



Lakes & Waterways Board Regular Meeting

Agenda

March 11, 2025 @ 12:00 PM

City Hall Commission Chambers
401 S. Park Avenue

welcome

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"If a person decides to appeal any decision made by the Board with respect to any matter considered at this hearing, a record of the proceedings is needed to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based." (F.S. 286.0105).

please note

Times are projected and subject to change.

- 1. Call to Order**
- 2. Consent Agenda**
 - a. Approve the minutes of February 11, 2025
- 3. Public Comments (for items not on the agenda): Three minutes allowed for each speaker**
- 4. Public Hearings (Public participation and comment on these matters must be in person.)**
- 5. Action Items**
- 6. Non-Action Items**
 - a. Lakes Webpage Development 10 Minutes
- 7. Staff Updates**
 - a. Winter Park Police Department 10 Minutes
 - b. Lakes Management 10 Minutes
 - c. Upcoming Events 5 Minutes
 - Orange County Lake Killarney Advisory Board Meeting - 3/13 5pm @ Public Safety Building (500 N Virginia Ave.)
 - Weed Wrangle - 3/15 9a @ Mead Gardens
 - Shoreline Restoration - 3/22 9am @ Lake Berry
 - Candlelight Yoga - 3/22 7pm @ Mead Garden
 - The Great Duck Derby - 3/29 10am @ Mead Gardens
 - d. Stormwater Management 10 Minutes
- 8. Board Comments**
 - a. Discussion of Public Comments Received 5 Minutes
- 9. Upcoming Agenda Items**
 - a. Discussion of Upcoming Agenda Items 5 Minutes
- 10. Adjournment**



Lakes & Waterways Board

agenda item 2.a

item type

Consent Agenda

meeting date

March 11, 2025

prepared by**approved by****subject**

Approve the minutes of February 11, 2025

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

1. LWB-mins-2025-02-11 GE edited



Lakes & Waterways Board Regular Meeting Minutes

February 11, 2025 at 12:00 PM

City Hall Commission Chambers
401 S. Park Avenue

Present

David F. March PhD, Ed Webman, George T. Vietor, Justin J. Vermuth, William H. Swartz Sr., Matthew Johnson, Clark Sprinkel

Staff Present

Director of Natural Resources and Sustainability Gloria Eby, Assistant Director of Public Works Don Marcotte, Public Works Engineer Shannon Monahan, Lakes Manager Joseph Cordell, Lakes Specialist Daniel Barber, Sergeant Luke Hofer, Administrative Assistant Victoria Tabor

1. Call to Order

Justin Vermuth called the meeting to order at 12:02 p.m.

2. Consent Agenda

- a. Approve the minutes of January 14, 2025

Motion made by Ed Webman to approve the minutes, seconded by Matthew Johnson. Motion carried unanimously with a 5-0 vote.

3. Public Comments (for items not on the agenda)

4. Public Hearings (Public participation and comment on these matters must be in person.)

- a. Boathouse/Dock Application (BLDR-2024-1037) 2207 Kindel Ave.

The application is for a new dock that does not include a boat slip and requires revegetation. Staff has provided the background information for the dock application, including parameters, photographs, aerial views, and plans. The applicant has obtained signed letters of no objection from both property owners, consenting to the variance for the additional 5 feet. Staff recommends approval of the application with revegetation.

Motion made by Mr. Swartz to approve new dock permit BLDR-2024-1037; seconded by Mr. Vietor. The motion carried unanimously by a 7-0 vote.

- b. Seawall Application (SAP-2024-0019) 440 Henkel Cir

The application is for a new structure vinyl seawall with a concrete cap and two-to-one slope revetment. Staff provided the seawall application's background, parameters,

photograph/aerial view, and plans. There are current erosion issues that require revegetation.

Mr. Sprinkel expressed concerns about the erosion issue. Chris Thompson, a civil engineering consultant hired by the property owner, is assisting with the situation and explained that with the proposed seawall, an underdrain system was suggested for the retention system which has not been functional. Currently, the area has been ponding for four days, with evaporation being the solution and little to no infiltration taking place. Two issues are being addressed: shoreline erosion and the recovery of the stormwater facilities that were installed during the construction associated with this property.

The underdrain system on Hinkle Circle cannot connect positively to the stormwater system due to elevation changes. The pond's normal high water level is around 68 feet, while the property line is 10 to 15 feet higher, requiring drainage to flow into Lake Mizell. Additionally, there is a significant amount of erosion occurring. Photographs show the extensive amount of water flowing through the property, which is washing sand out into the lake from underneath the property itself.

The combination of an underdrain system and a seawall is the best solution for addressing the stormwater and erosion concerns at the property. Both components will be constructed simultaneously. Once Lakes Advisory approves the shoreline alteration, the permit will be sent to the stormwater division for review.

A question was raised regarding the steps being taken to reduce nitrogen runoff into the lake. Mr. Thompson explained that the stormwater system is designed to capture the initial runoff, thus reducing nitrogen and phosphorus levels. However, currently the stormwater system is lacking. As it stands, water can sit in the retention pond for extended periods. If a subsequent storm occurs, it may cause the pond to overflow, leading to untreated water being washed into Lake Mizell. The benefit of the permit helps address the homeowner's erosion issue and ensures the lake quality.

Mr. Sprinkel inquired whether the staff had considered alternatives to the seawall, such as using vegetation. Ms. Eby responded that, given the wave action the property experiences and the presence of adjacent parcels with similar seawall/revetment, the staff recommends proceeding with the seawall solution.

A question was raised about the time frame for revegetation. Staff routinely conduct inspections extending six months post installation.

There was a discussion about a prior violation of the shoreline alteration code by the applicant. Ms. Eby emphasized that if the removal of vegetation by a property owner led to a code violation and erosion issues, the property owner will be required to carry out revegetation prior to a revetment or seawall being allowed. Staff uses their expertise to determine if erosion is occurring and the extent of erosion control measures deemed appropriate. For this case, independent from prior shoreline

vegetation violations, armoring with a seawall/revetment is appropriate and consistent with the two adjacent lakefront parcels.

Motion made by Mr. Vermuth to approve permit SAP-2024-0019 with revegetation and the installation of a vinyl liner; seconded by Mr. Webman. The motion carried unanimously by a 7-0 vote.

c. Boathouse/Dock Application (BLDR-2025-0110) 1119 Preserve Point

The application is for a boathouse addition with a variance. Staff provided background information, along with parameters, photograph/aerial view, and plans. The neighbor has submitted a letter of no objection to the variance. Staff recommend approval with additional revegetation requirement.

Motion made by Mr. Vietor to approve permit BLDR-2025-0110 with revegetation; seconded by Mr. Sprinkel. The motion carried unanimously by a 7-0 vote.

5. Action Items

6. Non-Action Items

7. Staff Updates

a. Winter Park Police Department

Sergeant Hofer reported four documented patrols. New safety inspection decals have been received, and 26 decals have already been issued. In the last month, three violations resulted in citations. It is important to ensure that registration numbers are displayed on both sides of the boat. Additionally, all safety equipment, including fire extinguishers, should be checked to ensure they are not rusty and are functioning properly. Make sure to have a Type 4 throwable device on board.

Sergeant Hofer recommended contacting the Winter Park Police Department if any issues arise.

b. Lakes Management

Mr. Cordell presented the Lakes Management report, which included the following updates:

- Treatments – There has not been much growth due to the weather. Staff observed a few harmful algae blooms that were reported to the state. Samples have been taken from Lake Sue, Lake Killarney and Lake Osceola and are currently awaiting the results to determine if there are cyanotoxins present. A message was sent to the residents through the lake alert system to inform them about the presence of the algae, along with links to the Department of Health for recommendations that they can follow. Additional recommendations are also on the Lakes page as a notice. Staff will provide an update once the results are received.

- Mr. Barber presented the plant of the month: the fragrant water lily (*Nymphaea odorata*). Its range extends from Alaska to Puerto Rico. The flowers are prominently

white, with pollen that feeds insects and bees, while the seeds nourish ducks and other waterfowl. Additionally, the pads provide excellent cover for fish and turtles.

c. Past & Upcoming Events

- Tree Planting - 2/8/25 9am @ Howell Branch Preserve
- Household Hazardous Waste Drop-off - 3/8/25 8am @ Cady Way Pool
- Shoreline Restoration - 3/22/25 9am @ Lake Berry
- Duck Derby - 3/29/25 10am @ Mead Gardens

The Weed Wrangle, an invasive plant removal event, is now at Mead Gardens instead of Howell Branch Preserve on March 15 instead of March 1.

Mr. Cordell advised to verify in advance what items are acceptable for drop-off at the Hazardous Waste event. You can visit the Sustainability website or call for more information.

If you wish to participate in the Duck Derby, you must purchase ducks.

d. Stormwater Management

Ms. Monahan advised there are not many significant updates regarding some of the larger CIP projects. Staff is still working through the permitting for the Old England outfall project. Recently, a repair technique called pipe lining was successfully completed on the Summerland Avenue as part of a pipe repair project. This involves inserting a liner made of plastic sheeting instead of replacing the entire pipe. The liner has a lifespan of 30 to 50 years. Mr. Marcotte also clarified the advantages of using high-density polyethylene (HDPE) pipes compared to concrete pipes.

Ms. Monahan displayed the area covered by the Balmoral Road baffle box as the Best Management Practice project of the month. The basin spans 81 acres and is served by this one outfall equipped with a large baffle box. The elevation gradient of the basin is significant, changing by at least 10 feet between the top end of the basin to the bottom.

8. Board Comments

a. Discussion of Public Comments Received

Tom Lawton who resides at 1208 N Park Avenue in the Twelve Oaks subdivision inquired about whether there is a minimum diameter for pipes that cannot be relined. Mr. Marcotte explained that Twelve Oaks is private and he is unsure of the size of the pipes. However, he noted that very small pipes can be lined depending on the condition of the pipe. Usually, the contractor will assess the pipe after being videotaped to evaluate its condition and make recommendations.

