AGENDA

Pollution Control Board

September 9, 2025, 9:30 A.M.
CFTOD Environmental Sciences Conference Room
2191 South Service Lane
Lake Buena Vista, Florida 32830

- **CALL TO ORDER**
- **WELCOME NEW MEMBER**
- **APPROVAL OF MEETING MINUTES**
- **SUNSHINE LAW OVERVIEW**
- **RCES UPDATES**
- **ENVIRONMENTAL SCIENCES UPDATES**
- **DISCUSSION**
- **SET MEETING SCHEDULE**
- **ADJOURN**

Orlando Sentinel
MEDIA GROUP

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Central Florida Tourism Oversight District - CU00123330
PO Box 690519
Orlando, FL 32869

State Of Florida
County Of Orange

Before the undersigned authority personally appeared
Rose Williams, who on oath says that he or she is a duly authorized representative of the ORLANDO SENTINEL, a DAILY newspaper published in ORANGE County, Florida; that the attached copy of advertisement, being a Legal Notice in:

The matter of 11150-Public Hearing Notice
Was published in said newspaper by print in the issues of, or by publication on the newspaper's website, if authorized on Aug 29, 2025.

Affiant further says that the newspaper complies with all legal requirements for publication in Chapter 50, Florida Statutes.

Signature of Affiant

Rose Williams
Name of Affiant

Sworn to and subscribed before me on this 30 day of August, 2025,
by above Affiant, who is personally known to me (X) or who has produced identification ( ).

Signature of Notary Public

Name of Notary, Typed, Printed, or Stamped

7862692

Orlando Sentinel
MEDIA GROUP

MEETING NOTICE

YOU WILL PLEASE TAKE NOTICE that on Tuesday, September 9, 2025 at 9:30 a.m., the Pollution Control Board of the Central Florida Tourism Oversight District will meet in regular session at the Environmental Sciences Laboratory, 2191 South Service Lane, Lake Buena Vista, Florida 32830. At that time, the Board will discuss such business as may properly come before them.

By: Doreen Johnson
8/29/2025 7862692

7862692

Central Florida Tourism Oversight District

1900 Hotel Plaza Boulevard
Lake Buena Vista, Florida 32830
www.oversightdistrict.org

Pollution Control Board

Grace Pierce, Chairman
Andrea Jernigan-Gwinn, Member
Jay Exum, Member
Alan Oyler, Member
Vacant, Member
Wendy Duncan, Pollution Control Officer
Kimberly Lawrence, Pollution Control Officer

REGULAR MEETING

The Pollution Control Board (PCB) of the Central Florida Tourism Oversight District (CFTOD) held their regularly scheduled Board meeting on Thursday, 20 February 2025, at the CFTOD Environmental Sciences Facility, 2191 S Service Lane, Lake Buena Vista, Florida 32830. The following attendees were present:

Board & Speakers
-Board Chair Grace Pierce
-Board Members Jay Exum and Alan Oyler
-Environmental Sciences Director & Pollution Control Officer Wendy Duncan
-Environmental Sciences Manager & Pollution Control Officer Kimberly Lawrence
-Reedy Creek Energy Services (RCES) Engineer Steven Russo
-Planning & Engineering Manager Katherine Luetzow
-Environmental Sciences Pollution Control Coordinator Sean Dallas

Other Staff Present
Stephanie Kopelousos, District Administrator; Mike Crikis, Deputy District Administrator; Jason Herrick, Director of Public Works; Weldon Lavigne, Manager of Laboratory Operations; April Keneston, Aquatic Biology Coordinator; Melissa Pulver, Regulatory Compliance Supervisor; Matthew Thompson, Environmental Specialist III- Pollution Control; Jose Garcia, Senior Regulatory Compliance Professional.

CALL TO ORDER

Chair Pierce called the meeting to order at 09:39 am, recognized the public notice was properly published in the Orlando Sentinel newspaper (31 January 2024 issue), and noted a quorum was present. Chair Pierce introduced new Board member Alan Oyler.

APPROVAL OF MEETING MINUTES

Chair Pierce called for a review and discussion of the meeting minutes from February 15, 2024. With no changes presented, Board Member Oyler made a motion to approve the minutes and Member Exum seconded the motion. By unanimous vote, the minutes were approved as written.

RCES UPDATES

Engineer Steven Russo reviewed the operational activities of RCES (summary "Reedy Creek Energy Services Report to CFTOD Pollution Control Board, 20 February 2025"). During the update, Pollution Control Officer Kimberly Lawrence requested an updated pdf report from RCES. Chair Pierce inquired about RIB well allocation and reclaim water use by season. Public Works Director Jason Herrick offered some insights into the permit renewal process, as well as, the status of the Consumptive Use Permit. Board Member Oyler asked for additional details from RCES about the wastewater treatment facility and potable water operations. Board Member Exum then questioned how the Central Florida Water Initiative (CFWI) impacts the environment and if there is anything the District can do improve the impact on the environment and minimize groundwater use. Board Member Exum followed up inquiring if growth in the area will impact the CFWI. Chair Pierce made a motion requesting an in depth presentation and discussion on water supply and update on potential impacts of the mission refocus of Water Management Districts. Board Member Oyler seconded the motion and it passed unanimously.

CFTOD MASTER DRAINAGE SYSTEM PRESENTATION

Planning & Engineering (P&E) Manager Katherine Luetzow provided an update about the CFTOD Master Drainage System. Board Member Oyler requested additional discussion about how the Amil gate system operates and if the District has the capacity to take off-site flow. Board Member Exum inquired about the notification of outside permits impacting the District.

ENVIRONMENTAL SCIENCES UPDATE

Coordinator Sean Dallas presented information from the 3rd and 4th quarter of 2024. Pollution Control Officer Wendy Duncan gave an update regarding staffing changes at Environmental Sciences.

NEXT MEETING

Officer Duncan discussed the upcoming meeting schedule. It was discussed that the next meeting date may have to be moved due to scheduling conflicts with some Board members.

ADJOURNMENT

With no further business, Chair Pierce called for a motion to adjourn. Member Exum made the motion to adjourn and Member Oyler seconded. By unanimous vote the meeting ended at 12:03 p.m.

SD

Reedy Creek Energy Services Report to CFTOD Pollution Control Board
February 20, 2025

WASTEWATER SYSTEM

- **Water Resource Recovery Facility (WRRF) Performance**

  - Average Daily Flow for the time period between January 1, 2025 and June 30, 2025 was **13.527** MGD. The permitted capacity of the plant is 20 MGD.
  - Average effluent Total Nitrogen was **1.83 mg/L** and average effluent Total Phosphorous was **0.17 mg/L** for this period, both well below permitted limits of 6.0 mg/L and 1 mg/L, respectively (See Attachment 1).
  - In compliance with all other permit limits.
  - All monthly, quarterly, and annual monitoring reports have been submitted as required.
  - In October 2022, the wastewater contribution from Orange County was diverted to their new Hamlin Water Reclamation Facility. Due to mechanical problems at the Hamlin facility, 0.20 MG was received from Orange County from February 4, 2025. Due to similar problems, 0.24 MG was received on April 23, 2025.
  - FDEP Central District conducted an inspection of CFTOD WRRF, Ribs and several LS on June 6, 2025. The official notification correspondence was received on 7/16/2025 indicating that the facility is in compliance with all the applicable requirements.

- **Wastewater Collection System**

  - Three (3) reportable overflows of wastewater and reclaimed water during the prior six months (January 1, 2025 through June 30, 2025).

    - <u>January 9, 2025</u>. Approximately 200 gallons of treated domestic wastewater (reclaimed) overflowed from a damaged 2 in. air relief valve (ARV) on a 20-in. reclaimed waterline. The reclaimed water seeped out through the penetration of the main line into the western side of the Buena Vista Drive overpass and flowed down the side of the overpass pooling along the western side of the road on Floridian Way under the overpass. The released water percolated into the thin strip of soil along the side of road. None of the released water was recovered. No water bodies or storm drains were affected to all affected surfaces. No personnel nor the environment was adversely impacted. Due to the nature and volume of the release, the incident was not reported to the State Watch Office, however, the incident was verbally reported to the FDEP Central District Office on January 10, 2025.

    - <u>April 17, 2025</u>. Approximately 100 gallons of untreated sewage leaked out of a failed valve on 2-inch forced sanitary sewer line downstream of a lift station. The line was being jet-rodded as part of routine maintenance. The discharged sewer bubbled up from the ground around onto the surrounding grassy area around work trailer located at 2030 South Service Lane, Lake Buena Vista, Florida 32830. A contractor hydro excavated and removed the contaminated soil to expose the damaged valve. The damaged valve was replaced with a straight run of pipe. About 1000 gallons of wastewater/rinse water and approximately 1 cubic yard of impacted soil were recovered. No waterbodies or storm drains were affected. No persons were impacted. Due to the volume of the release, the incident was not reported to The State Watch Office, however, the incident was verbally reported to the FDEP Central District Office on April 17, 2025

- May 20, 2025. Approximately 600 gallons of untreated sewage overflowed from damaged 2" ARV on a forced sanitary sewer line. The ARV was accidentally struck by a bulldozer working in the construction zone. The discharged sewer pooled in the soil around the ARV. area around work trailer located at 3421 Floridian Way, Lake Buena Vista, Florida 328302030 South Service Lane, Lake Buena Vista, Florida 32830. Cleanup vendor jet-rodded and vacuumed the blocked 6-inch sanitary sewer line upstream of the clean out. About 800 gallons of wastewater and rinse water were recovered from the collection system. As no impervious surfaces were impacted, no disinfection activities were involved. After the recovery process, clean dirt was brought in to replace small amount of topsoil removed during the vacuuming process. No waterbodies or storm drains were affected. No persons were impacted. Due to the volume of the release, the incident was not reported to The State Watch Office however, the incident was verbally reported to the FDEP Central District Office on 05/20/2025.

Industrial Pretreatment

- Permitted users include the four (4) laundry facilities and the co-gen facility in the North Service Area.
- On July 8, 2025, we received the result of the 2024 Pretreatment Annual review for CFTOD WRF indicating that the facility/program is in-compliance with the requirements of the rule.

- **Reclaimed Water System**

  - Demand within the public access reuse system averaged 7.488 MGD for the time period between January 1, 2025 and June 31, 2025. This accounts for 55.4% of the total effluent with the balance going to the RIBs for groundwater recharge.

WATER SYSTEM

- **System Performance**
  - Consumption for the time period between January 1, 2025 and June 30, 2025 averaged 17.40 MGD. WUP allocation is 22.2 MGD. This average flow represents 78.4 % of the WUP allocation (See Attachment 2)
  - RCES is in the process of performing condition assessments on the eight (8) potable wells in the system. Wells 6 and 9 were included in the first phase. Phase 2 will include wells 10 and 16 and will commence once phase 1 is complete. Both wells 6 and 9 have been refurbished and are back in service.
  - FDEP Central District conducted an inspection of CFTOD Pump Stations and Wells on June 2, 2025. The official notification correspondence was received on 7/16/2025 indicating that the program is in compliance with all the applicable requirements.
  - All required reports to FDEP and SFWMD have been submitted on time.
  - **Water Use Permit**
    - No issues to report.
    - The current WUP expires in July 2027.

  - **STOPR Group, Alternative Water Supply, and CFWI rulemaking**

    - Carollo Engineers has completed phase II of an IPR feasibility study. This report will be used to determine future costs. More will be known about the

need for future implementation of the IPR project once the WUP renewal process progresses a bit more.

- RCES, with the STOPR group, has begun initial planning for the Water Use Permit Renewal. CFTOD's WUP expires in 2027. Other members of STOPR expressed interest in extending their WUPs through a Conservation Extension. This is a simplified permit modification that extends the WUP for up to 10 years from the expiration date, rather than a full 20-year permit renewal. In speaking with SFWMD, CFTOD is eligible to do a CE should they choose. Currently, RCES and CFTOD staff are discussing both options. Once a decision is made on the desired renewal process, work will begin to procure a consultant to begin the WUP renewal process.

