



Lake Killarney Board Regular Meeting

Agenda

November 2, 2022 @ 10:00 am

City Hall Commission Chambers

401 S. Park Ave

Winter Park, FL 32789

welcome

Agendas and all backup material supporting each agenda item are accessible via the city's website at cityofwinterpark.org/bpm and include virtual meeting instructions.

assistance & appeals

Persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office ([407-599-3277](tel:407-599-3277)) at least 48 hours in advance of the meeting.

"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 of Meeting Minutes October 10th, 2022](#) 2 Minutes
 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. [Update on variance authority for docks/boathouses/gazebos on Lake Killarney.](#) 10 minutes
 - b. [Hurricane Preparedness Plan - Lakes](#) 5 Minutes
 - c. [Hurricane Preparedness Plan - Streets](#) 5 Minutes
 - d. [FEMA CRS - Stormwater Update](#) 5 Minutes
 7. **Staff Updates**
 - a. [City Clerks Office Update](#) 10 Minutes
 - b. [Lakes Management](#) 10 Minutes
 - Sample Data
 - E. Coli Counts
 - Lake Killarney & The Cove Water Quality Graphs
 - Biobase Mapping
 - c. [Stormwater Update](#) 10 Minutes
 - FEMA CRS
 - Written hurricane preparedness plan
 8. **Board Comments**
 - a. [Discussion of Public Comments Received](#) 5 Minutes
 9. **Upcoming Agenda Items**
 - a. [Upcoming Agenda Items](#) 5 Minutes
 - b. [Summary of Meeting Actions](#) 5 Minutes

10. Adjournment



Lake Killarney Board

agenda item

item type	Consent Agenda	meeting date	November 2, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

Approve of Meeting Minutes October 10th, 2022

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[1005.22 Lake Killarney Board Meeting Minutes](#)



Lake Killarney Board Regular Minutes

October 5, 2022, at 10:00 a.m.

City Hall Commission Chambers
401 S. Park Ave. Winter Park

Present

Chair Jeanne Wall, Vice Chair William Voecks, Joyce Cunningham, Carolyn Minear, David Dickerson. Virtual: John Mitchell Absent: Jason Ellison. Also Present: Natural Resources & Sustainability Director Gloria Eby, Lakes Division Manager Joey Cordell, Assistant Director Public Works Don Marcotte, Public Works Engineer Shannon Monahan, Public Works Director Charles Ramdatt, Recording Secretary Victoria Tabor and Conrad Necrason, Vice President of Orange County Lake Killarney Board.

(1) Call to Order

Chair Wall called the meeting to order at 10:02 a.m.

(2) Consent Agenda

- a. Approve the meeting minutes from September 14, 2022.

Mrs. Wall asked the board members for comments or changes and Mrs. Cunningham only had one which was a word was missed spelt. Mrs. Wall distributed a copy of the minutes with her recommended changes, which she reviewed.

Motion made by Carolyn Minear, approve the consent agenda with changes submitted by Chair Wall seconded by Mrs. Cunningham. Motion passed unanimously with a 6-0 vote.

(3) Public Comments

Connie Brashier, from Pillar Engineering, explained that she is a (CFM) Certified Flood-Plain manager, and performs post-storm evaluations for significant structural damage. She encouraged the city to join CRS (Community Rating System) program. An in-depth discussion followed on the CRS program and how it could benefit the city during storm events. Ms. Brashier noted that becoming a member of the program is a lengthy process. Chair Wall suggested moving the discussion to board comments. The consensus was to reorganize the agenda to include the discussion with Ms. Brashier under board comments. No one else wished to speak, public comment was closed.

(4) Board Comments

Chair Wall asked Ms. Brashier to provide clarification on what funding the city could obtain by being a member of the CRS program. Mrs. Brashier reviewed the application process for accreditation and explained that one of the criteria is the city has to have adopted the current Florida building code. She added that there are specific document criteria for drainage structure maintenance and the city would need to renew its certification every year. Ms. Monahan noted that the city is actively looking a program similar to CRS.

Chair Wall suggested making a recommendation to the commission that the city hire someone to look into the stormwater structures on Lake Killarney and any of the lakes that flow into Lake Killarney to provide a report on the conditions of the stormwater systems.

Discussion followed on the adjustment of the weirs. Mr. Marcotte explained that the weirs are at a fixed elevation and only the SJRWMD (St. Johns River Water Management District) can adjust them.