9. Upcoming Agenda Items

a. Discussion of Upcoming Agenda Items

Mr. Webman asked about the status of the website and encouraged staff to use the board as a resource. Ms. Eby advised that the website is still in the works and staff could possibly provide a snapshot of the new website at the next meeting. Mr. Webman emphasized that it will greatly benefit the community and the staff which staff agreed.

10. Adjournment

The meeting adjourned at 1:01 p.m.

Approved by the board on _____
/s/ Bahiyyah Layton, Board Coordinator



Lakes & Waterways Board

agenda item 6.a

item type

Non-Action Items

meeting date

March 11, 2025

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Lakes Webpage Development

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

None



Lakes & Waterways Board

agenda item 7.a

item type

Staff Updates

meeting date

March 11, 2025

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Winter Park Police Department

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

None



Lakes & Waterways Board

agenda item 7.b

item type

Staff Updates

meeting date

March 11, 2025

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Lakes Management

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

1. Lakes Update 2025.03



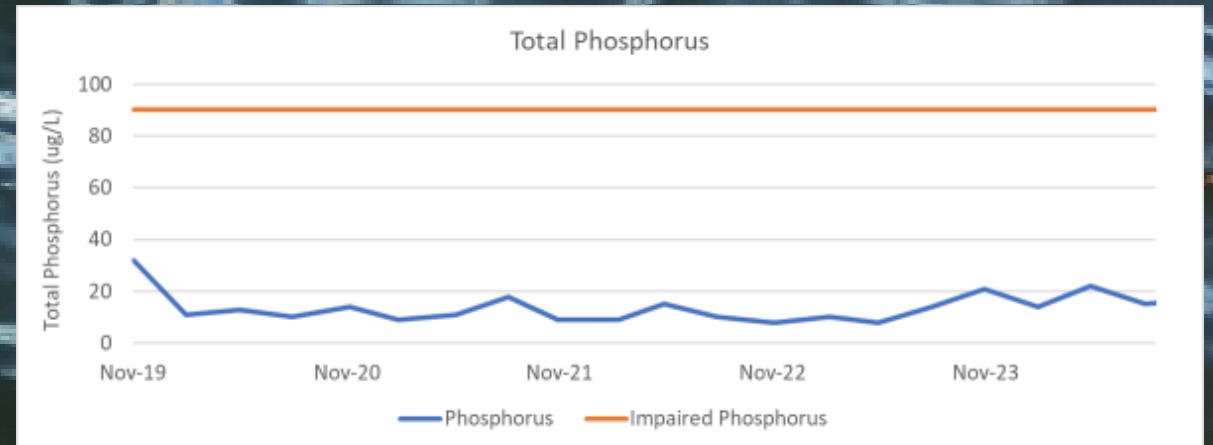
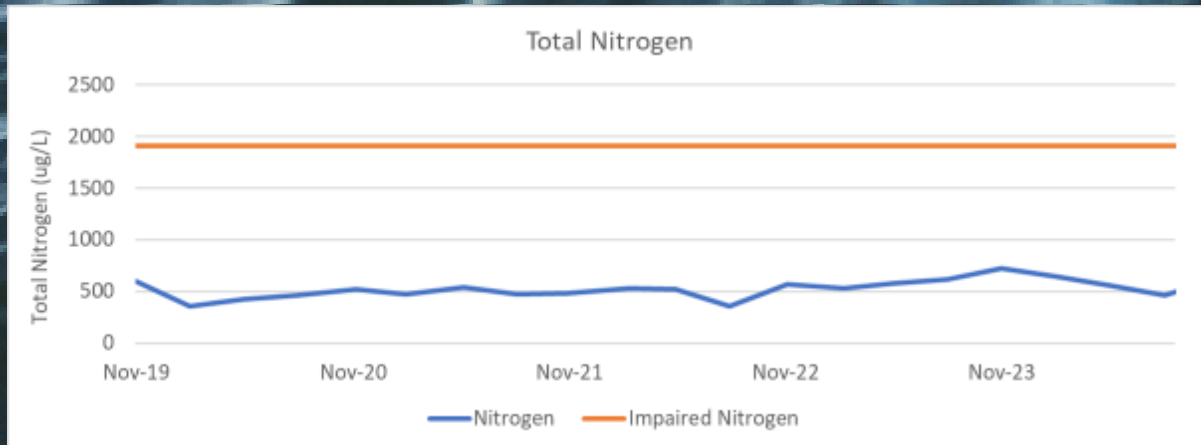
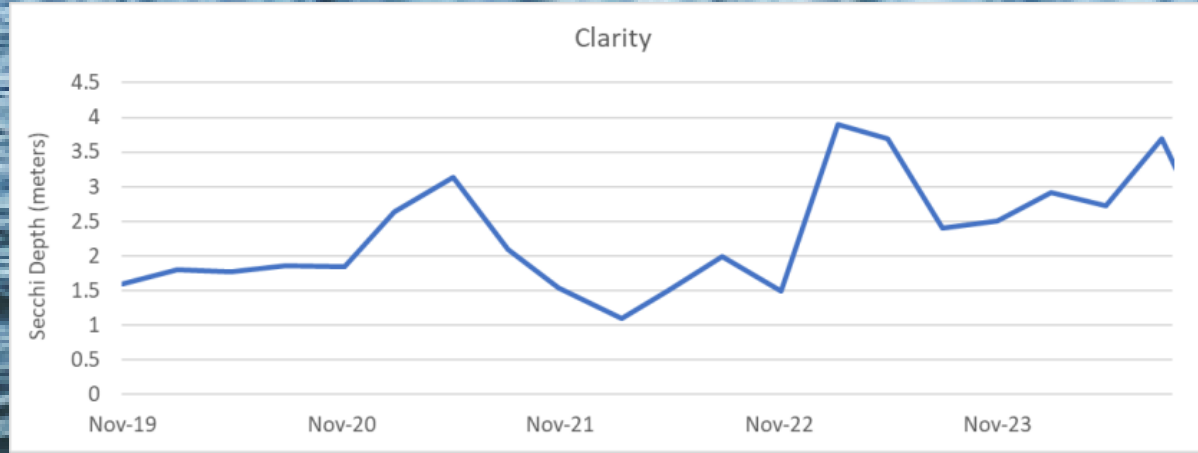
Lakes and Waterways Advisory Board

March 2025

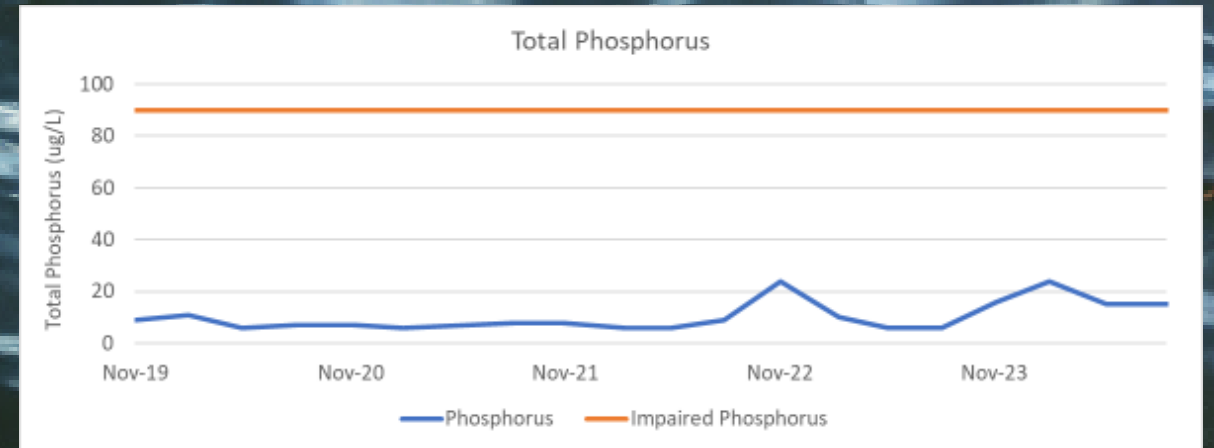
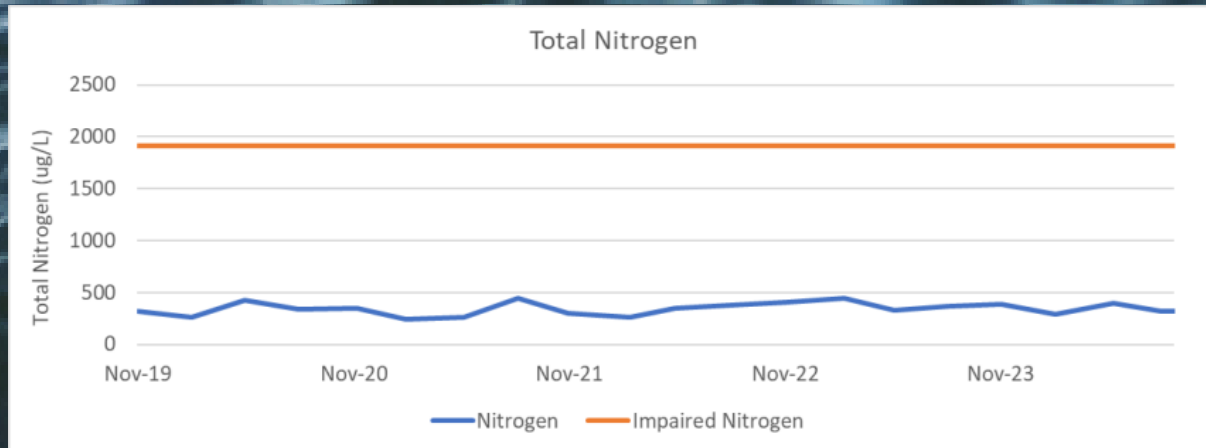
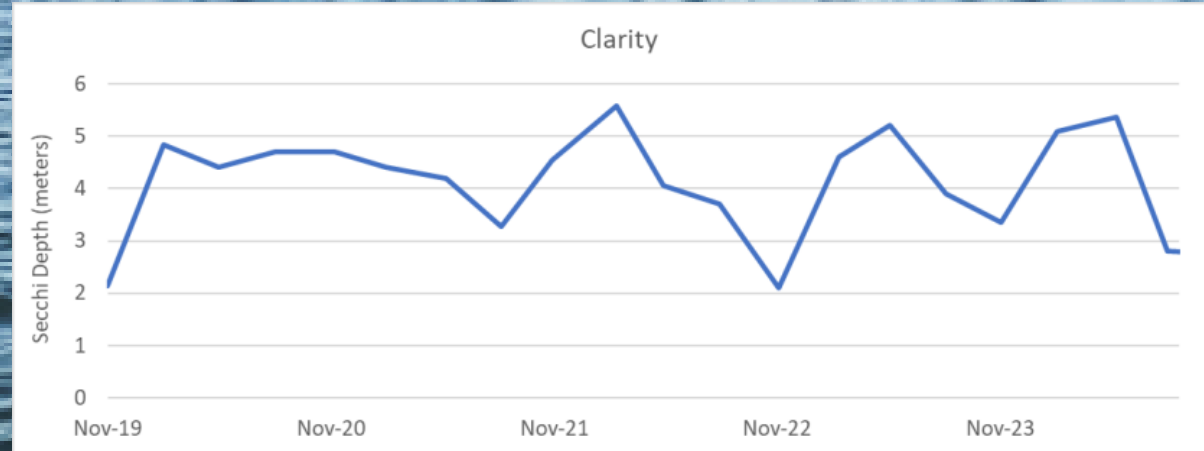
Lakes Updates