SOLID WASTE

- The Food Waste Transfer Station (FWTS) is nearly complete. It is anticipated that capacity at the solid waste transfer station tipping floor will be increased once food waste processing operations are relocated.

- **Permitting**

  - FDEP Central District did not conduct an inspection of CFTOD solid waste transfer station during the reporting period.
  - The Yard Trash Processing Facility Registration/Annual Report was submitted on June 24, 2025.
  - The Waste Tire Collection Notification/Registration was renewed on April 28, 2025.
  - FDACS Weighing and Measuring Device Permit WM21321 for the CFTOD Solid Waste Transfer Station (SWTS) was renewed on 08/18/23 with an expiration date of 09/06/25.
  - A Notice of Intent for a Multi-Sector Generic Permit for Stormwater Discharge Associate with Industrial Activities for the CFTOD SWTS was submitted on 12/26/23. Generic Permit was issued on January 26, 2024.
  - All required reports submitted to agencies.

- **Waste Diversion**

Calendar Half-Year 1/1/2025 - 6/30/2025			
	Collected (Tons)	Recycled (Tons)	Recycle (%)
Class I	34,873.61	0	0
Food Waste	9,259.98	9,259.98	100
Landscape	8,029.54	8,029.54	100
Baled Cardboard	5,210.20	5,210.20	100
Mixed Recycle	3,126.62	1750.907	56
Manure	1,932.48	1,932.48	100

Class 3	1,597.58	0	0
Wood	508.99	508.99	100
Loose Cardboard	141.18	141.18	100
Tires	46.08	46.08	100
C&D	7,152.38	3,974.58	55.6
Total	71,878.64	32,084.38	44.6

AIR EMISSIONS

- On May 12, 2025 FDEP issued air construction permit 0951425-001-AC which separates the emissions units and operations owned and controlled by CFTOD from the units and operations owned and controlled by Walt Disney Parks and Resorts U.S., Inc. (WDW). The separation of the previously combined permit provides more flexibility in the reporting and compliance obligations for the two separate operating entities. The main sources of air emissions in the CFTOD permit consist of emergency generators and emergency pumps and hot water heaters/boilers. In addition, the permit includes three non-emergency booster pumps located at Flamingo Crossings
- On June 6, 2025, Air Operation Permit 0951425-002-AV was issued to incorporate all the requirements of the air construction permit discussed above.
- Due to the deteriorating condition of Boiler #3, a decision was made to rent a temporary boiler (Boiler #5) to substitute Boiler #3 as the main source of hot water to the WDW Magic Kingdom Complex. A construction permit was obtained for Boiler #5 to allow operation for a couple of years while a permanent repair or replacement for Boiler #3 is secured. Because Boiler #5 is natural gas fired and has a low heat input design it is only subject to initial visible emission testing. Boiler #3 remained in the permit to be used as a backup to Boiler #5.
- As Boiler #3 reaches the end of its serviceable life, a second rental boiler (Boiler #6) is being added to the air permit as an in-kind replacement of Boiler #3. Boiler #3 will be decommissioned upon the installation of Boiler #6. Boiler #6 will serve as the new backup to Boiler #5.
- FDEP Central District has not conducted an inspection of Air Emission Sources during the reporting period.

STORAGE TANKS

- Annual registration for all CFTOD above ground storage tanks was renewed on June 20, 2025.
- Annual renewal of Financial Responsibility Documentation was executed on June 25, 2025.
- Orange County Environmental Protection Department conducted an inspection of six CFTOD Registered storage tanks on March 31, 2025. Results of the inspection indicated that the inspected facilities are in compliance with all applicable regulations
- On June 26,2025, the fuel lines and transition sumps at ECEP were closed after successful integrity testing. The lines were abandoned in place after cleaning and

and foam-filling.

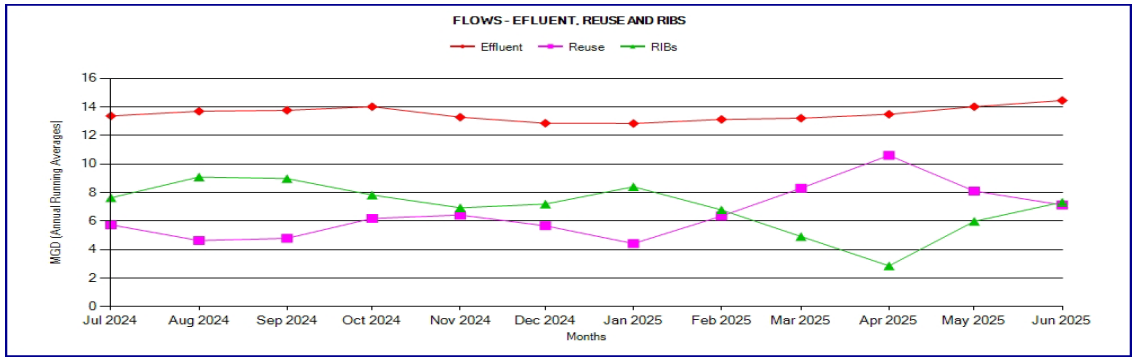
- During a maintenance inspection of the Convault fuel tank at Pump Station B on On May 9. 2025, the inner tank was breached during integrity testing. No fuel was released to the environment but the presence of fuel in the interstice space of the secondary containment rendered the tank unusable. A rental fuel tank was installed. The tank emptied on June 1, 2025 and placed out of service. The tank was removed from site on July 23, 2025 and closed out in the registered storage tank database. A replacement tank has been registered and is awaiting installation.

- Chemical Releases

  - There were no regulated chemicals releases during the reporting period (January 1, 2025 through June 30, 2025).

Attachment 1 - Semiannual Wastewater Operating Report

Month	Effluent (MGD)	HP TWAS (Dry Tons)	Reuse (MGD)	RIBs (MGD)	Inf. CBODf (mg/l)	Eff. CBOD5 (mg/l)	% Rem.	Inf. TSS (mg/l)	Eff. TSS (mg/l)	% Rem.	Inf. T.N. (mg/l)	Eff. T.N. (mg/l)	% Rem.	Inf. T.P. (mg/l)	Eff. T.P. (mg/l)	% Rem.	Inf. pH	Eff. pH
Jan-25	12.845	0	4.425	8.408	254	0.8	99.70%	230	1	99.60%	50.04	1.8	96.40%	5.81	0.16	97.20%	6.44	7.54
Feb-25	13.131	0	6.351	6.783	224	0.9	99.60%	236	1	99.60%	47.73	1.75	96.30%	5.51	0.19	96.60%	6.99	7.64
Mar-25	13.217	0	8.308	4.919	238	0.9	99.60%	205	1	99.50%	49.28	2.05	95.80%	5.7	0.18	96.90%	7.15	7.79
Apr-25	13.492	0	10.608	2.863	223	1.1	99.50%	243	1	99.60%	46.03	1.75	96.20%	5.06	0.14	97.20%	7.08	7.75
May-25	14.02	0	8.107	5.985	228	1.1	99.50%	216	1	99.50%	42.6	1.79	95.80%	4.5	0.15	96.80%	7.18	7.68
Jun-25	14.457	0	7.127	7.331	215	1.1	99.50%	196	1	99.50%	40.68	1.81	95.50%	4.7	0.18	96.10%	7.29	7.77
Report Avg.	**13.527**	**0**	**7.488**	**6.048**	**230**	**1.0**	**99.57%**	**221**	**1**	**99.55%**	**46.06**	**1.83**	**96.00%**	**5.2**	**0.17**	**96.80%**	**7.02**	**7.70**
Permit Lim.	**20**	**(Ann. Total)**	**10**	**12.5**		**5**			**5**			**6**			**1**		**6.00 to**	**8.5**



Water Usage Report Data
2025

Potable Wells	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Total MG	MGD AADF
2, 2A, 17 (Pumping Station "B")	137.720	93.740	105.270	150.750	169.830	178.710							836.020	
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
6 and 16 (Pumping Station "C")	112.826	79.911	90.531	105.093	120.815	116.191							625.367	
9, 10 (Pumping Station "A")	144.960	160.533	191.421	156.374	133.185	145.628							932.101	
18, 19 (Pumping Station "D")	131.511	115.703	129.804	124.050	128.973	119.886							749.927	
Subtotal Potable Water	527.017	449.887	517.026	536.267	552.803	560.415	0.000	0.000	0.000	0.000	0.000	0.000	3143.415	17.37
Irrigation Wells														
LBV Golf Course Well #1 (9th hole)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
LBV Golf Course Well #3 (12th hole)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Well #20 - Tree Farm Irrigation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Well #13 - Reclaim Backup System	0.000	0.000	0.048	1.713	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	1.763	
Well #14 - Reclaim Backup System	0.000	0.000	0.020	1.815	1.729	0.000	0.000	0.000	0.000	0.000	0.000	0.014	3.578	
Subtotal Ground Water	527.017	449.887	517.094	539.795	554.532	560.415	0.000	0.000	0.000	0.000	0.000	0.016	3148.756	17.40
Surface Water														
Palm/Magnolia Surface Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
LBV Surface Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Subtotal Surface Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Total	527.017	449.887	517.094	539.795	554.532	560.415	0.000	0.000	0.000	0.000	0.000	0.016	3,148.756	**17.40**
														.
Average Day Consumptive Use (MGD)	17.001	15.513	16.680	4.498	17.888	18.681	0.000	0.000	0.000	0.000	0.000	0.001	**3,148.756**	Annualized
														Value
	CUP Limit		**22.2**	MGD	**% utilization is:**		**78.4%**							

CENTRAL FLORIDA TOURISM OVERSIGHT DISTRICT
1900 Hotel Plaza Blvd., Lake Buena Vista, FL 32830

M E M O R A N D U M

To: Stephanie Kopelousos

From: Wendy R. Duncan

Date: February 26, 2025

Subject: Monthly Report for January 2025

The following is a summary of the activities completed by Environmental Sciences in the month of January 2025:

Regulatory Activities – sampling and testing

- 439 sites were visited
- 1,553 samples were collected or delivered
- 3,866 tests were assigned
- Non-Potable Water Proficiency Testing results for the General Chemistry and Metals analyses were submitted for evaluation. The evaluation results were received with a 98% successful completion
- Non-Potable Water Proficiency Testing samples for Microbiology and Color were received and analyzed

Mosquitoes Monitoring

- 76 traps were set for the month
- 3,723 mosquitoes were collected and identified
- 108 blood sera samples from the new 2025 sentinel flock were submitted for testing

- Dry conditions coupled with several very cold days has helped to keep mosquito populations at a minimum

Anniversaries

- Kiana Maldonado – Macroinvertebrate Biologist II – New Hire

CC: Pollution Control Board

CENTRAL FLORIDA TOURISM OVERSIGHT DISTRICT
1900 Hotel Plaza Blvd., Lake Buena Vista, FL 32830

MEMORANDUM

To: Stephanie Kopelousos

From: Wendy R. Duncan

Date: March 18, 2025

Subject: Monthly Report for February 2025

The following is a summary of the activities completed by Environmental Sciences in the month of February 2025:

Regulatory Activities – sampling and testing

- 571 sites were visited
- 1,871 samples were collected or delivered
- 4,082 tests were assigned
- Results for the Non-Potable Water Proficiency Testing samples for Microbiology were submitted for evaluation; Evaluation results were received with 100% successful completion
- Results for the Non-Potable Water Proficiency Testing samples for Color were submitted for evaluation

Mosquito Monitoring

- 77 traps were set for the month
- 7,446 mosquitoes were collected and identified
- 216 blood sera samples were submitted for testing
- Cool, dry conditions helped keep mosquito populations at a minimum

