

Dew Drop Pond Workshop

Marissa Williams
Natural Resources Officer
City of Casselberry
April 15th, 2015



Physical Characteristics

- 5.65 Acres
- Shallow water body
- 100 Year Flood Elevation 69.00 feet

Dew Drop Pond Floodplain



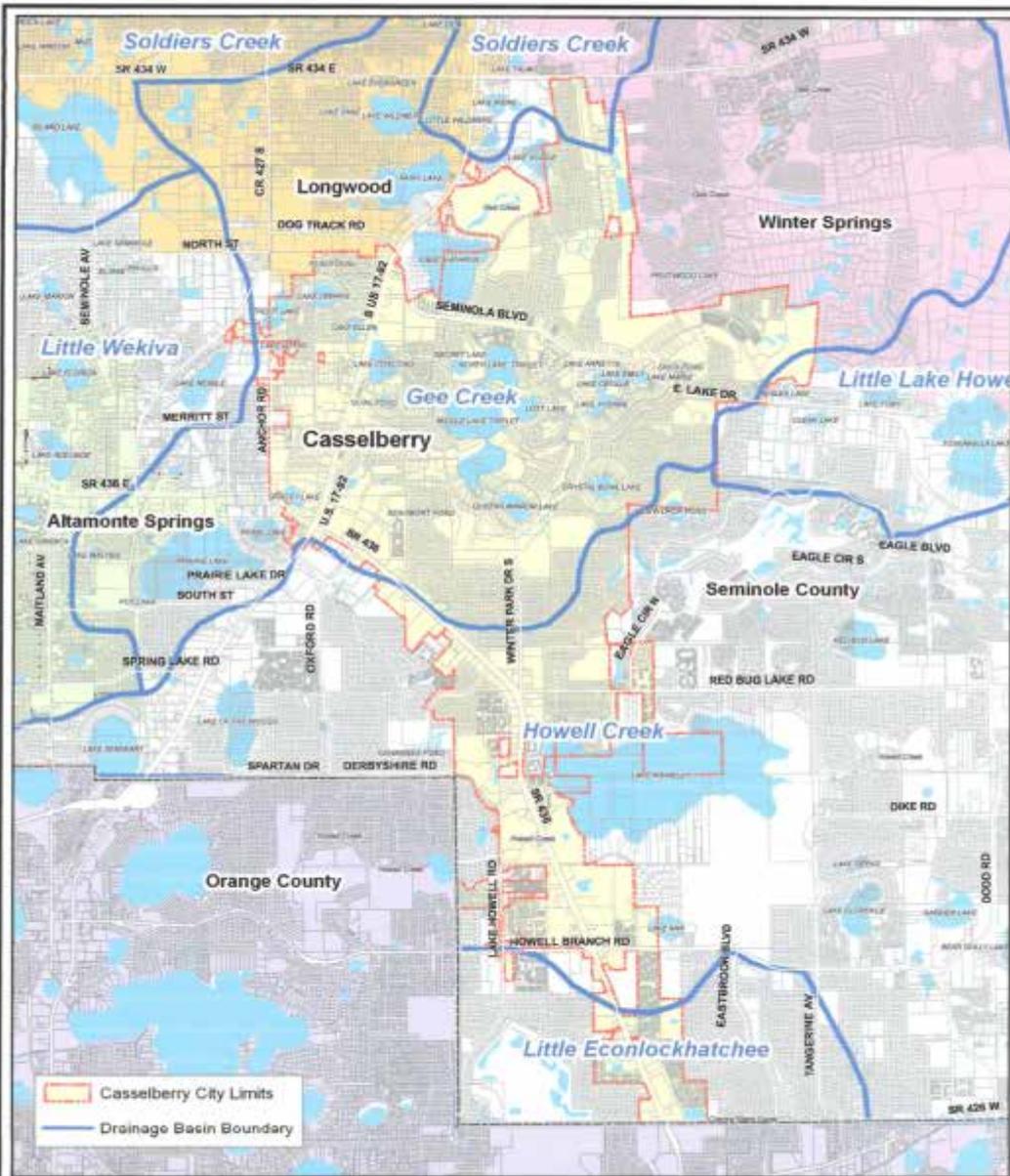
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- Part of the Howell Creek Drainage Basin (Lake Jesup Watershed)

Stormwater Pollution Prevention



- What is the worst pollutant threatening our waterways? **Excess Nutrients!**
- Why is this a problem?
- I don't live on the lake, so I don't contribute to nutrient pollution, right?
- Everything is connected.



 	Scale: 1" = 2000'		DRAINAGE BASIN MAP		Exhibit 2 - 4
	Date: August 2007		CITY OF CASSELBERRY STORMWATER MASTER PLAN		
Photo Date: N/A	N		SEMINOLE COUNTY, FLORIDA		
Project No. C.1953					
PM: BG					

Physical Characteristics

- 5.65 Acres
- Shallow water body
- 100 Year Flood Elevation 69.00 feet
- Part of the Howell Creek Drainage Basin (Lake Jesup Watershed)
- Split jurisdiction between the City of Casselberry and Seminole County
- Stocked with triploid grass carp

GREEN UP



CASSELBERRY
GROWING COMMUNITY



Floridafishfarms.com

Aquatic plant population

- Submerged, emergent, and floating species
- Exotic vs. Native



Baby Tears

(*Micranthemum umbrosum*)



Southern Naiad (*Najas guadalupensis*)



Pondweed (*Potamogeton diversifolius*)



Potamogeton diversifolius

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Spatterdock (*Nuphar advena*)



Duckweed (*Lemna spp.*)



Small duckweed
Lemna valdiviana
Photo by Vic Ramey
© 2000 University of Florida

Road grass (*Eleocharis baldwinii*)



road-grass
Eleocharis baldwinii
Photo by Ann Murray
© 1999 University of Florida

Alligatorweed (*Alternanthera philoxeroides*)



Brazilian pepper (*Schinus terebinthifolius*)



Torpedo grass (*Panicum repens*)



Torpedograss
Panicum repens
Photo by Ann Murray
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Hydrilla

(Hydrilla verticillata)



What does the City do for Dew Drop Pond?



- Maintenance of the Dew Drop Park shoreline
- Maintenance of stormwater outfalls and infrastructure.
- Shoreline restoration events.
- Public education and outreach events, like tonight!

How can residents help to protect Dew Drop Pond?

- Re-vegetation shorelines with native plants when needed
- Reduce fertilizer use; provide a fertilizer free buffer near the Pond's edge
- Inspect boat and fishing equipment for invasive species
- Report suspected illicit discharges to City staff or the Seminole Watershed Atlas (via casselberry.org/lakes)
- Volunteer for Lakewatch
- Participate in Florida Yards and Neighborhoods workshops to learn about Florida Friendly Landscaping

Shoreline Restoration Event!



- We need volunteers!
- Saturday April 18th
- 9am-12pm
- Installation of 200 native emergent plants at Dew Drop Park
- Prepare to get muddy! Please wear close toed shoes, old clothes, and sun protection.

6th annual Earth Fest

- Saturday May 2nd
- Educational presentations, vendors, art exhibits, and workshops from 12-4pm
- Tree and plant giveaways and a chance to win a rain barrel!
- Voices of the Wekiva Concert from 5-9pm

For additional information

- Casselberry.org/lakes
- Casselberry.org/greenup
- Myfwc.com/license/aquatic-plants
- Plants.ifas.ufl.edu
- Seminole.wateratlas.usf.edu

Questions or Comments?