- Treatments
 - Lake Baldwin Hydrilla phase 1 treatment
 - Minnehaha and Nina Hydrilla treatment
- Plant of the Month
- Past & Upcoming Events:
 - Household Hazardous Waste Drop-off – March 8th 8am @ Cady Way Pool
 - Orange County Lake Killarney Advisory Board Meeting – March 13th 5pm @ Public Safety Building (500 N Virginia Ave.)
 - Weed Wrangle Mead Gardens – March 15th 9am @ Mead Gardens
 - Shoreline Restoration – March 22nd 9am @ Lake Berry
 - Candlelight Yoga – March 22nd 7pm @ Mead Gardens
 - The Great Duck Derby – March 29th 10am @ Mead Gardens
 - Great American Cleanup – April 5th @ All Winter Park Parks

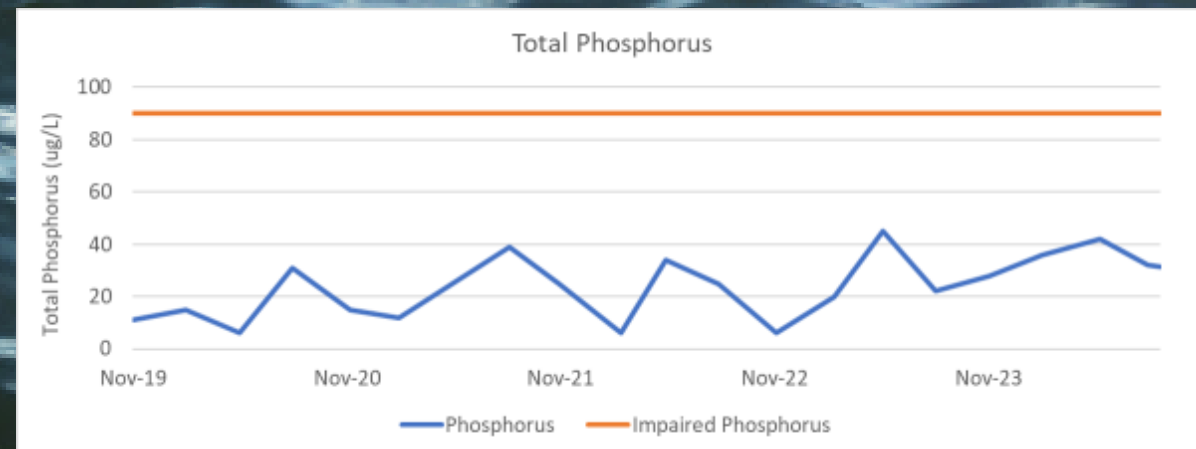
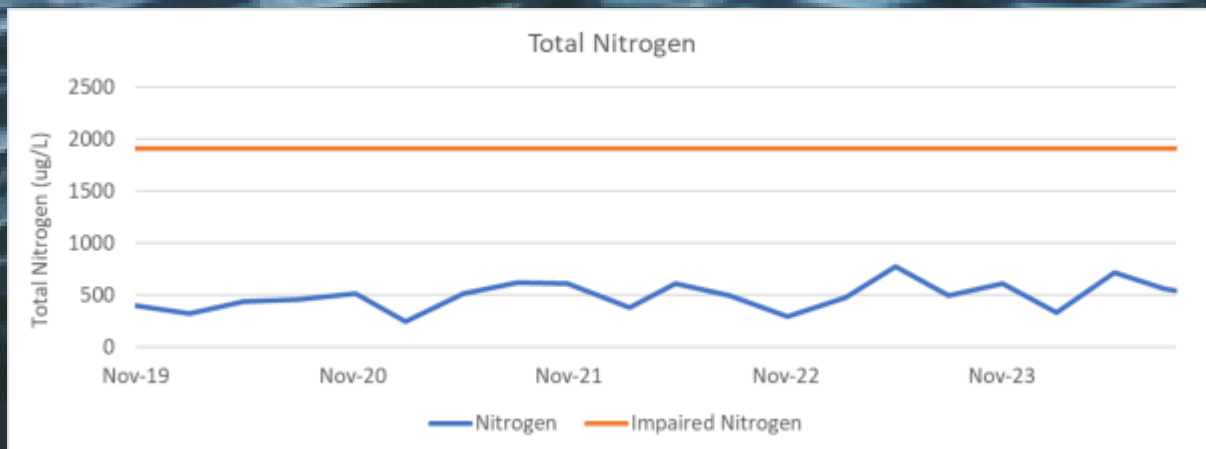
Lake Bell



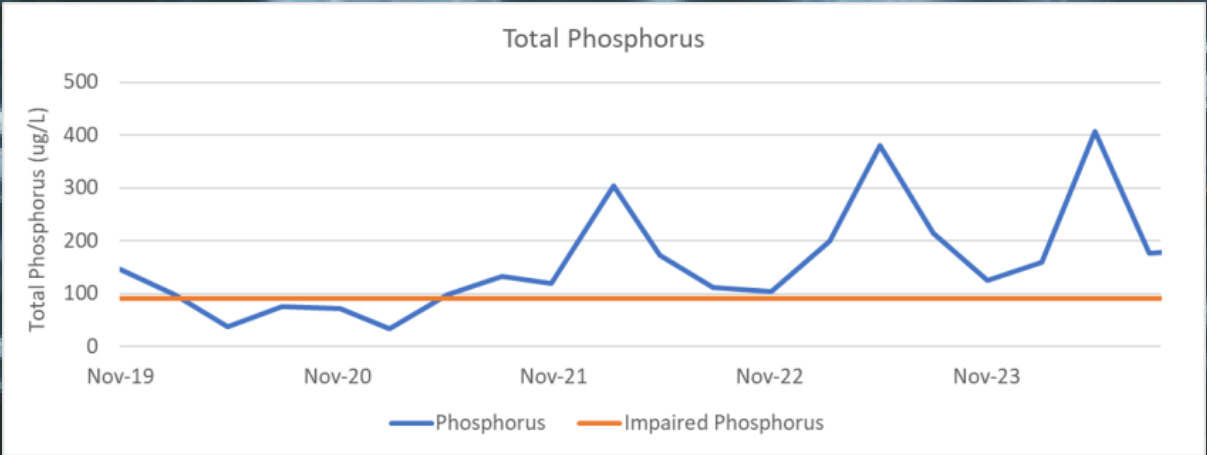
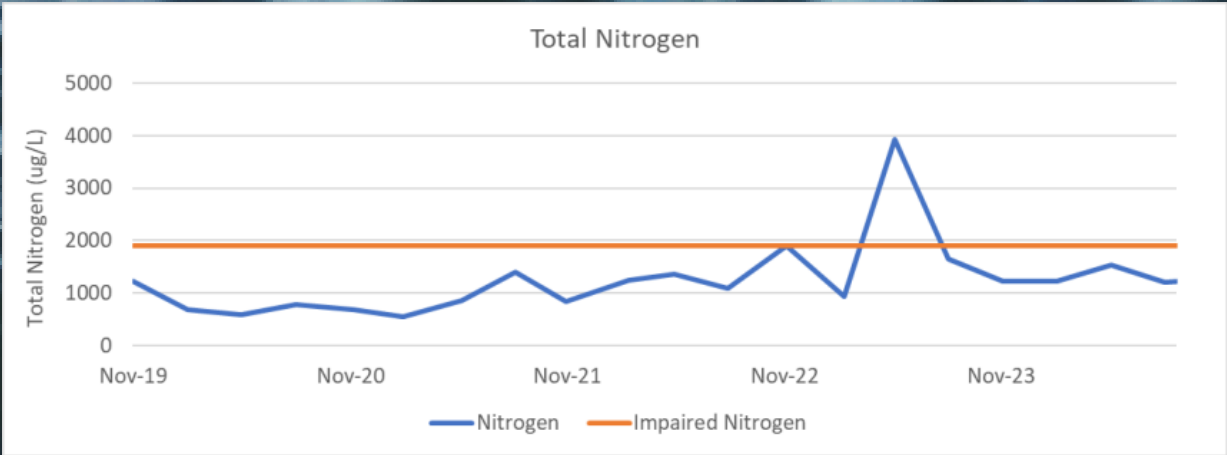
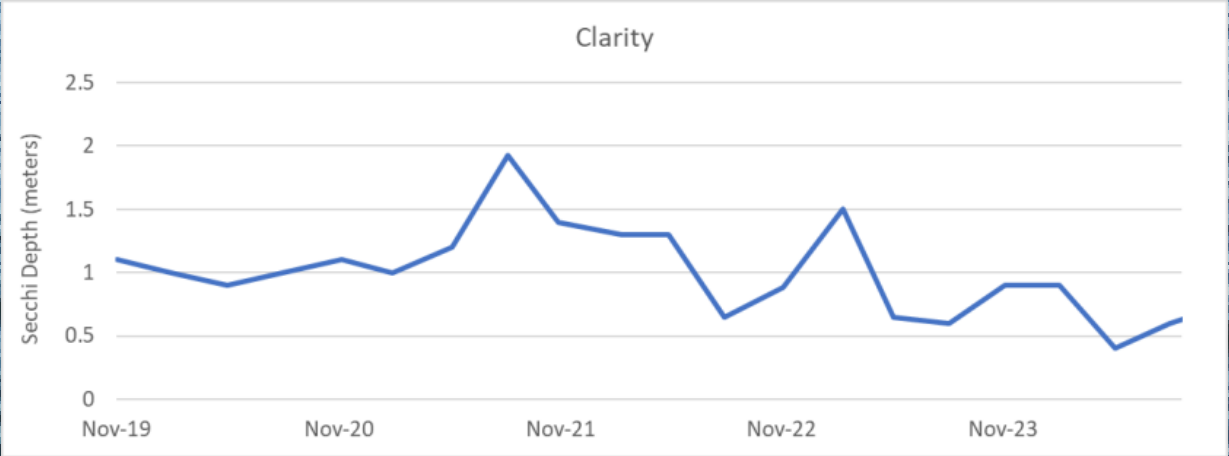
Lake Knowles