Meetings and Educational Sessions Participation

- Attended Florida Lake Management Society (FLMS) Winter 2025 Workshop in Winter Park, FL
- Participated as Science Fair Judges for the Dr. Nelson Ying Science Expo, Trinity Prep School with Middle and High School Student presentations in Winter Park, FL
- Hosted CFTOD Pollution Control Board Meeting at the Environmental Sciences Conference Room in Lake Buena Vista, FL

Anniversaries

- Jordan Gowgiel – Field Biologist II – New Hire

CC: Pollution Control Board

CENTRAL FLORIDA TOURISM OVERSIGHT DISTRICT
1900 Hotel Plaza Blvd., Lake Buena Vista, FL 32830

MEMORANDUM

To: Stephanie Kopelousos

From: Wendy R. Duncan

Date: April 14, 2025

Subject: Monthly Report for March 2025

The following is a summary of the activities completed by Environmental Sciences in the month of March 2025:

Regulatory Activities – sampling and testing

- 477 sites were visited
- 1,361 samples were collected or delivered
- 3,363 tests were assigned
- Results for the Non-Potable Water Proficiency Testing samples for Color were received with 100% successful completion
- Samples for Potable Water Microbiology Proficiency Testing study were ordered, received, analyzed, and submitted for evaluation

Mosquitoes Monitoring

- 114 traps were set for the month
- 7,103 mosquitoes were collected and identified
- 269 blood sera samples were submitted for testing
- Very dry conditions continue to keep mosquito populations to a minimum

Meetings and Educational Sessions Participation

- Presented about CFTOD Environmental Sciences Macroinvertebrate Biology to Kindergarten, 1st, and 2nd grade students at Robert Louis Stevenson Elementary Career Day in Merritt Island, FL
- Attended a Local Mitigation Strategy Working Group Meeting in Osceola County, FL
- Attended the AMCA (American Mosquito Control Association) Best Practices for Mosquito Management During a Public Health Emergency Virtual Training Program
- Attended a virtual Stormwater Operator Level 1 Certification course
- Attended a virtual Florida DEP Stormwater Inspector Training Class

CC: Pollution Control Board

CENTRAL FLORIDA TOURISM OVERSIGHT DISTRICT
1900 Hotel Plaza Blvd., Lake Buena Vista, FL 32830

M E M O R A N D U M

To: Stephanie Kopelousos

From: Wendy R. Duncan

Date: May 19, 2025

Subject: Monthly Report for April 2025

The following is a summary of the activities completed by Environmental Sciences in the month of April 2025:

Regulatory Activities – sampling and testing

- 412 sites were visited
- 1,285 samples were collected or delivered
- 3,187 tests were assigned
- Results for Potable Water Microbiology Proficiency Testing study were received with 100% completion
- Samples for the Solid and Chemical Materials Proficiency Testing in the categories of Metals and Inorganic Chemistry were ordered and received

Mosquitoes Monitoring

- 109 traps were set for the month
- 5,675 mosquitoes were collected and identified
- 216 blood sera samples were submitted for testing
- Persistently dry conditions remained and kept mosquito populations to a minimum

Meetings and Educational Sessions Participation

- Attended AMCA Best Practices for Mosquito Management During a Public Health Emergency virtual training certificate program (American Mosquito Control Association)
- Attended the Florida Vegetation Management Association (FVMA) Conference in Daytona Beach, FL
- Hosted the 2nd Annual Four Corner's Mosquito Control Roundtable at CFTOD Environmental Sciences
- Attended the FDEP SOPs for Water and Groundwater Sampling and Meter Testing training in Gainesville, FL
- Hosted Earth Day Open House for CFTOD staff and outside partners at CFTOD Environmental Sciences in Lake Buena Vista, FL
- Attended Bloodborne Pathogens (BBP) and Hazard Communication Awareness Training at CFTOD Environmental Sciences in Lake Buena Vista, FL
- Hosted the CFTOD Earth Week Litter Cleanup on CFTOD property
- Attended the Lake Okeechobee Basin Management Action Plan virtual meeting
- Attended FDEP Response to Harmful Algal Blooms Virtual Training
- Hosted a booth at the St. Cloud Earth Day event at the Veterans Memorial Library in St. Cloud, FL
- Attended Level I Antiterrorism Awareness Virtual Training
- Presented on Career Day at Wildwood Intermediate School on mosquitoes, life cycles, problems with them, how to control them, and career path choice in Wildwood, FL

Anniversaries

- Danielle Mohan, Biologist IV – 25 years
- Marcus Botos, Field Biologist II – 1 year
- Carrie DeJesus, Mosquito Biologist III – new hire

CC: Pollution Control Board

CENTRAL FLORIDA TOURISM OVERSIGHT DISTRICT
1900 Hotel Plaza Blvd., Lake Buena Vista, FL 32830

MEMORANDUM

To: Stephanie Kopelousos

From: Wendy R. Duncan

Date: July 21, 2025

Subject: Monthly Report for May 2025

The following is a summary of the activities completed by Environmental Sciences in the month of May 2025:

Regulatory Activities – sampling and testing

- 354 sites were visited
- 1,332 samples were collected or delivered
- 3,957 tests were assigned
- Samples for the Solid and Chemical Materials Proficiency Testing in the categories of Metals and Inorganic Chemistry were analyzed
- Samples for the Non-Potable Water Proficiency Testing in the category of General Chemistry and Metals analyses and the DMR QA-45 for the NPDES permit were ordered and received

Mosquitoes Monitoring

- 172 traps were set for the month
- 4,290 mosquitoes were collected and identified
- 216 blood sera samples were submitted for testing
- Mosquito populations remained low throughout the month

Meetings and Educational Sessions Participation

- Attended FAB Freshwater Taxonomic Workshop: Aquatic Coleoptera at the UF Department of Nematology and Entomology Steinmetz Hall in Gainesville, FL
- Attended the 45th Annual Meeting of the Florida Chapter American Fisheries Society on Workflow in Fisheries Projects: Best Practices for project development, management and evaluation in St Augustine Beach, FL
- Completed a Public Health Pest Control license exam in Kissimmee, FL
- Attended a Fundamental Training for Mosquito Control Technicians virtual CEU training
- Attended a Mosquito Biology & Control FL CEU webinar course
- Attended a virtual Certified Pool Operator Course
- Attended the Florida Stormwater Association webinar on the 2025 Florida legislative session

Anniversaries

- Paola Perez-Vega, Chemist II – new hire

CC: Pollution Control Board

CENTRAL FLORIDA TOURISM OVERSIGHT DISTRICT
1900 Hotel Plaza Blvd., Lake Buena Vista, FL 32830

MEMORANDUM

To: Stephanie Kopelousos

From: Wendy R. Duncan

Date: July 18, 2025

Subject: Monthly Report for June 2025

The following is a summary of the activities completed by Environmental Sciences in the month of June 2025:

Regulatory Activities – sampling and testing

- 431 sites were visited
- 1,255 samples were collected or delivered
- 2,856 tests were assigned
- Samples for the Solid and Chemical Materials Proficiency Testing in the categories of Metals and Inorganic Chemistry were submitted for evaluation and results were received with successful completion
- Samples for the Non-Potable Water Proficiency Testing in the category of General Chemistry and Metals analyses and the DMR QA-45 for the NPDES permit were analyzed and submitted for evaluation

Mosquitoes Monitoring

- 167 traps were set for the month
- 10,234 mosquitoes were collected and identified
- 216 blood sera samples were submitted for testing

- Even though the average rainfall for the month was only 5.75 inches, an uptick in total mosquito numbers were reflective of the increased early season rainfall

Meetings and Educational Sessions Participation

- Attended the virtual First Friday with Florida First Detector-Invasive Pests (Gastropods) Identification and the threat they pose to agriculture, natural ecosystems and public health training
- Hosted an educational program and tour for the City of Orlando Wetlands Park team at CFTOD Environmental Sciences, Lake Buena Vista, FL
- Attended the virtual training Introduction to Surveillance - An Essential Part of Integrated Mosquito Management
- Attended the virtual training Transforming Water management with Oximycin P5
- Attended the Florida Stormwater Association Summer Conference in Sanibel, FL

Anniversaries

- JuNa Purifoy, Chemist II – 1 year

CC: Pollution Control Board

Pollution Control Quarterly Report
First Quarter 2025 (January-March)

General Information

During the first quarter of 2025, 4,128 samples were collected or delivered from 1,061 sample sites. A total of 24,824 tests were performed, of which 12,771 or 51.4% of the total tests were from surface waters.

Water Quality

Surface water quality within CFTOD is measured according to criteria in Chapter 62-302 of the Florida Administrative Code (FAC) and Numeric Nutrient Criteria specifically for Class III recreational waters. The Reedy Creek watershed includes a large wetland system, which typically has low alkalinity, dissolved oxygen and pH. These parameters may fall outside Chapter 62 FAC water quality criteria, but are not indicative of impairment or pollution.

Routine Monitoring

Environmental Sciences monitored a number of sample locations for permit compliance as well as routine monitoring of surface water, stormwater outfalls and inflows to property.

- Swimming beaches and areas open to the public met FAC guidelines for bathing places for all locations tested.
- Out of the 12,771 surface water tests performed, 98.5% of tests analyzed met the FAC 62-302 and Numeric Nutrient Criteria guidelines with the following few exceptions (see maps for additional information):
    - **Nitrogen** results were elevated at one location:
        - 1 location in the L-401A canal.
    - Elevated **phosphorus** results were present at the following 3 locations:
        - 3 Celebration Village outfalls.
    - ***E.coli*** exceedances based on a single sample occurred at three sites (five exceedances) during the first quarter.
        - 2 locations in the lower portion of Reedy Creek (likely wildlife influenced); and
        - 1 location (3 exceedances) within a drainage ditch running under SR 535 and Hotel Plaza Blvd. The District continues to monitor the area with expanded sampling. Recent sampling results have indicated a lower level of pollution with sporadic exceedances at various locations.
    - One exceedance for **Chlorophyll-a** was recorded within one waterbody as follows:
        - 1 location in the C-1 canal.
    - **pH** readings at numerous locations across property fell outside the specified criteria. The number of samples that did not meet surface water criteria decreased in comparison to the previous quarter's sampling events, as well as the numbers from Q1 of 2024. The exceedances were all located in areas where low pH has been observed in the past and do not appear to be the result of environmental degradation. Staff will continue to monitor the system for trends or anomalies.
    - **Total alkalinity** results were outside of regulatory limits for twenty-eight percent of all sites collected and tested across property. The exceedance rate increased slightly from previous first quarters, but was not abnormally high. Exceedances occurred in areas where lower alkalinity has been observed in the past, and some of the areas appear to have naturally low levels of alkalinity. Environmental Sciences recently added additional analyses to already established sampling sites to better track levels throughout property which could explain the increase in exceedances compared to last year.

Pollution Control Quarterly Report
First Quarter 2025 (January-March)

Routine Monitoring Continued

- The number of criteria exceptions for **dissolved oxygen** measurements decreased from the previous quarter. District staff continues to track and monitor any changes that occur on property, but these findings appear to be consistent with past quarter 1 results.
- **Copper** results were elevated at the following four sample sites listed below. Three quarters of these sites regularly exceeding state standards are located outside District boundaries in the Celebration and Golden Oak communities.
    - 2 locations in the Celebration area;
    - 1 locations in the Golden Oak area; and
    - 1 location in the L-105 canal.
- **Iron and Antimony** results were elevated at the 3 sites listed below. The sites are all located in the L -405 canal, where exceedances have occurred in the past. Environmental Sciences staff continues to monitor the area and communicate with our partners to discuss if any future action is required.
    - 3 locations in L-405 canal.
- **Zinc** was slightly elevated at one site listed below. The site is located at a control structure receiving offsite discharge above the S-410 structure. Environmental Sciences staff is monitoring the location to see if any trends develop. It should be noted that it rained the day before and day of sampling so flushing may have occurred. This site is also located downstream of a golf course and a possible source of Zinc are fertilizers or pesticides. Sampling in quarter 2 should provide a clearer picture if this exceedance was a one-off event.
    - 1 location in the L-410 canal.
- **Turbidity** results were elevated at 2 sites listed below. The sites are all located in a ditch off of SR-535, where offsite construction is ongoing. Environmental Sciences staff continues to monitor the area and communicate with our partners to discuss if any future action is required.
    - 2 locations in a drainage ditch off of SR-535.