Mr. Necrason noted that he corresponded with staff regarding the six drain wells at Lake Killarney prior to the hurricane and staff responded quickly to prepare for the storm. He added that he took pictures of the water levels before, during, and after the storm at his home. Discussion continued on the maintenance of the drain wells. After discussion, Chair Wall noted that it is the role of the board to make recommendations to the commission.

Motion made by Chair Wall to add a discussion of the CRS program to the November meeting agenda, seconded by Bill Voecks. Motion carried unanimously with a 6-0 vote.

(5) Public Hearings

No public hearings

(6) Action Items

No Action Items

(7) Non-Action Items

Non-Action Items will be discussed during Staff Updates.

(8) Staff Updates

Lakes Management -

Mr. Cordell informed the board on the treatments done on Lake Killarney and the cove in the past month. The team treated the increased hydrilla on Killarney, removed floating eelgrass in the canal and cove, and coordinated with Orange County regarding the pondweed expanding. Staff will provide a water quality report at the November meeting.

Mr. Cordell reported that post-storm, staff has been sampling weekly for E. Coli and bi-weekly for fecal coliform in four locations on the lake, one in the cove and three in the main part of the lake, October 4th was the first round of testing and at that time results were pending. The lakes will remain closed until further notice, reopening the lakes will depend on recovery, contamination, and water levels. Staff will provide a citywide update once test results have been received.

Mr. Zusi spoke about the lift stations that were down during the storm. A third of the stations were out initially and staff reacted quickly to resolve the issue by providing generators at the stations to keep them working. He reviewed pre and post-storm preparation tasks and stated that the water system had been updated since hurricane Charlie, Jean, and Francis. He added that the wastewater systems were working to their top capacity to keep up with water flow and explained how a hydraulic lift station works. He gave an update on the lift station that failed at the Lakeside Plaza and stated that staff is evaluating next steps as this is a private lift station.

Stormwater Management

Mr. Marcotte showed the board an illustration of the elevation of the current water level for Lake Killarney and where the levels should be as well as water levels for different locations in the city. He spoke on how severe flooding was during and after the storm.

Ms. Monahan provided an update on the following:

- Pipe inspection for Killarney Estates during dry season: No update at this time.
- Killarney Drive street condition inspection: Will update November meeting.
- Update from Killarney Estates property manager: The property manager hasn't responded to Ms. Monahan. Staff will work to provide an update for the November meeting.
- Inspection reports for the exfiltration system at the Lakeside Plaza: With property management and ownership the reports were not conducted. The plaza is now working on obtaining a contract with Frank Gay
- As-Built for the stormwater system for the event center and library: This item is pending. Mr. Marcotte noted that there may be a delay due to adjustments.
- Dry Cleaner on 17-92: DEP is working with the property owners about soil remediation as some contaminants were discovered.

Mrs. Joyce Cunningham left the meeting at 12:11 p.m.

(9) Upcoming Agenda Items

Chair Wall asked that the request about the lift station at Lake Side Plaza stated in the minutes for record. The follow documents were not available: - Lakeside Lift Station Operation Maintenance Plan, Lakeside Plaza management records for 3 years, city inspections of private lift stations, and the contract between the Lakeside Plaza and maintenance company. Mrs. Volpe from Orange County noted that her department assisted with post-storm-related issues and how they directed residents to the right department.

Mrs. Wall asked staff if there was a written hurricane plan for the departments. Mrs. Wall made a motion to have staff, as an action plan, to bring to the board next meeting the written hurricane plans for the department seconded by Mr. Voecks. Passed unanimously.

Before the meeting adjourned Mr. Charles Ramdatt introduced himself and gave the board a brief background on his past experience.

(10) Adjournment

Meeting adjourned at 12:23 p.m.

The next meeting is scheduled for Wednesday, November 2nd, 2022 at 10:00 am in the City Hall Commission Chambers.



item type Non-Action Items	meeting date November 2, 2022
prepared by Jeffrey Briggs	approved by
board approval	
strategic objective	

subject

Update on variance authority for docks/boathouses/gazebos on Lake Killarney.

motion / recommendation

Information item only. No action is requested.

background

At the direction of the City Commission, in order to remove duplication and overlap between city boards, the variance authority for waterfront docks, boathouses and gazebos on Lake Killarney is being transferred from the Board of Zoning Adjustment (BZA) to the Lake Killarney Board.