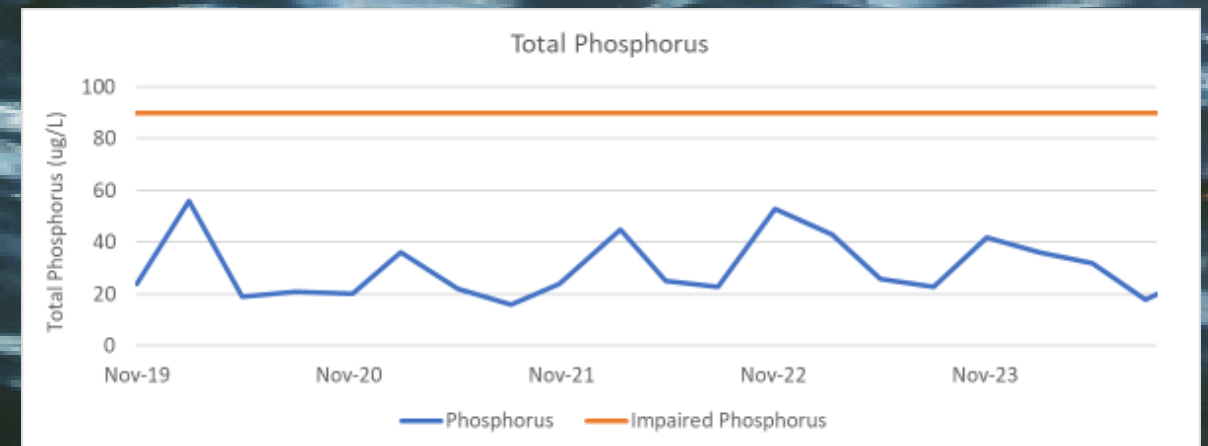
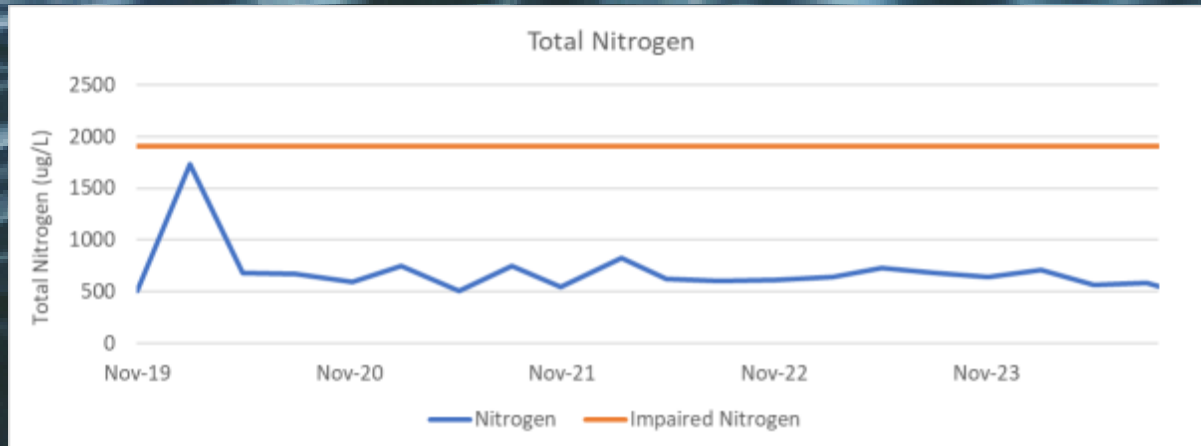
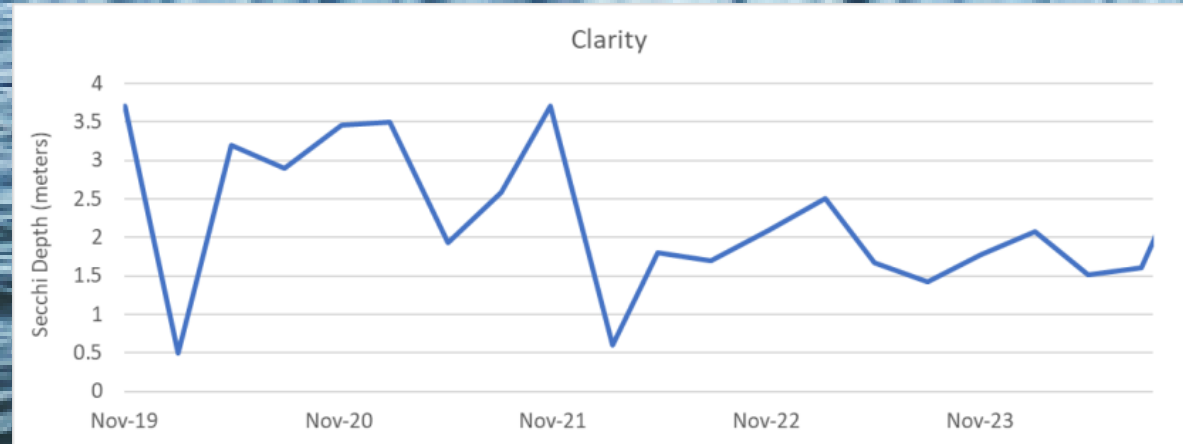
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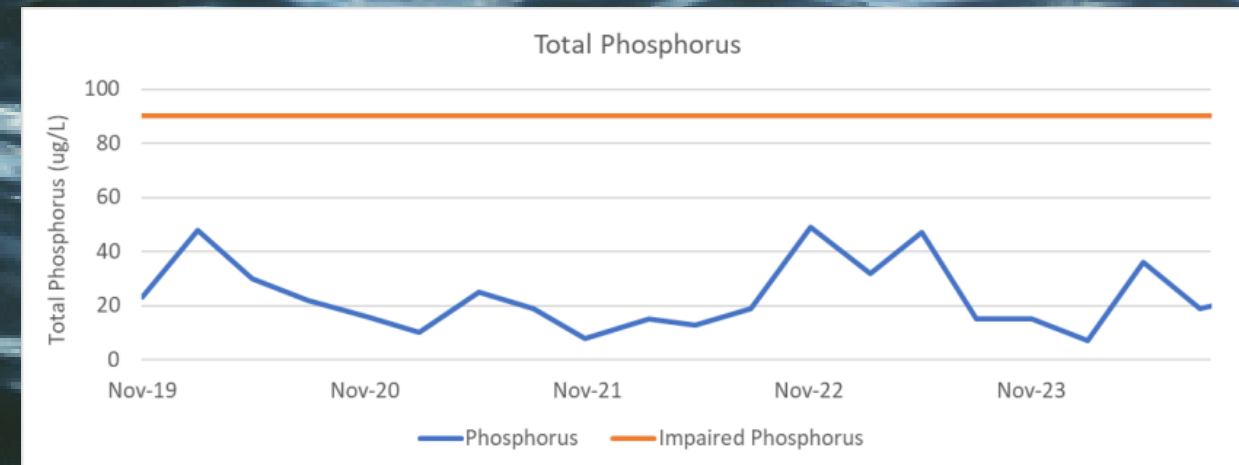
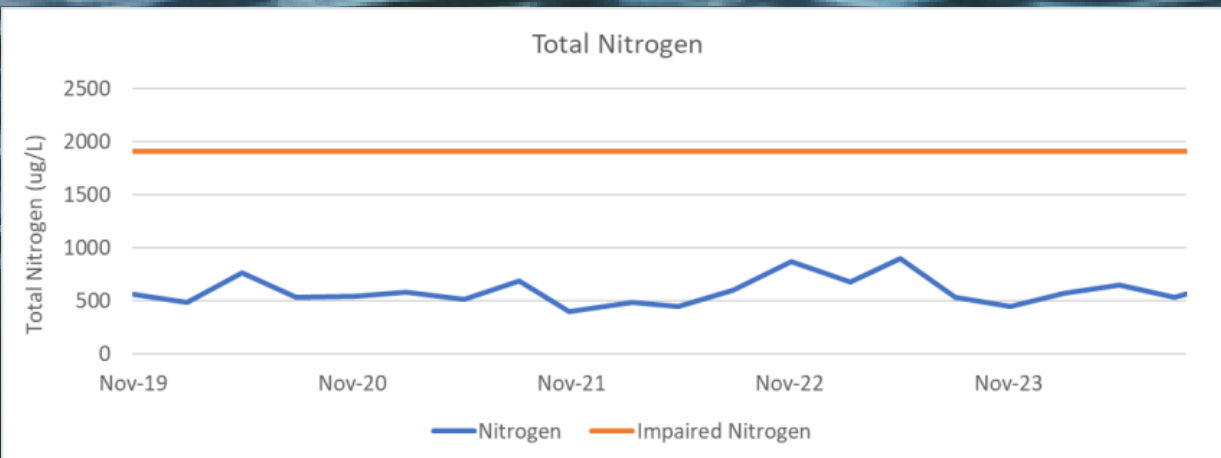
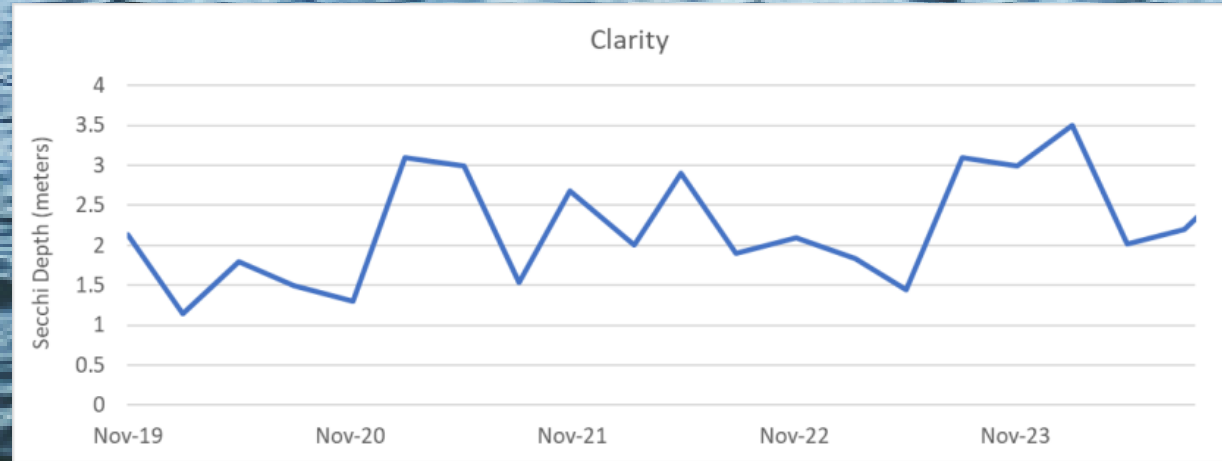
Lake Midget