LFS-7, 2/23/25
pH, D.O. % Saturation, Iron, and Antimony exceedances

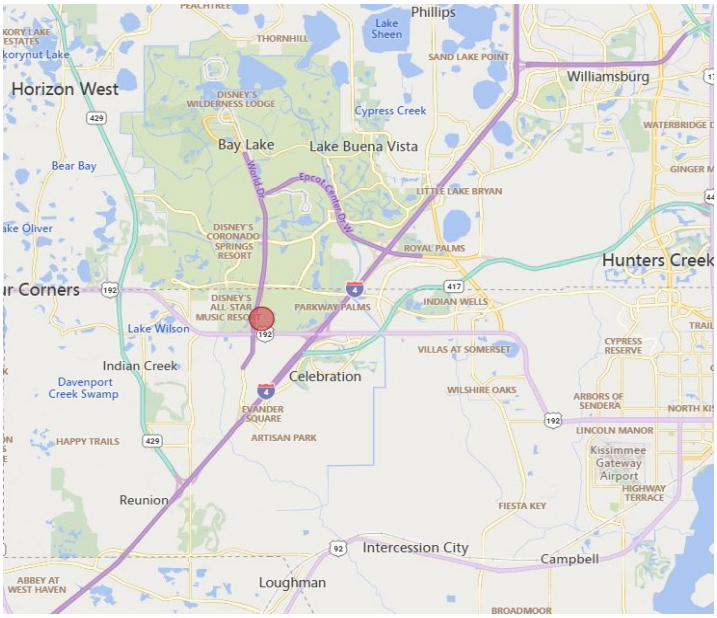
STW-4M, 1/14/25
January ~ Exceptional Stream Condition Index Score
February~ Normal MHD Result

Pollution Control Quarterly Report
First Quarter 2025 (January-March)

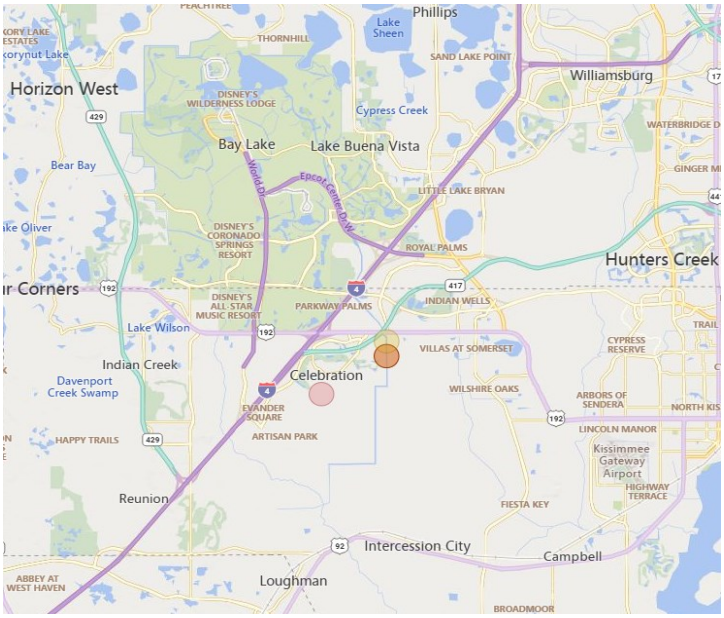
Water Quality Outside of Guideline Limits

Color Gradient Scale

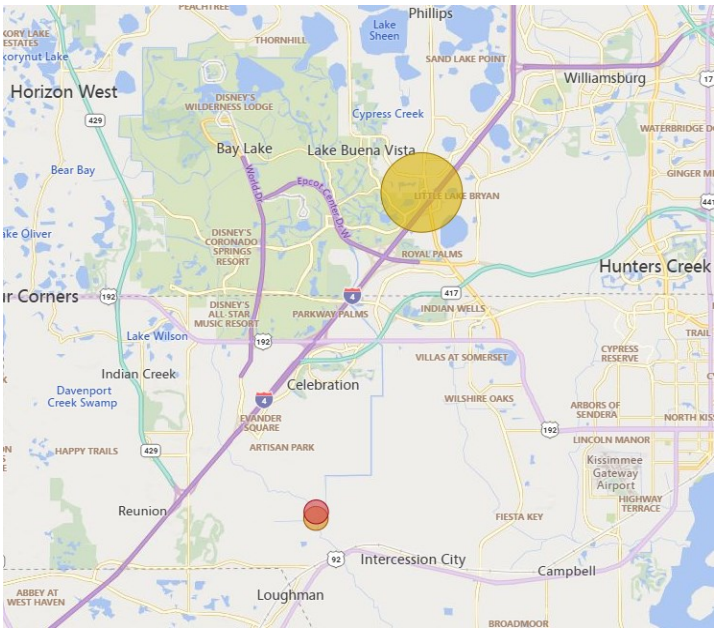
Lower Exceedance — Greater Exceedance



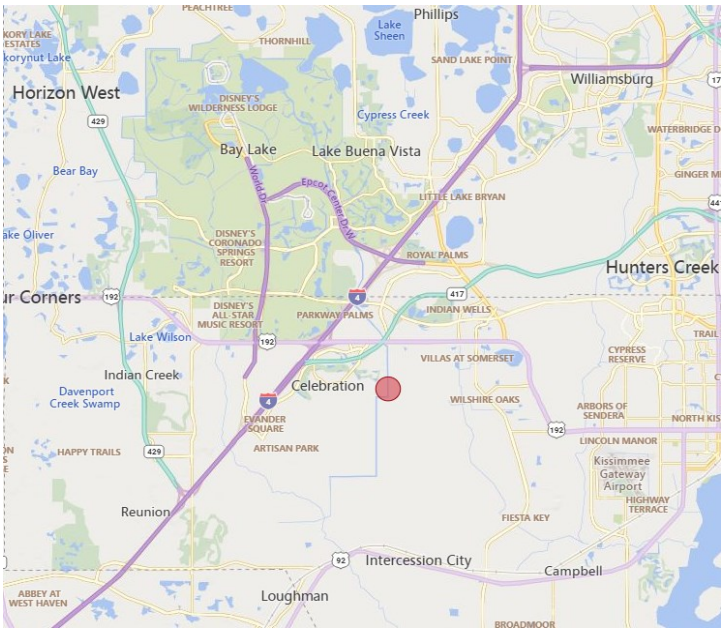
Total Nitrogen (n=1 out of 124, 0.8%)
1 Sample Site



Total Phosphorus (n=3 out of 148, 2.0%)
3 Sample Sites



E.coli (n=5 out of 122, 4.1%)
3 Sample Sites
Larger dot size = multiple exceedances at the same sample site



Chlorophyll-a (n=1 out of 126, 0.8%)
1 Waterbody Location

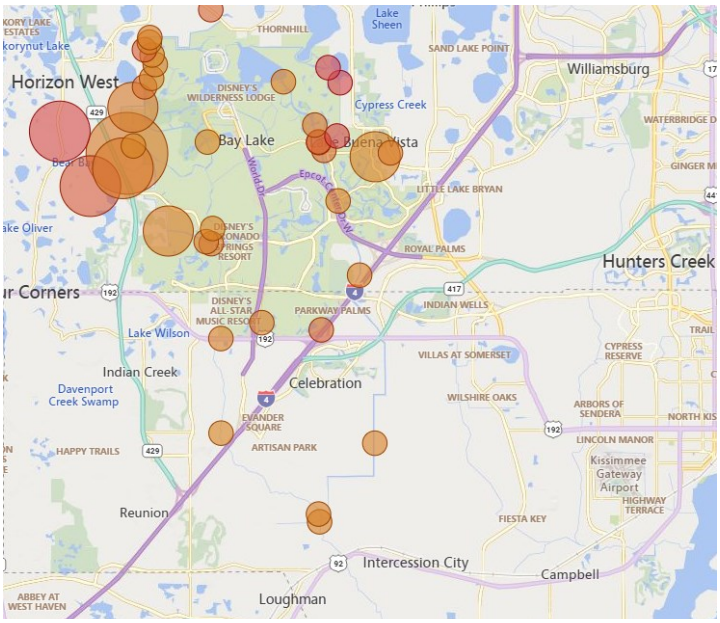
CFTOD monitors hundreds of water quality sample sites on a daily, weekly, monthly & quarterly basis. These maps only display those sites that are not within the 62-302 FAC or Numeric Nutrient criteria for a single event during the indicated time period. Not all sites displayed are ambient or subject to the water quality criterion noted.

Pollution Control Quarterly Report
First Quarter 2025 (January-March)

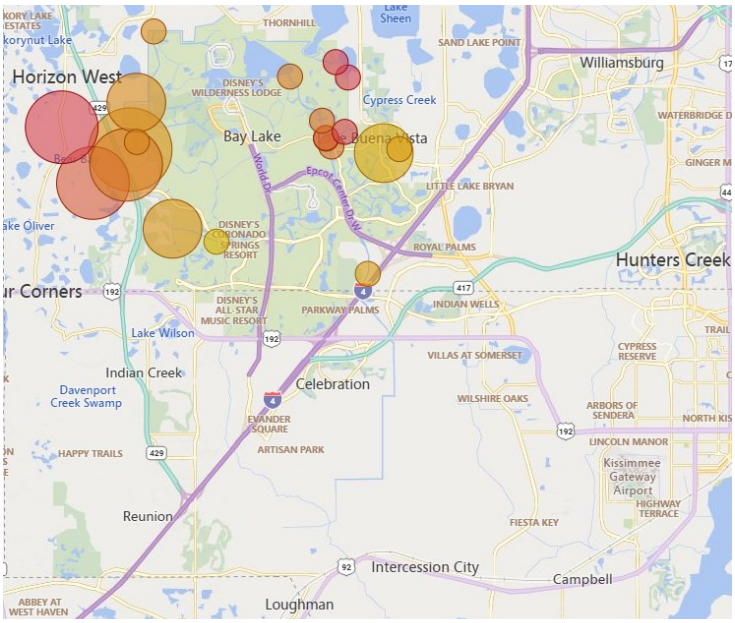
Water Quality Outside of Guideline Limits

Color Gradient Scale

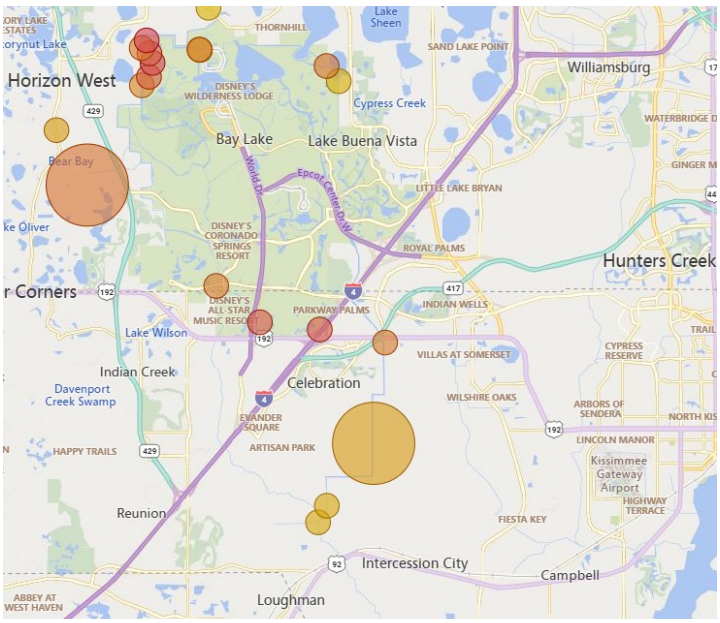
Lower Exceedance — Greater Exceedance



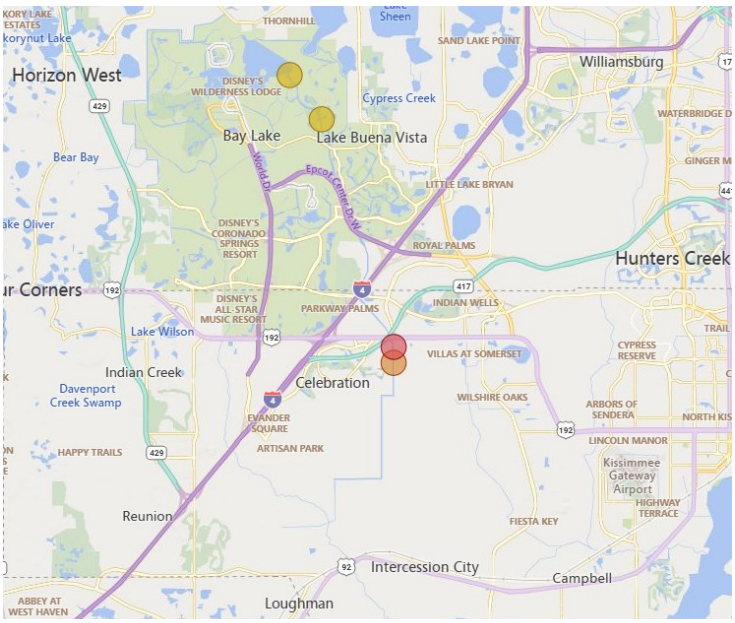
pH (n=52 out of 243, 21.4%)
38 Sample Sites
Larger dot size = multiple exceedances at the same sample site



Alkalinity (n=33 out of 118, 28.0%)
21 Sample Sites
Larger dot size = multiple exceedances at the same sample site



Percent Dissolved Oxygen Saturation (n=23 out of 172, 13.4%)
21 Sample Sites
Larger dot size = multiple exceedances at the same sample site



Copper (n=4 out of 81, 4.9%)
4 Sample Sites

CFTOD monitors hundreds of water quality sample sites on a daily, weekly, monthly & quarterly basis. These maps only display those sites that are not within the 62-302 FAC or Numeric Nutrient criteria for a single event during the indicated time period. Not all sites displayed are ambient or subject to the water quality criterion noted.

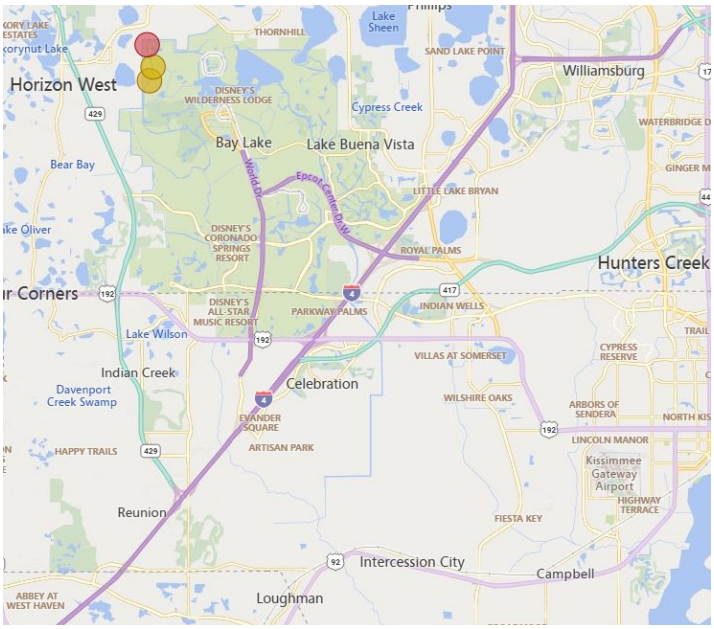
*The Reedy Creek Watershed includes a large wetland system which naturally has low alkalinity, dissolved oxygen, & pH. These parameters may fall outside of 62-302 water quality criteria, but are not indicative of impairment or pollution.

Pollution Control Quarterly Report
First Quarter 2025 (January-March)

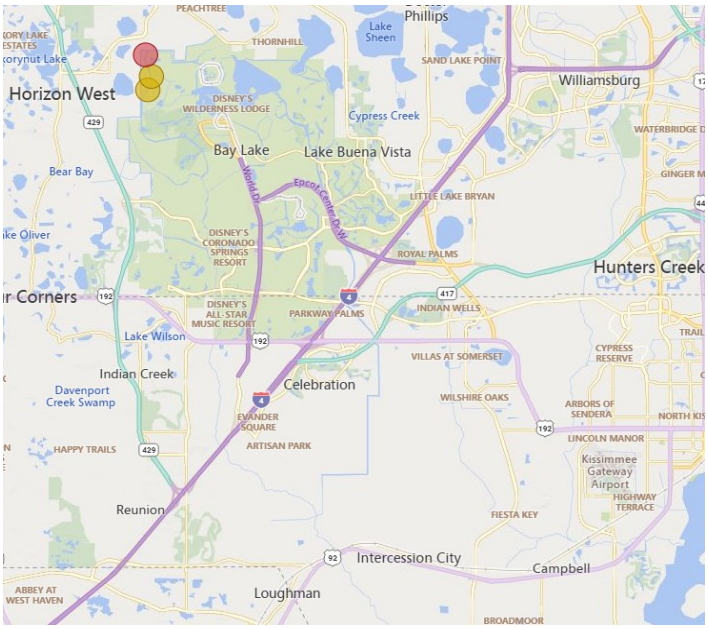
Water Quality Outside of Guideline Limits

Color Gradient Scale

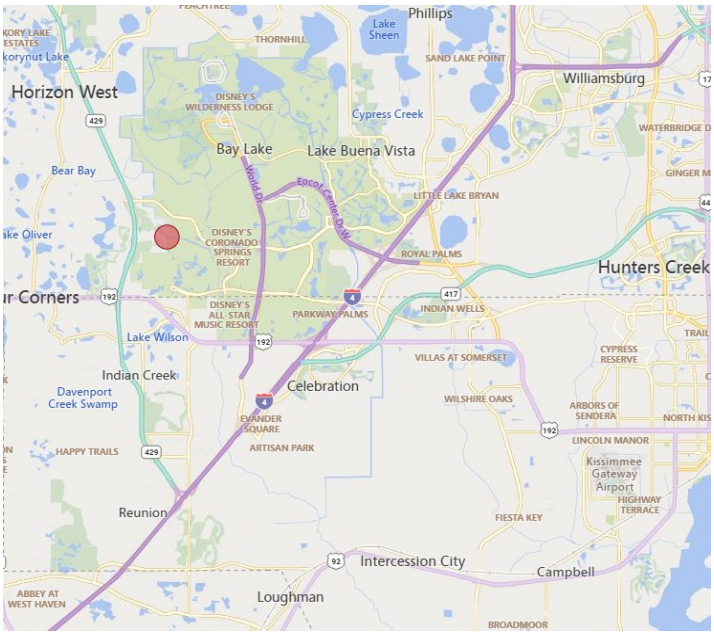
Lower Exceedance — Greater Exceedance



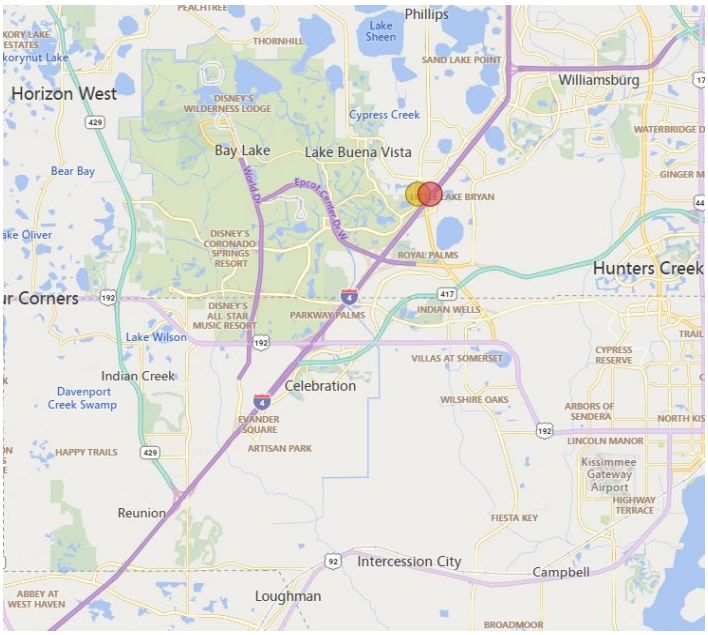
Iron (n=3 out of 85, 3.5%)
3 Sample Sites



Antimony (n=3 out of 100, 3.0%)
3 Sample Sites



Zinc (n=1 out of 100, 1.0%)
1 Sample Site



Turbidity (n=2 out of 140, 1.4%)
2 Sample Sites

CFTOD monitors hundreds of water quality sample sites on a daily, weekly, monthly & quarterly basis. These maps only display those sites that are not within the 62-302 FAC or Numeric Nutrient criteria for a single event during the indicated time period. Not all sites displayed are ambient or subject to the water quality criterion noted.

Pollution Control Quarterly Report
First Quarter 2025 (January-March)

Macroinvertebrate Monitoring

During the first quarter of 2025, the Macroinvertebrate Biology Section completed eighteen macroinvertebrate assessments, including one Stream Condition Index (SCI) collections, four Lake Condition Index (LCI) samples and thirteen MHD (Modified Hester-Dendy Multiplate Sampler) collections. The results of the completed bio assessments within District or jurisdictional waters are shown in the following table.

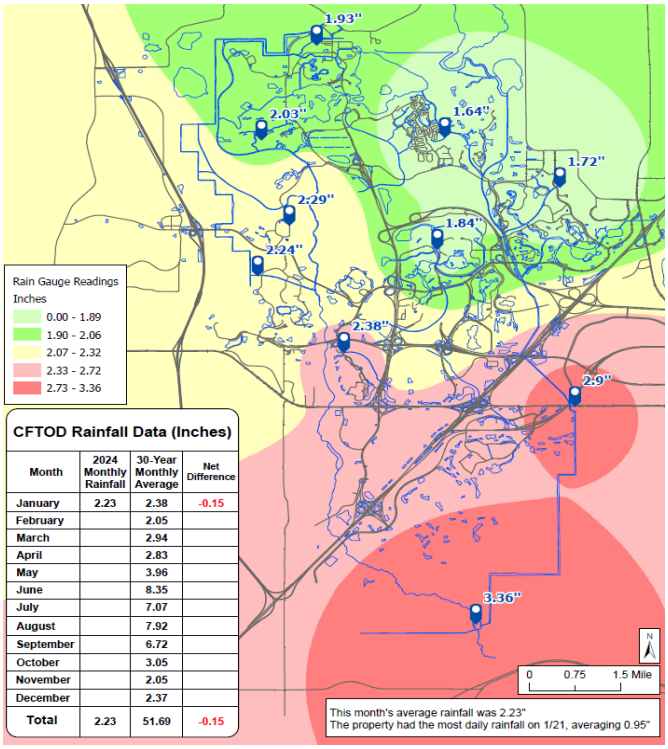
As indicated below, all results from the first quarter were normal or better than normal, suggesting stable environmental conditions at these sites. The SCI score in Reedy Creek was the highest recorded result in the past four years as well. It should also be noted that sites which experienced potentially negative impacts from last season's hurricanes, have rebounded back to normal results in the first quarter of 2025.

The Biotic Index (BI) and Hulbert Index (HI) are taxa sensitivity indices for streams and lakes, respectively. Higher scores are indicative of better water quality and habitat availability.