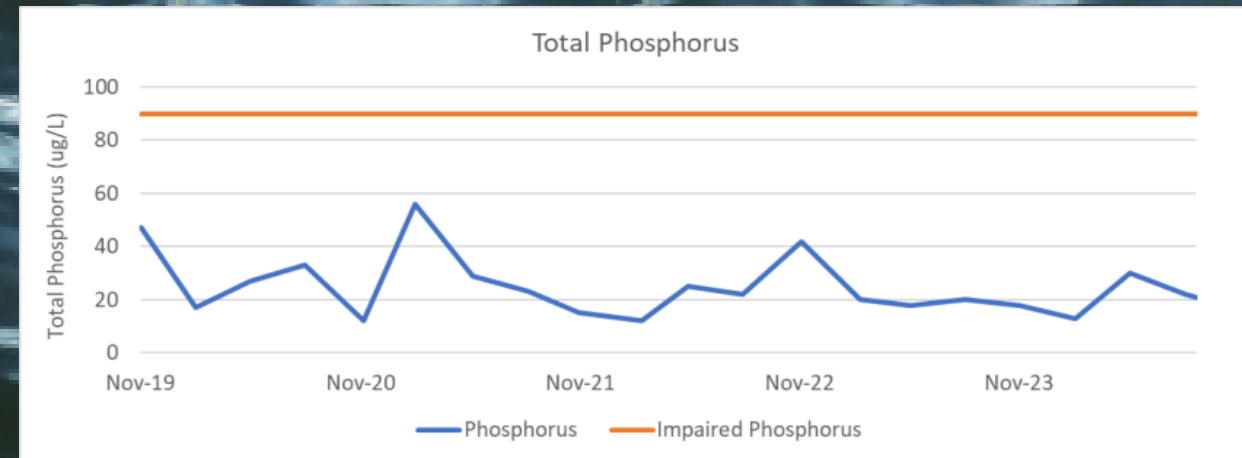
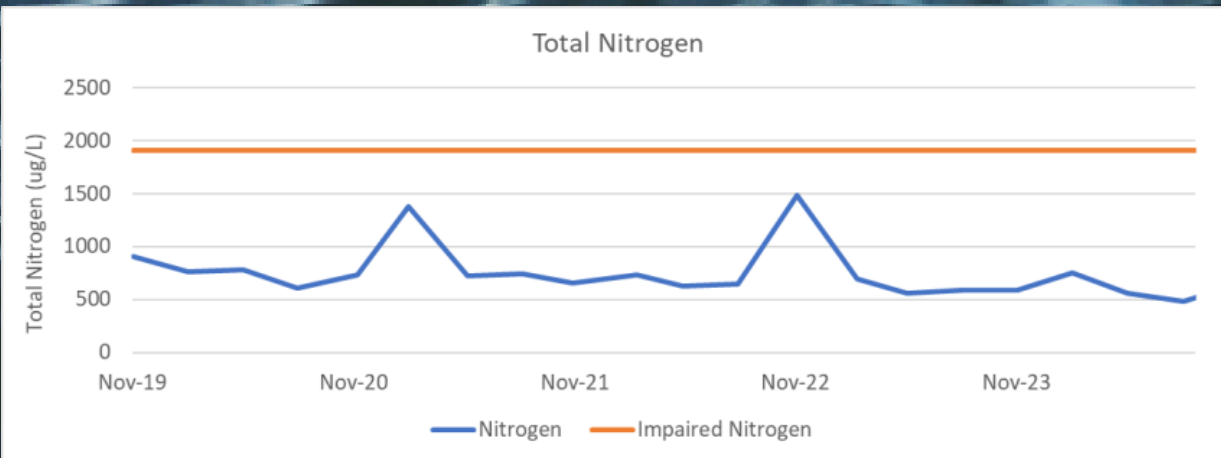
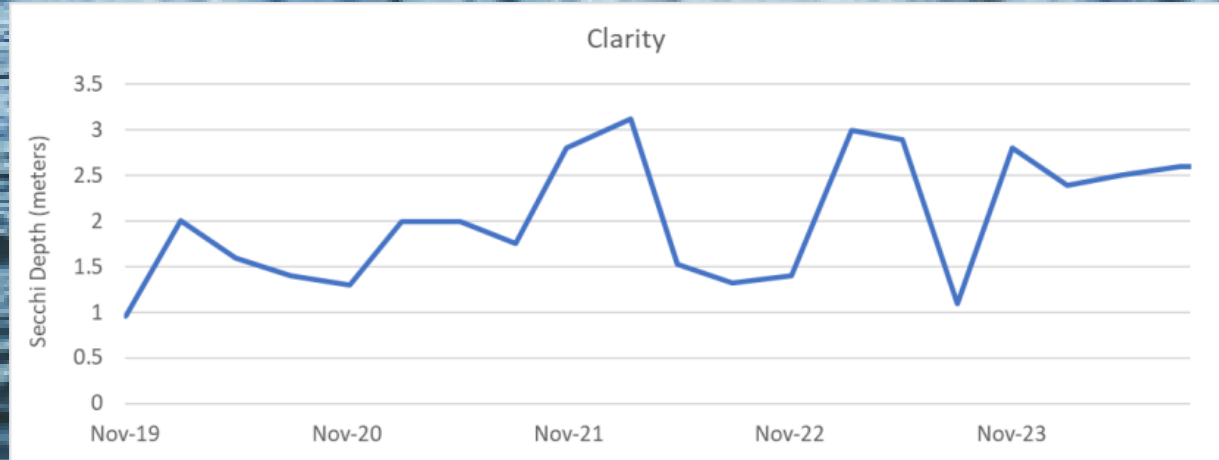
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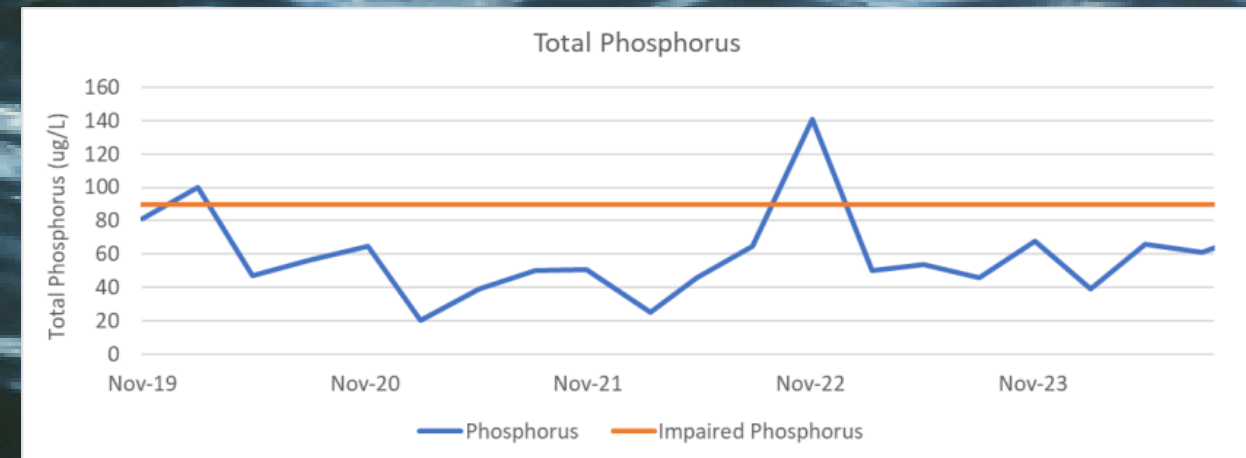
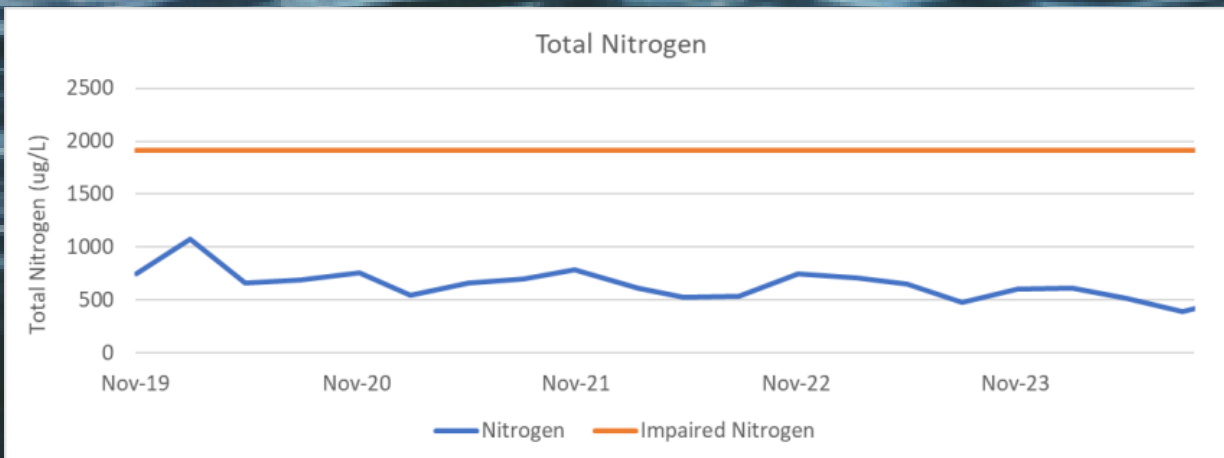
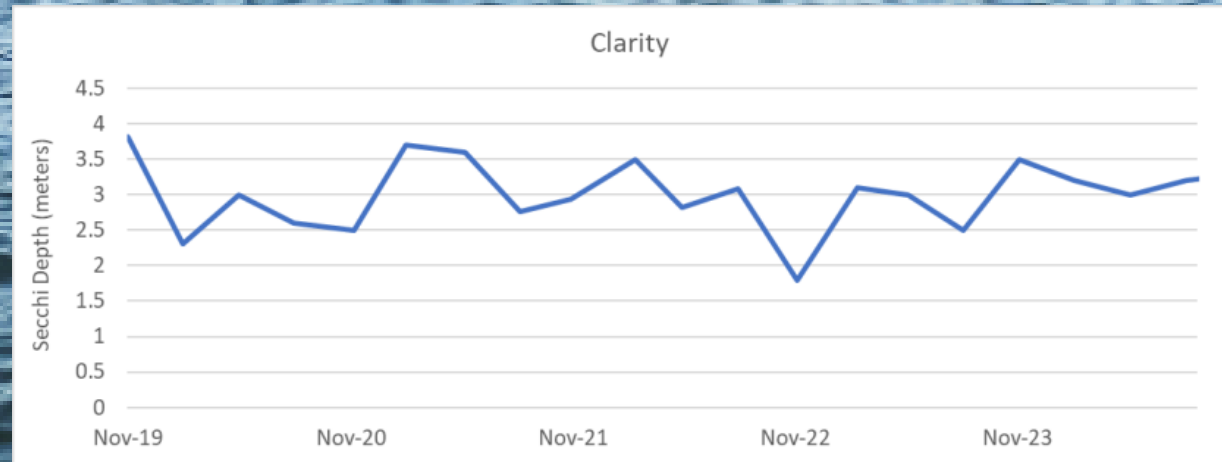
Lake Temple