SITE	DESCRIPTION	DATE	TYPE	RESULTS
STW-4M	Reedy Creek upstream of US 192	1/14/25	SCI+RPS+LVS	Exceptional results; SCI score 79; BI score 20
RC-1	Reedy Creek at NW corner of property	01/27/25	MHD	Normal results
RC-6	Perimeter Canal west of C-4 canal	01/27/25	MHD	Normal results
C-5M	Cypress Creek Canal	2/3/25	MHD	Normal results
STW-1M	Cypress Creek above Vista Blvd.	2/3/25	MHD	Normal results
RC-19A	Reedy Creek Canal at the force main	2/5/25	MHD	Better than normal results
L-BCOMP	Bay Lake	2/10/25	LCI	Normal results; LCI score 73; HI score 13
C-12A	C-1 Canal just south of US 192	2/18/25	MHD	Better than normal results
RC-14M	Reedy Creek just below C-1 canal	2/18/25	MHD	Normal results
RC-7	Reedy Creek Canal downstream of Bear Island Road	2/25/25	MHD	Normal results
RC-6B	Whittenhorse Creek at wooden bridge	2/25/25	MHD	Normal results
RC-21B	Reedy Creek below Osceola Parkway - east branch	2/27/25	MHD	Better than normal results
STW-4M	Reedy Creek just north of US 192	2/27/25	MHD	Normal results
RC-13B	Reedy Creek upstream of I-4	3/4/25	MHD	Normal results
RC-16A	Reedy Creek Canal at the force main	3/19/25	MHD	Normal results

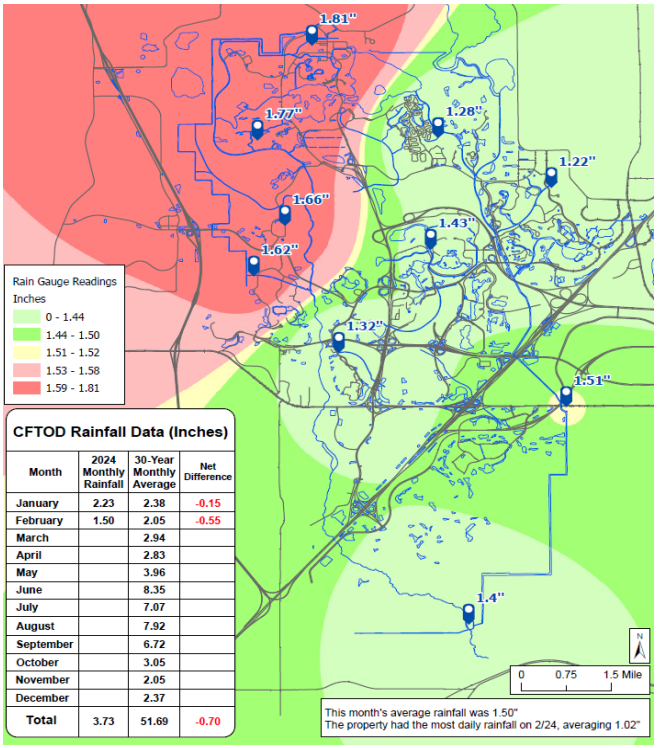
Pollution Control Quarterly Report
First Quarter 2025 (January-March)

District Rainfall Summary



Month	2024 Monthly Rainfall	30-Year Monthly Average	Net Difference
January	2.23	2.38	-0.15
February		2.05	
March		2.94	
April		2.83	
May		3.96	
June		8.35	
July		7.07	
August		7.92	
September		6.72	
October		3.05	
November		2.05	
December		2.37	
Total	2.23	51.69	-0.15

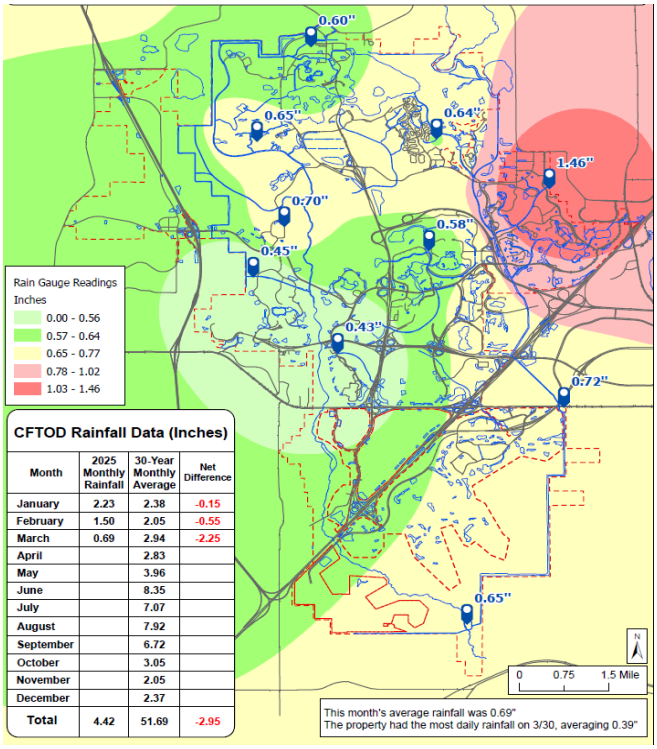
January 2025



Month	2024 Monthly Rainfall	30-Year Monthly Average	Net Difference
January	2.23	2.38	-0.15
February	1.50	2.05	-0.55
March		2.94	
April		2.83	
May		3.96	
June		8.35	
July		7.07	
August		7.92	
September		6.72	
October		3.05	
November		2.05	
December		2.37	
Total	3.73	51.69	-0.70

February 2025

CFTOD Rainfall Data (Inches)			
Month	2025 Monthly Rainfall	30-Year Monthly Average	Net Differ-ence
January	2.23	2.38	-0.15
February	1.5	2.05	-0.55
March	0.69	2.94	-2.25
April		2.83	
May		3.96	
June		8.35	
July		7.07	
August		7.92	
September		6.72	
October		3.05	
November		2.05	
December		2.37	
Total	4.42	51.69	-2.95



Month	2025 Monthly Rainfall	30-Year Monthly Average	Net Difference
January	2.23	2.38	-0.15
February	1.50	2.05	-0.55
March	0.69	2.94	-2.25
April		2.83	
May		3.96	
June		8.35	
July		7.07	
August		7.92	
September		6.72	
October		3.05	
November		2.05	
December		2.37	
Total	4.42	51.69	-2.95

March 2025

Pollution Control Quarterly Report
Second Quarter 2025 (April-June)

General Information

During the second quarter of 2025, 3,409 samples were collected or delivered from 774 sample sites. A total of 18,753 tests were performed, of which 12,109 or 64.6% of the total tests were from surface waters.

Water Quality

Surface water quality within CFTOD is measured according to criteria in Chapter 62-302 of the Florida Administrative Code (FAC) and Numeric Nutrient Criteria specifically for Class III recreational waters. The Reedy Creek watershed includes a large wetland system, which typically has low alkalinity, dissolved oxygen and pH. These parameters may fall outside Chapter 62 FAC water quality criteria, but are not indicative of impairment or pollution.

Routine Monitoring

Environmental Sciences monitored a number of sample locations for permit compliance as well as routine monitoring of surface water, stormwater outfalls and inflows to property.

- Swimming beaches and areas open to the public met FAC guidelines for bathing places for all locations tested.
- Out of the 12,109 surface water tests performed, 98.9% of tests analyzed met the FAC 62-302 and Numeric Nutrient Criteria guidelines with the following few exceptions (see maps for additional information):
    - **Nitrogen** results were elevated at three locations:
        - 1 location above the S-103A structure;
        - 1 location in Reedy Creek at Reams Road; and
        - 1 location on CR-545 at a culvert.
    - Elevated **phosphorus** results were present at the following six locations:
        - 1 location above the S-103A structure;
        - 1 location east side of the L-401A;
        - 1 location on CR-545 at a culvert; and
        - 3 Celebration Village outfalls.
    - ***E.coli*** exceedances based on a single sample occurred at six sites (eight exceedances) during the second quarter.
        - 1 location from twin 60-inch pipes along C-1 canal south of 192;
        - 3 locations in the lower portion of Reedy Creek (likely wildlife influenced); and
        - 2 location (4 exceedances) within a drainage ditch running under SR 535 and Hotel Plaza Blvd. The District continues to monitor the area with expanded sampling. Recent sampling results have indicated a lower level of pollution with sporadic exceedances at various locations. A recent cleanup of the ditch occurred in the second quarter of 2025, which may have had a positive impact on the area.
    - Seven exceedances for **Chlorophyll-a** was recorded within six waterbodies as follows:
        - 1 location below the S-105A;
        - 1 location on the east side of the L-401 canal;
        - 1 location above the S-407;
        - 1 location below the S-405;
        - 1 location in the Golden Oak community; and
        - 2 locations in the C-1 canal.
    - **pH** readings at numerous locations across property measured outside the specified criteria. The number of samples that did not meet surface water criteria decreased in comparison to the previous quarter's sampling events, but was slightly above the number of exceedances from Q2 of 2024. The exceedances were all located in areas where low pH has been observed in the past and do not appear to be the result of environmental degradation. Staff will continue to monitor the system for trends or anomalies.

Routine Monitoring Continued

- **Total alkalinity** results were outside of regulatory limits for nearly fourteen percent of all sites collected and tested across property. The exceedance rate decreased from the previous quarter, and was within previous records of Q2 exceedance data. Exceedances occurred in areas where lower alkalinity has been observed in the past, and some of the areas appear to have naturally low levels of alkalinity.
- The number of criteria exceptions for **dissolved oxygen** measurements slightly increased from the previous quarter. These sample sites also occur in areas where low dissolved oxygen has occurred in the past. District staff continues to track and monitor any changes that occur on property, but these findings appear to be consistent with past Q2 results.
- **Copper** results were elevated at the following six sample sites listed below. Over three quarters of these sites regularly exceeding state standards are located outside District boundaries and within the Celebration and Golden Oak communities.
    - 4 locations in the Golden Oak area;
    - 1 locations in the Celebration area; and
    - 1 location in the L-407A canal.
- **Lead** results were elevated at one location:
    - 1 location above the S-15;

C-3B, 5/19/25
pH, Copper, Chlorophyll-a, and Alkalinity exceedances

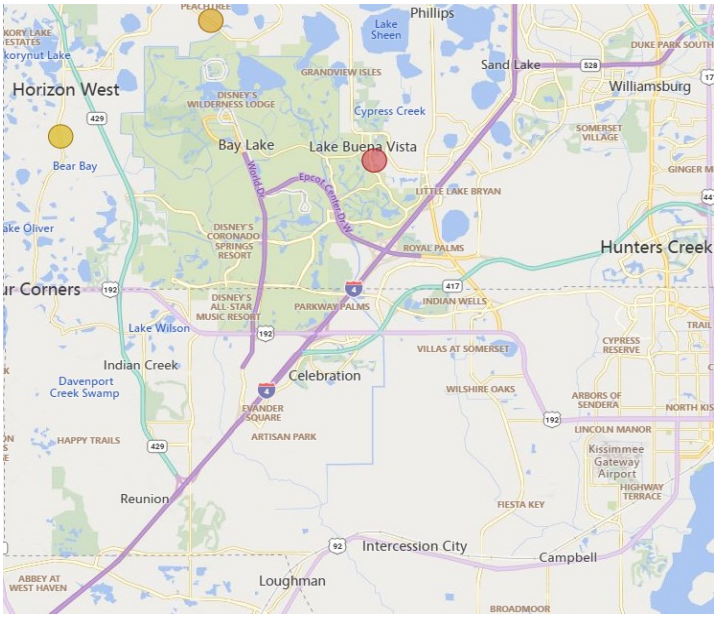
RC-13B, 4/9/25
April ~ Exceptional Stream Condition Index Score
May~ Normal MHD Result

Pollution Control Quarterly Report
Second Quarter 2025 (April-June)