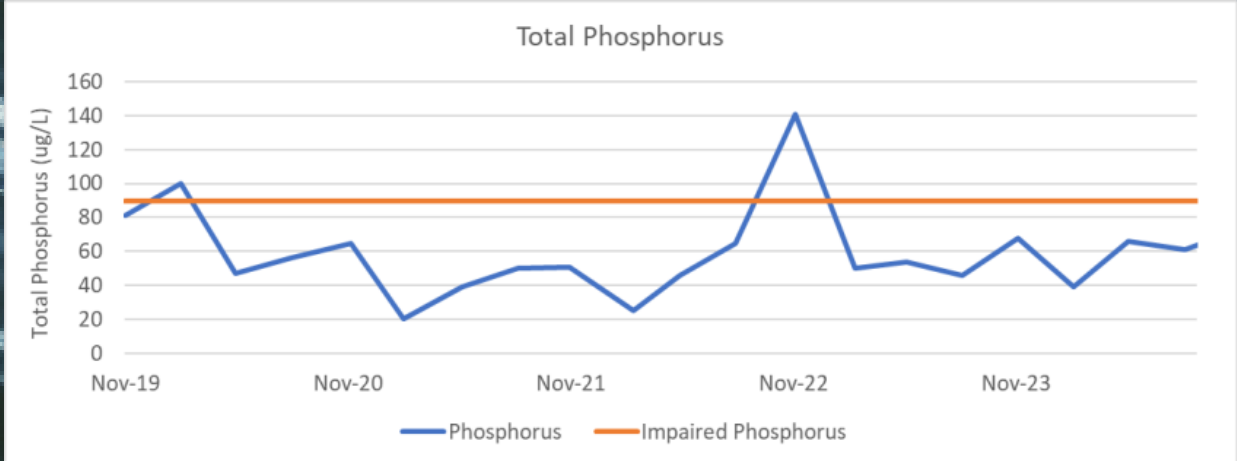
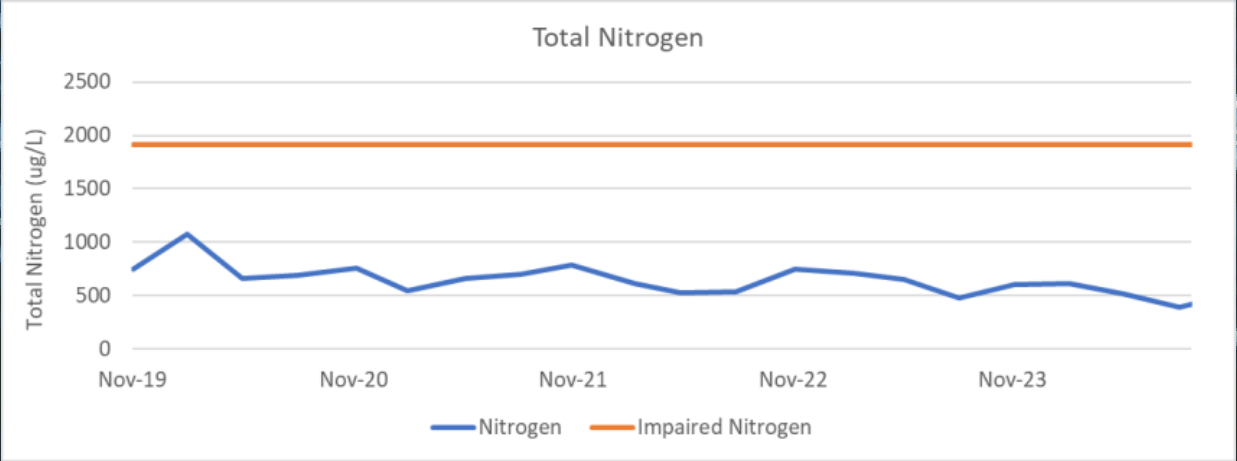
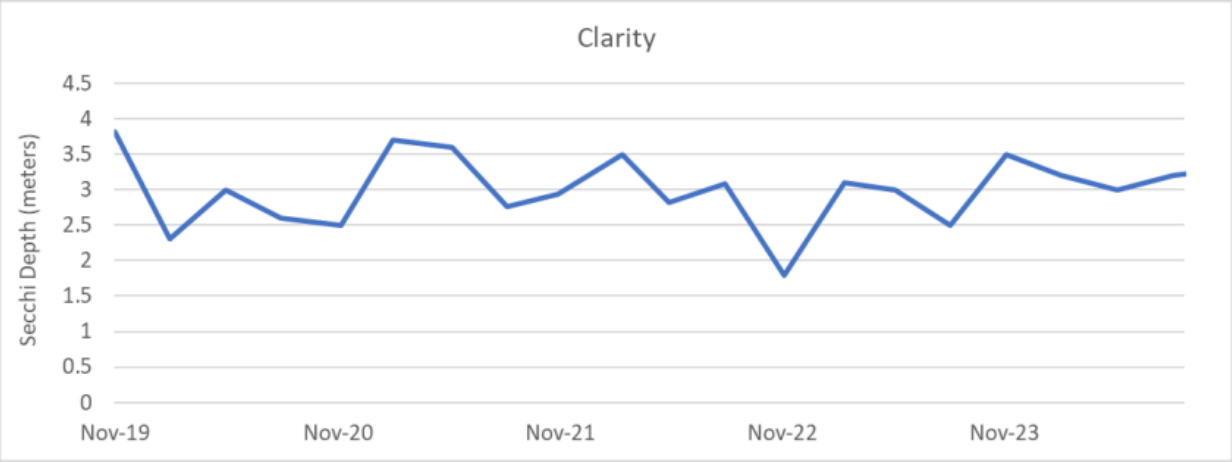
Lake Tuscany



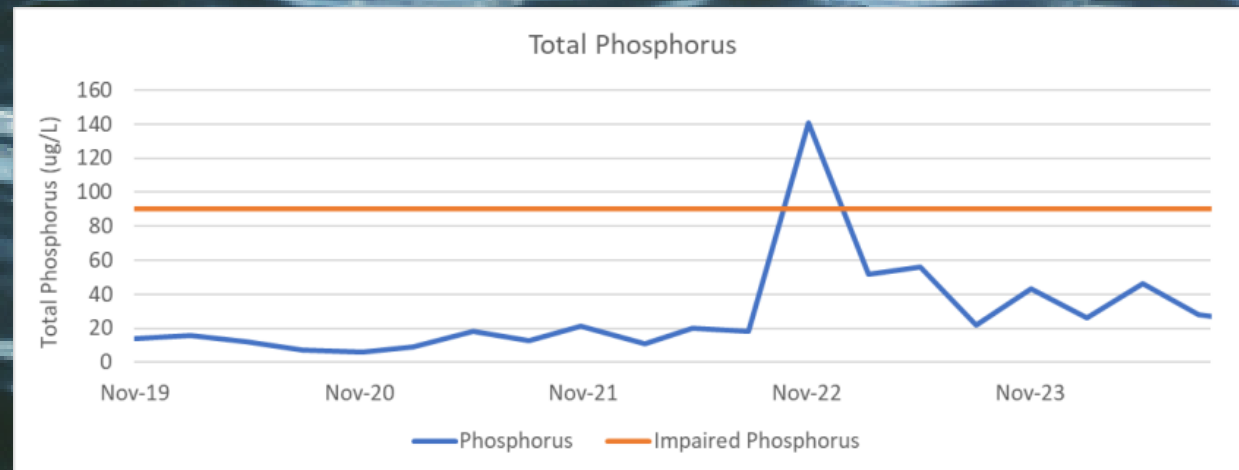
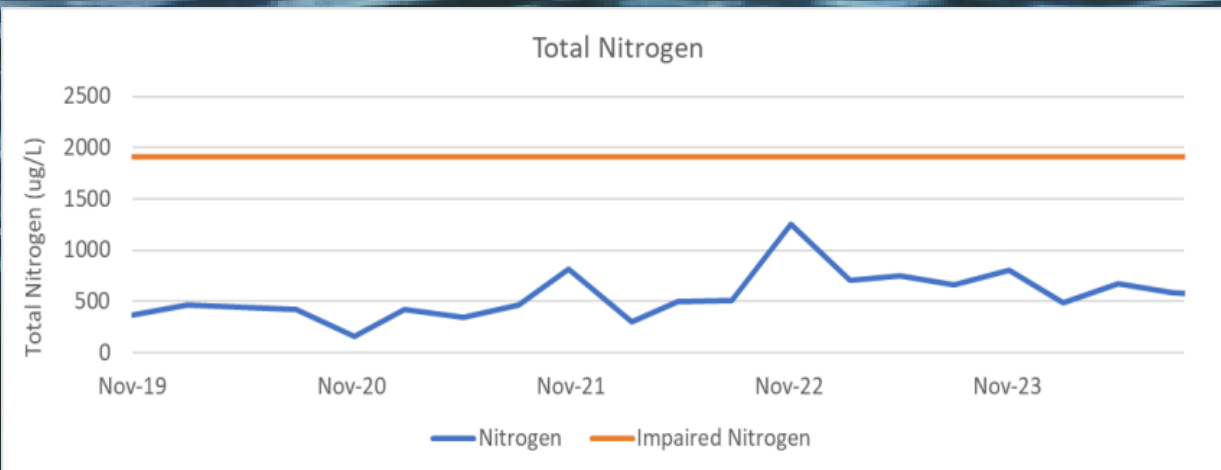
WPRC



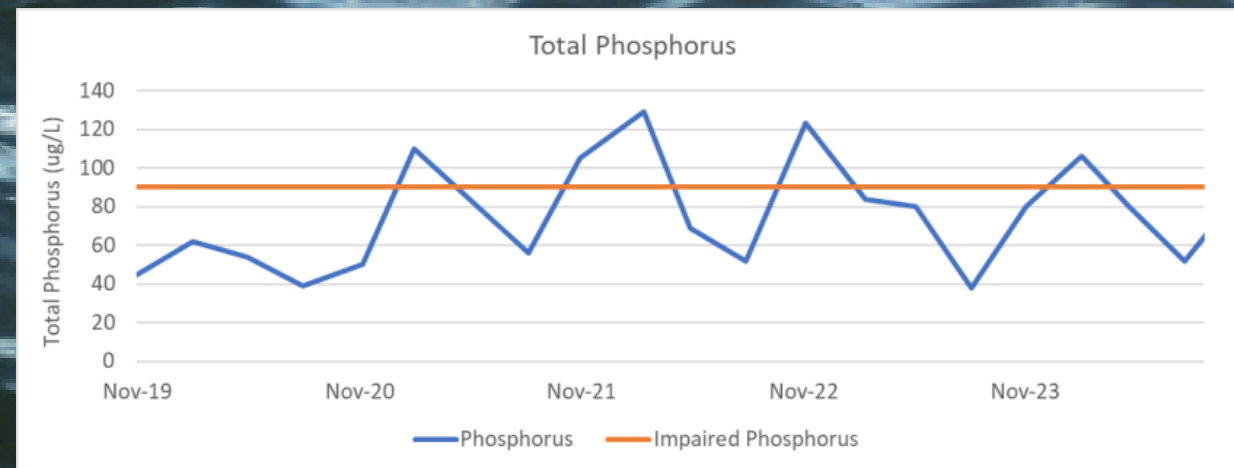
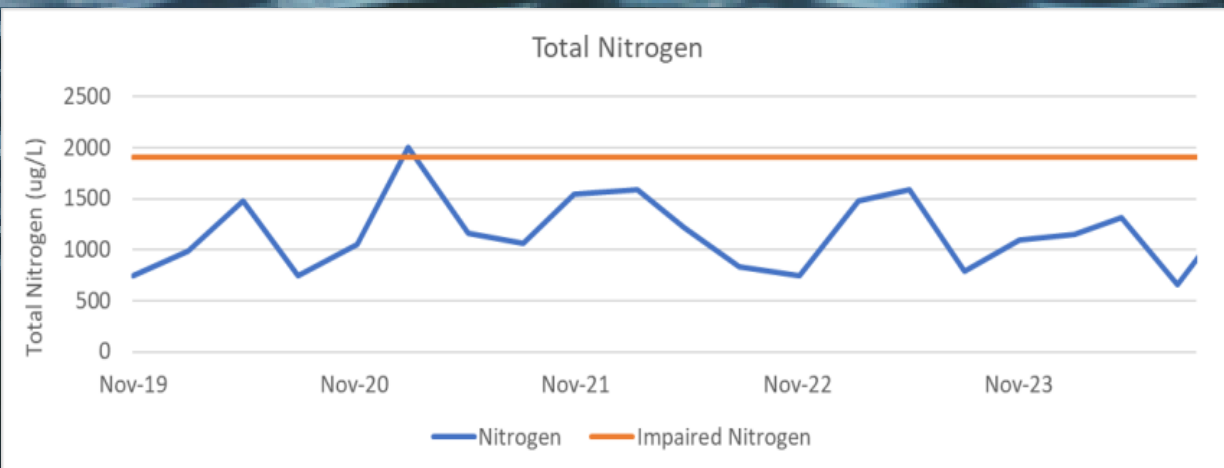
Lake Sylvan



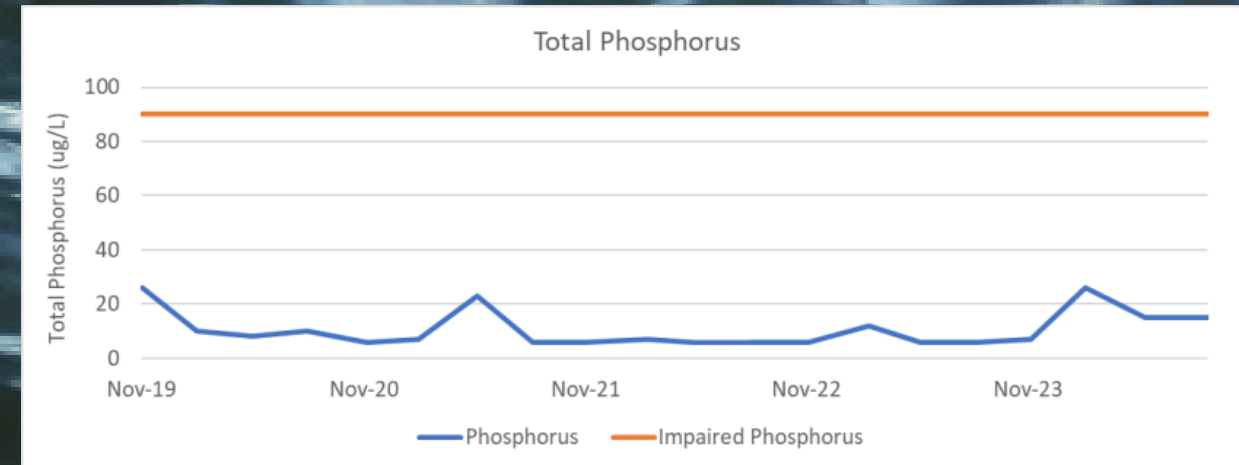
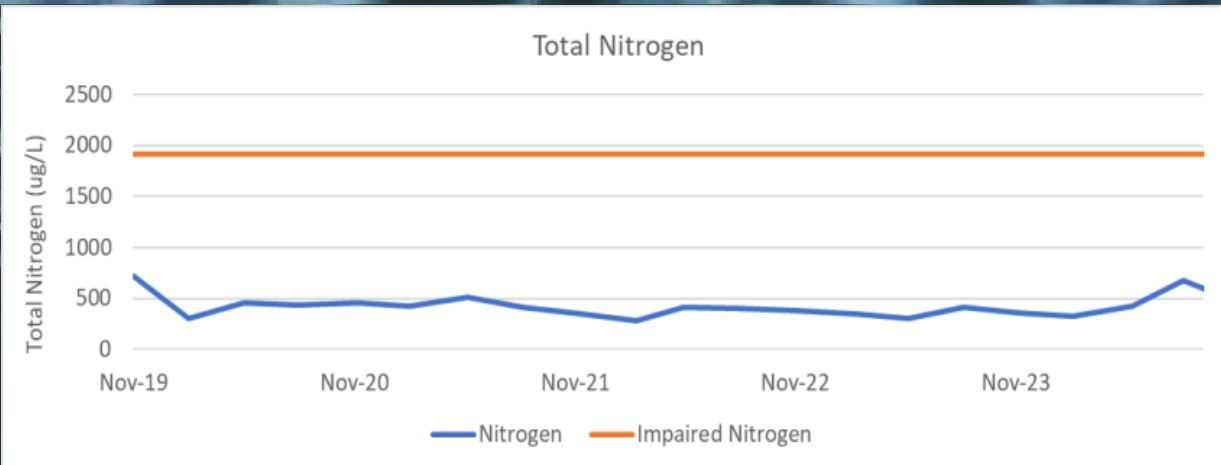
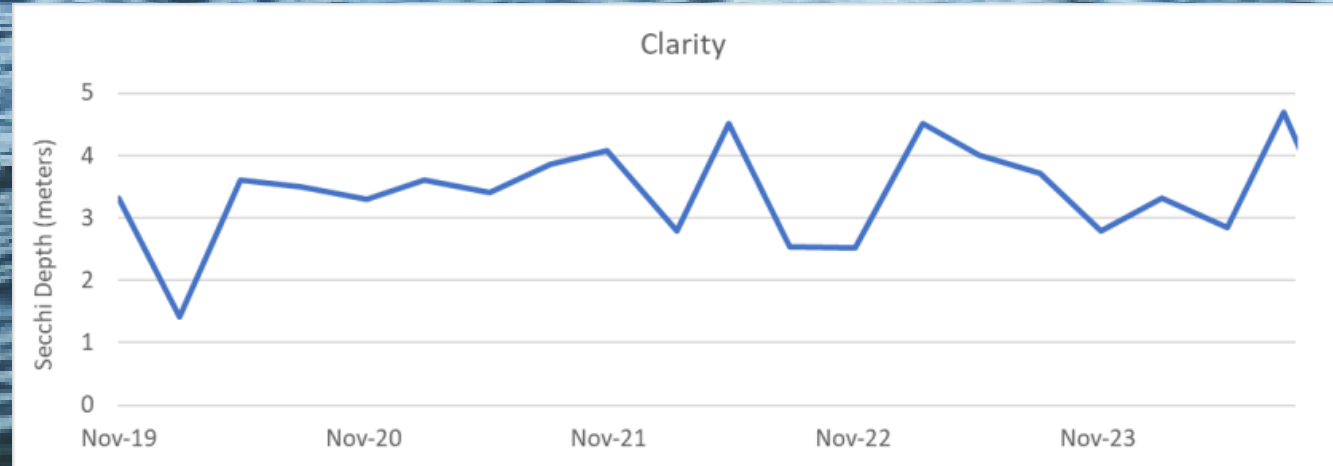
Lake Chelton