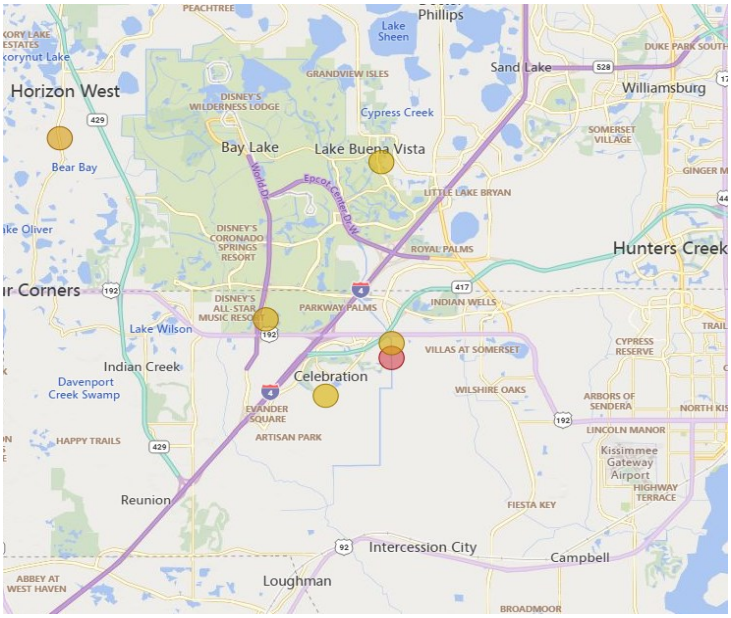
Water Quality Outside of Guideline Limits

Color Gradient Scale

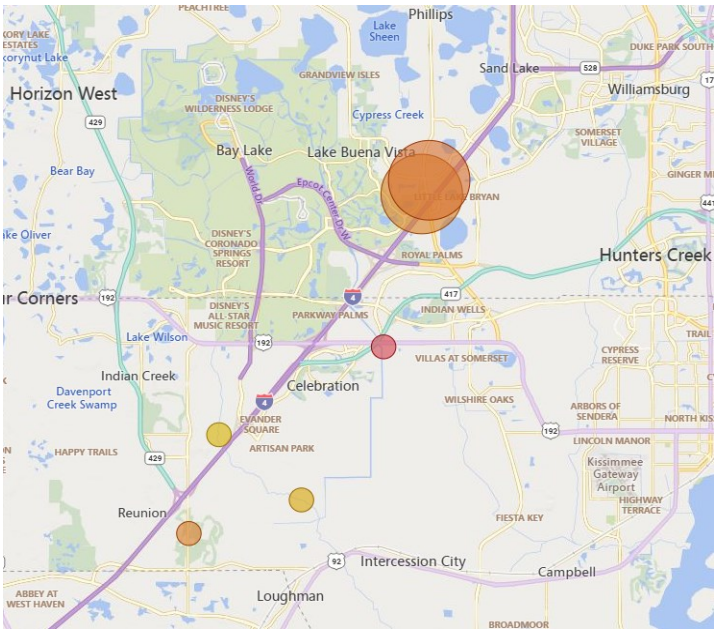
Lower Exceedance — Greater Exceedance



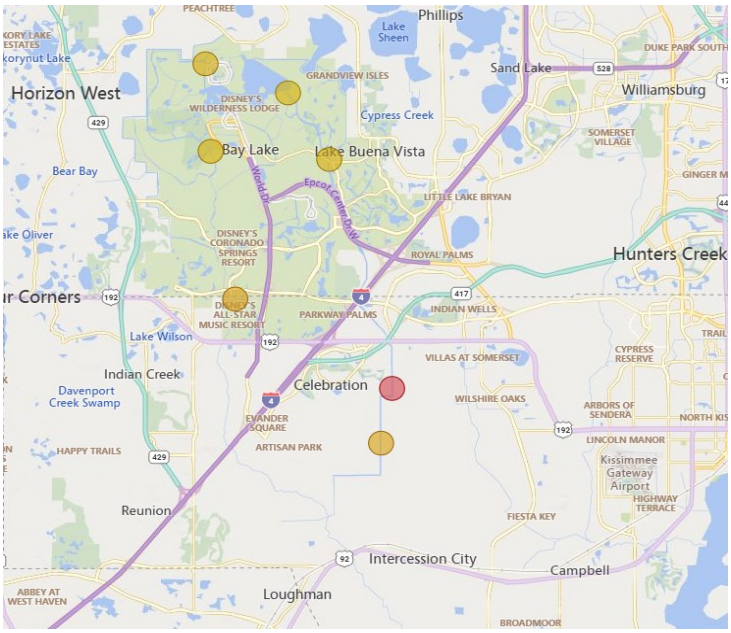
Total Nitrogen (n=3 out of 140, 2.1%)
3 Sample Sites



Total Phosphorus (n=6 out of 147, 4.1%)
6 Sample Sites



E.coli (n=8 out of 125, 6.4%)
6 Sample Sites
Larger dot size = multiple exceedances at the same sample site



Chlorophyll-a (n=7 out of 84, 8.3%)
6 Waterbody Locations

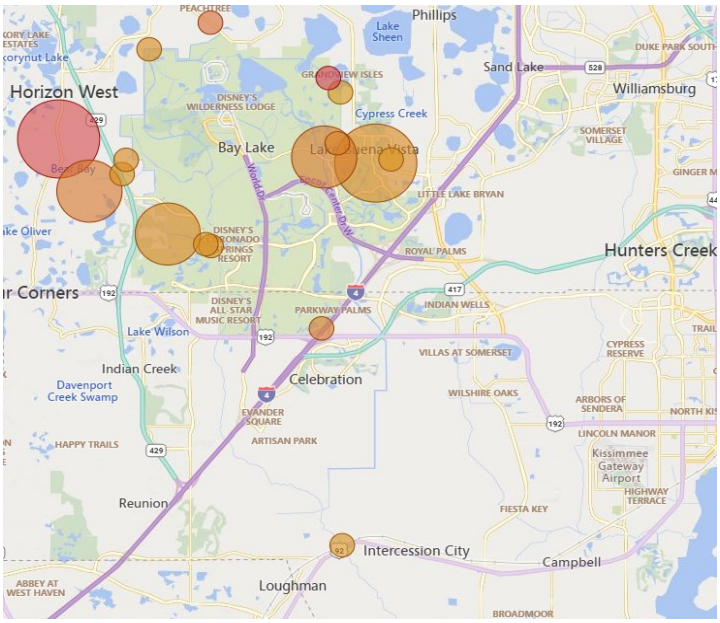
CFTOD monitors hundreds of water quality sample sites on a daily, weekly, monthly & quarterly basis. These maps only display those sites that are not within the 62-302 FAC or Numeric Nutrient criteria for a single event during the indicated time period. Not all sites displayed are ambient or subject to the water quality criterion noted.

Pollution Control Quarterly Report
Second Quarter 2025 (April-June)

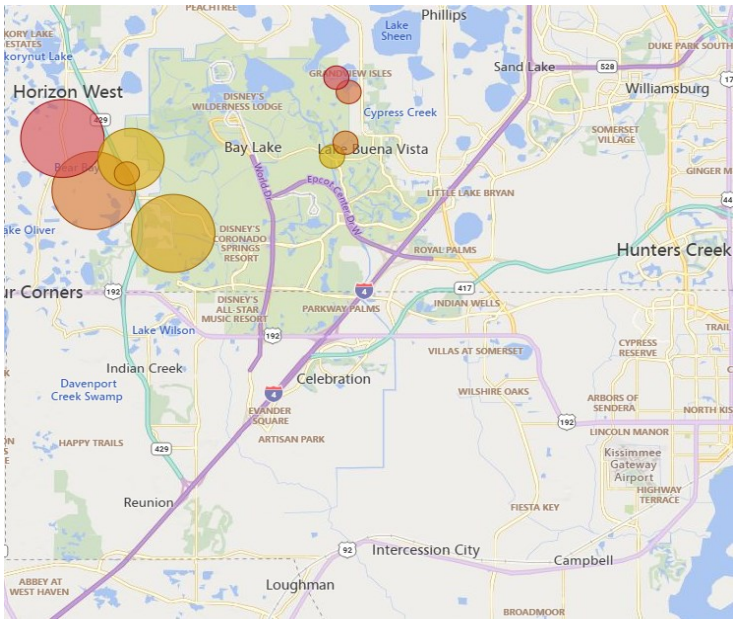
Water Quality Outside of Guideline Limits

Color Gradient Scale

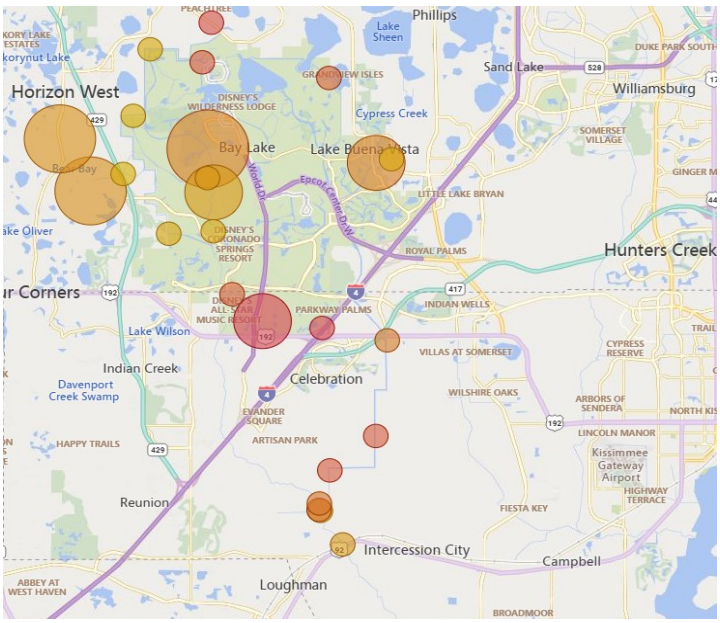
Lower Exceedance — Greater Exceedance



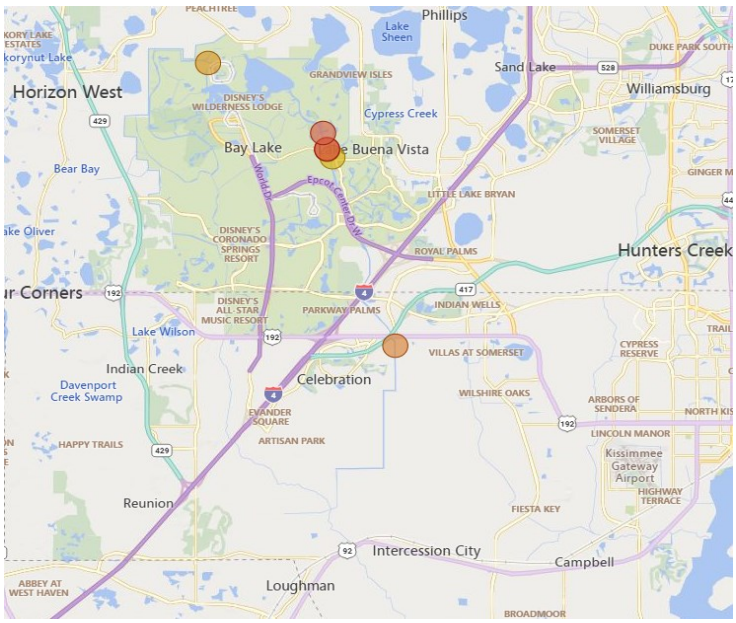
pH (n=24 out of 173, 13.9%)
17 Sample Sites
Larger dot size = multiple exceedances at the same sample site



Alkalinity (n=16 out of 116, 13.8%)
9 Sample Sites
Larger dot size = multiple exceedances at the same sample site



Percent Dissolved Oxygen Saturation (n=35 out of 170, 20.6%)
25 Sample Sites
Larger dot size = multiple exceedances at the same sample site



Copper (n=6 out of 80, 7.5%)
6 Sample Sites

CFTOD monitors hundreds of water quality sample sites on a daily, weekly, monthly & quarterly basis. These maps only display those sites that are not within the 62-302 FAC or Numeric Nutrient criteria for a single event during the indicated time period. Not all sites displayed are ambient or subject to the water quality criterion noted.