Lake Forest



Lake Spier



Plant of the Month

Arrowhead Vine (*Syngonium podophyllum*)



Plant of the Month

Arrowhead Vine (*Syngonium podophyllum*)



Copyright © 2016 by Tiffany
<http://garden.org/users/prolife/purplemopp/>



Native to Central and South America -
Range from Mexico to Ecuador

Characteristics: A vine plant that can reach 10 meters in height or densely cover the ground. Juvenile leaves will start as one leaf on a stem. As it matures this one leaf separates into 3 then 5 separate leaves. Color can vary with dark green to green with white variegation. The top of the leaf is darker than the underside.

Intriguing Facts:

- Arrowhead vine can recover from cuttings. Placing vine cuttings in bags before discarding them is highly recommended.
- The sap from the vine can be an irritant.
- Complete ground cover can eliminate small growing native plants from thriving.



Lakes & Waterways Board

agenda item 7.c

item type

Staff Updates

meeting date

March 11, 2025

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Upcoming Events

- Orange County Lake Killarney Advisory Board Meeting - 3/13 5pm @ Public Safety Building (500 N Virginia Ave.)
- Weed Wrangle - 3/15 9a @ Mead Gardens
- Shoreline Restoration - 3/22 9am @ Lake Berry
- Candlelight Yoga - 3/22 7pm @ Mead Garden
- The Great Duck Derby - 3/29 10am @ Mead Gardens

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

None



Lakes & Waterways Board

agenda item 7.d

item type

Staff Updates

meeting date

March 11, 2025

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Stormwater Management

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

1. SW Update 3.25

Stormwater Staff Update

Stormwater CIP – Fiscal Year 2025

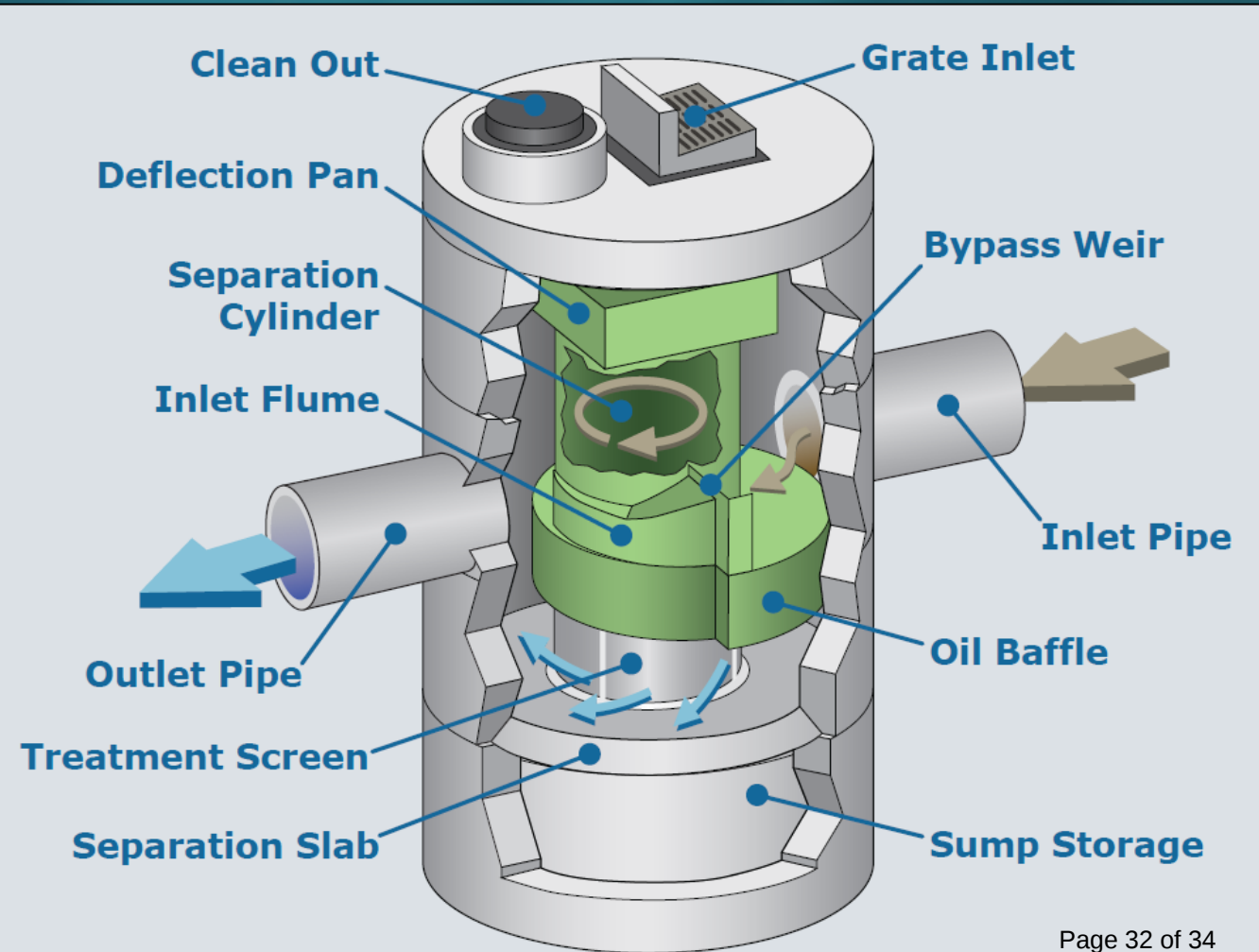
CIP Title & Description	Original Year Funded	Current Balance	Status/Comments
Drainage Improvements - Recent years of unusually heavy rainfall events have revealed several substandard drainage conditions in various locations throughout the City.	Annually Funded	\$56,172	Several in-house drainage improvements projects for 2023-24 - Completed replacement of 70ft of 24 inch RCP crossing Joeline Court, and 120ft of 18 inch HDPE at the north end of Laurel Road. Upcoming - add another inlet and pipe at 1622 Arbor Park Drive, increase pipe size at 1642 Arbor Park Drive, storm pipe replacement/relocate at 2601 & 2631 Temple Drive.
			1) <u>Stormwater Outfall Dredging</u> - The City recently entered a new contract, dredging on several stormwater outfalls started in Aug 2023, and will continue as needed.
			2) Shultz Ave Pipe Repair
			3) Cherokee Ave drainage improvements
			4) 1520 Summerland Pipe Repair
Seminole County Ditch Piping (along Arbor Park Dr) – Drainage ditch behind the homes along Arbor Park Drive has a shared drainage basin with Seminole County. Funding is provided for the design and construction to pipe the ditch.	2016	\$533,900	The Interlocal Agreement was approved by the City Commission and by the Seminole County Commission. 60% plans completed and submitted to Seminole County. Phase I permit application has been submitted to SJRWMD.
Stirling Bridge Replacement	2024	\$17,243	Updates required for price estimate.
Fawsett Road CDS Unit	2024	\$200,000	Postponed to after FY 25.
Killarney Dr - Drainage & Street Improvements	2025	\$256,097	Combine failing outfalls into one outfall, includes new inlets. Estimated start late March 2025.
Palmer Ave at Old England - Drainage Improvements-Phase 1	2025	\$250,000	Replacement outfall at Old England Ave, north of Palmer Ave. Includes new inlets.
Mayflower - Drainage Ditches Dredging	2025	\$170,000	Dredging of drainage ditches that begin at the Mayflower property to the north. To be paid by NRCS grant. Estimated start date April 2025.

Stormwater Management

Lakeview Dr CDS



Stormwater Management Lakeview Dr CDS





Lakes & Waterways Board

agenda item 8.a

item type

Board Comments

meeting date

March 11, 2025

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Discussion of Public Comments Received

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

None



Lakes & Waterways Board

agenda item 9.a

item type

Upcoming Agenda Items

meeting date

March 11, 2025

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Discussion of Upcoming Agenda Items

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

None