*The Reedy Creek Watershed includes a large wetland system which naturally has low alkalinity, dissolved oxygen, & pH. These parameters may fall outside of 62-302 water quality criteria, but are not indicative of impairment or pollution.

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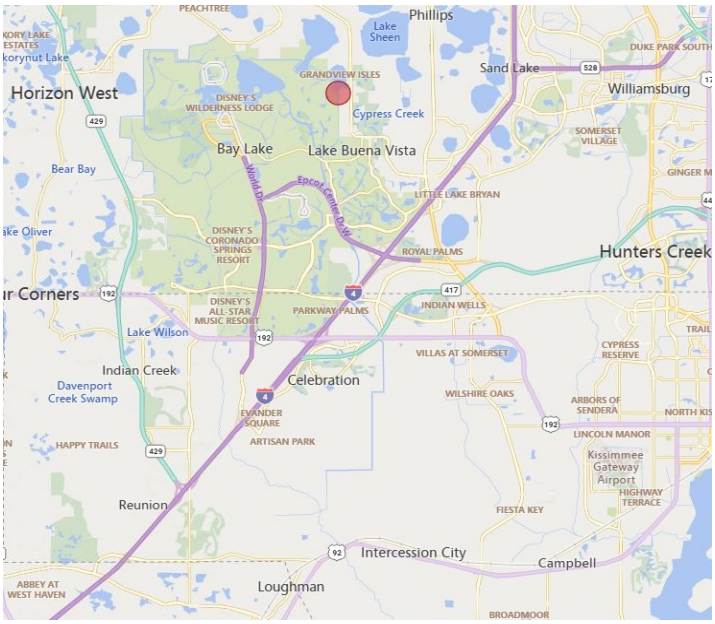
Water Quality Outside of Guideline Limits

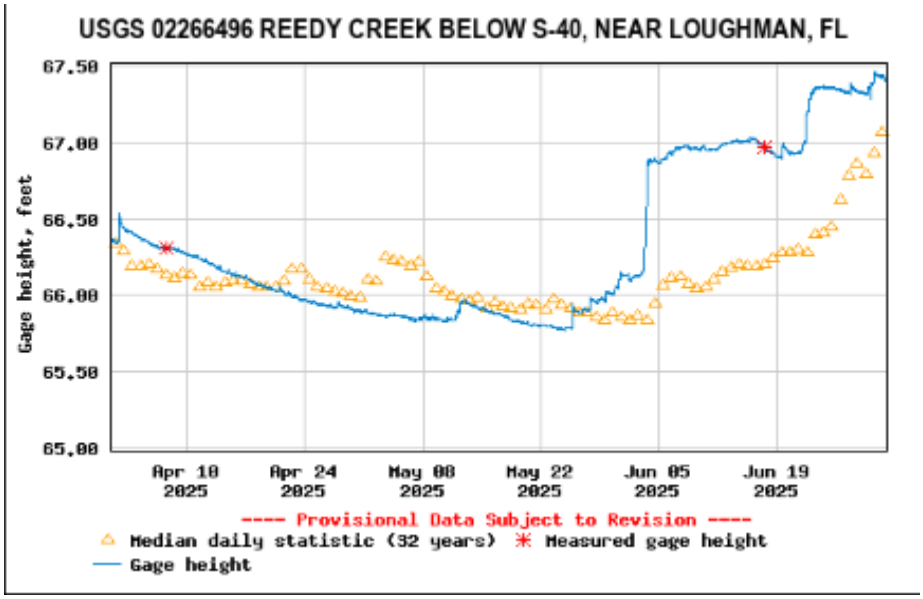
Color Gradient Scale

Lower Exceedance — Greater Exceedance



Lead (n=1 out of 98, 1.0%)
1 Sample Site

C-3, 5/19/2025
Lead, pH, and Alkalinity exceedances



During the middle of the quarter, prolonged periods without rain caused the water level at S-40 to be below the daily median over the same period. However, heavy rains in May caused the gage height to spike later in the quarter. The Environmental Sciences team is monitoring the rainfall data to track flushes, trends and historical data.

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Macroinvertebrate Monitoring

During the second quarter of 2025, the Macroinvertebrate Biology Section completed nineteen macroinvertebrate assessments, including one Stream Condition Index (SCI) collection, five Lake Condition Index (LCI) samples and thirteen MHD (Modified Hester-Dendy Multiplate Sampler) collections. The results of the completed bio assessments within District or jurisdictional waters are shown in the following table.

As indicated below, most results from the second quarter were normal or better than normal, suggesting stable environmental conditions at these sites. At two MHD sites, results were below or somewhat below normal (though not below historic levels). In both of these cases, it is expected that these results are a reflection of stresses due to seasonal fluctuations in water levels, temperature, and dissolved oxygen level, rather than being indicative of overall declining water quality trends. Future sampling should clarify this.

The Biotic Index (BI) and Hulbert Index (HI) are taxa sensitivity indices for streams and lakes, respectively. Higher scores are indicative of better water quality and habitat availability.

SITE	DESCRIPTION	DATE	TYPE	RESULTS
RC-13B	Reedy Creek upstream of I-4	4/9/25	SCI+LVS+RPS	Exceptional results; SCI score 82; BI score 22
C-15	C-1 Canal south of US 192	4/28/25	MHD	Normal results
RC-14M	Reedy Creek just below C-1 canal	4/28/25	MHD	Below normal results
C-3B	C-1 Canal at Vista Blvd.	4/29/25	MHD	Normal Results
RC-13B	Reedy Creek upstream of I-4	5/1/25	MHD	Normal results
L-BCOMP	Bay Lake	5/13/25	LCI	Normal results; LCI score 66; HI score 15
RC-6B	Whittenhorse Creek at wooden bridge	5/20/25	MHD	Normal results
RC-7	Reedy Creek Canal downstream of Bear Island Road	5/20/25	MHD	Below normal results
RC-16A	Davenport Creek just NE of powerline vehicle path	5/28/25	MHD	Normal results
C-5M	Cypress Creek Canal	6/2/25	MHD	Normal results
STW-1M	Cypress Creek above Vista Blvd.	6/2/25	MHD	Normal results
RC-11	Reedy Creek below L-410 canal	6/9/25	MHD	Better than normal results
RC-19A	Reedy Creek Canal at the force main	6/9/25	MHD	Normal results
C-10B	C-1 Canal above I-4	6/16/25	MHD	Better than normal results
STW-4M	Reedy Creek just north of US 192	6/16/25	MHD	Normal results

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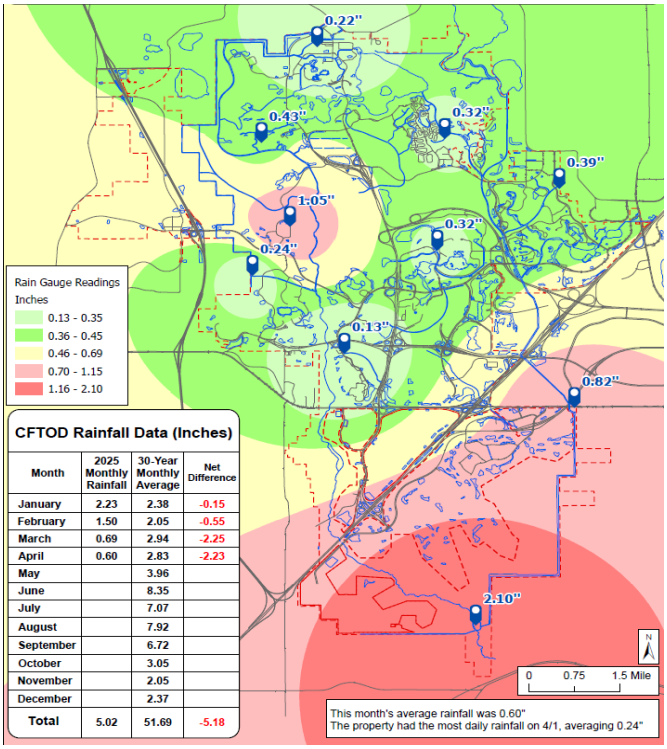
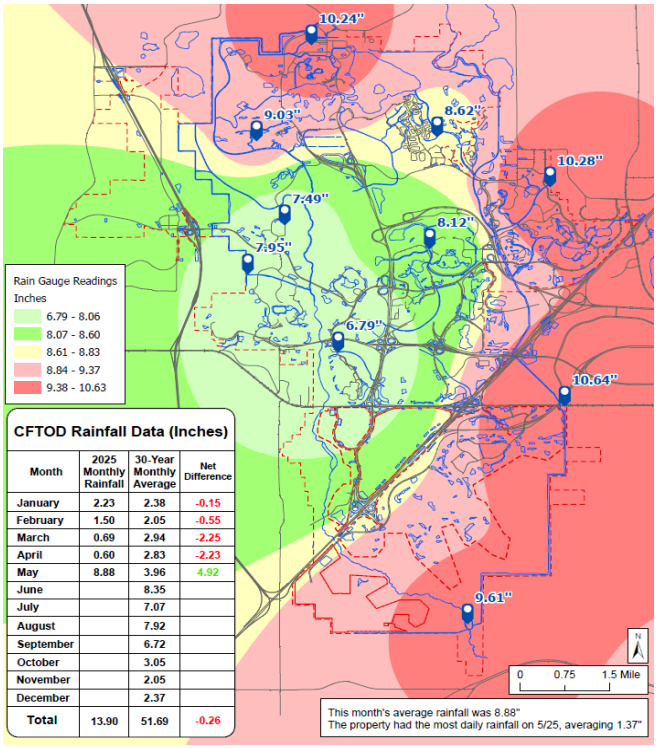
District Rainfall Summary

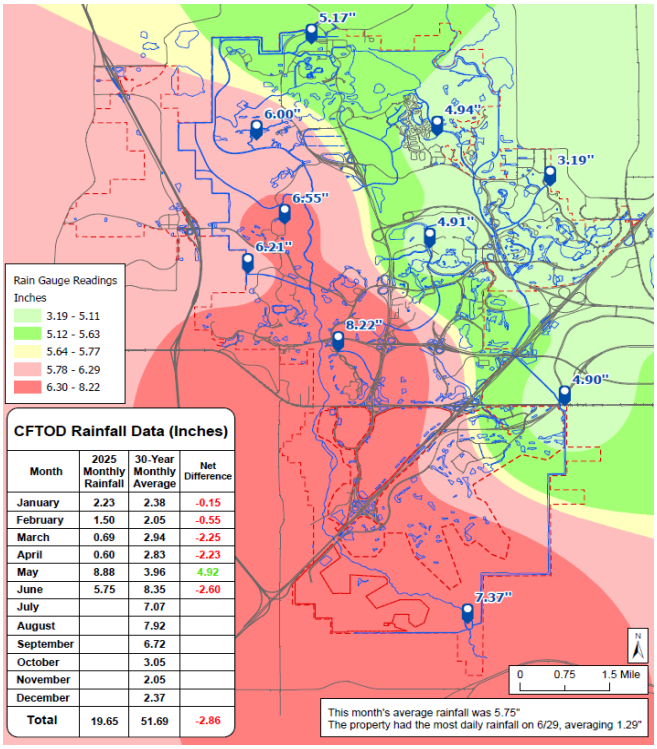


April 2025



May 2025

CFTOD Rainfall Data (Inches)			
Month	2025 Monthly Rainfall	30-Year Monthly Average	Net Difference
January	2.23	2.38	-0.15
February	1.50	2.05	-0.55
March	0.69	2.94	-2.25
April	0.60	2.83	-2.23
May	8.88	3.96	4.92
June	5.75	8.35	-2.60
July		7.07	
August		7.92	
September		6.72	
October		3.05	
November		2.05	
December		2.37	
Total	19.65	51.69	-2.86



June 2025