The Lake Killarney Board now has total 100% approval/denial power over dock/boathouse/gazebo applications including any with variances requested. As an example, someone asks to build a foot taller than code. If the Lake Killarney Advisory Board says "NO", then the answer is "NO"! It doesn't matter if they were to get a variance approved by BZA. The answer is still NO. However, under the current arrangement, If the Lake Killarney Advisory Board says "YES" then that request still needs to go to another meeting with BZA for them to also say "YES".

The reality (in practice) is that the BZA always trusts the judgment of the Lake Killarney Board in making their decision, including any conditions attached thereto. If the Lake Killarney Board denies the request due to the variance, then the BZA can't over-ride that decision. If the Lake Killarney Board approves with the variance, then the BZA never second guesses the Lake Killarney Board. The applicants can't understand why if they go to the Lake Killarney Board and are granted an approval, inclusive of a variance, why it needs to be approved a second time by the BZA. It creates unnecessary work for staff in providing mailed notices, agenda preparation, minutes, etc. for the exact same request.

alternatives / other considerations

fiscal impact



Lake Killarney Board

agenda item

item type	Non-Action Items	meeting date	November 2, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

Hurricane Preparedness Plan - Lakes

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

Hurricane Emergency Plan - Lakes

Hurricane Emergency Plan

Lakes Division

City of Winter Park, Florida

This plan summarizes the Lakes Division emergency response plan for hurricanes. Responsibilities include preparation, response, and recovery for protecting city residents, businesses, and properties from flooding, **stormwater drainage concerns**, and downed trees. Recreational use of lakes will be allowed once it is determined that safe boating activities can resume without potential damage to private property or the danger of colliding with submerged storm debris.

Lakes Division Main Contacts for Storm:

- Joey Cordell 407.576.2332 (work cell)
- Mike Ruby 321.303.3767 (work cell)

Prior to Storm:

- All boats, vehicles, and gas cans filled.
- Clear all ditches, canals, carp barriers and drainwells.
- Open retention pond at Lake Forest to drain over spillway in to lake.
- Coordinate with WPPD and Communications about closures of Dinky Dock Boat Ramp and canals on the Winter Park Chain of Lakes.
- Start every piece of equipment.
- Clean and remove all debris from work vehicles.
- Clamshell are ready and operational.
- Secure barges at Kraft Gardens.
- Move all Lakes Division supplies into boathouse or break room area (buoys, etc.)
- Test all chainsaws and make sure that PPE is in good condition.
- Each driver should have PPE IN work vehicle prior to storm.

Schedules and Personnel:

When EOC is activated:

- Lakes Division staff does not have a role at EOC
- ALL Lakes Division staff will report as soon as they can following the storm and safe transportation is possible as essential personnel.

Post-Storm Response Priorities:

- Assist WPPD, WPPD, and Forestry with clearing of trees for emergency transit.
- Clear all ditches and canals.
- Assess lakes/ponds for debris that poses a hazard or contributes to flooding.

Lakes Division Equipment:

Vehicle/Vessel #:	Description	Notes
7291	Ford F250	Mike
7307	Ford F250	Dan
4832	Chevrolet 2500	Joey
7300	Chevrolet 2500HD	Lift gate – Rodney
8560	Clamshell	
7324	Argo 8x8	Amphibious vehicle
7301	Barge/pontoon	Docked at Kraft Gardens
7225	Big airboat/silver	Seats 3
7313	Mako outboard	Seats 5-6
2215, 7303, 7287	Jon boat	2 tiller steer, 1 steering wheel
7325	Canoe	
8 chainsaws		
2 pole saws		

Lakes Division Staff:

- Joey Cordell
- Mike Ruby
- Rod Blackstone
- Dan Stirman
- Brad Campbell
- Rob Cochran
- Dell Massie



Lake Killarney Board

agenda item

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Hurricane Preparedness Plan - Streets

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[Hurricane_Preparedness_Plan_-_Streets.pdf](#)

Hurricane Preparedness Plan

Streets Division City of Winter Park Florida

The purpose of this plan is to cover all preparations taken by this division to (1) minimize the effects upon the resident population caused by a natural disaster, (2) to deal with the immediate emergency conditions which would be created by such disaster, and (3) to effectuate emergency repairs to, or emergency restorations of, storm water drainage utilities, streets and right of ways, and facilities destroyed or damaged by any such disaster.

This is the City of Winter Park Streets Division Plan.

Main contacts for the division:

1. **Kory LeBouef** : 407-304-8397
2. **Joe Newman** : 321-303-0927
3. **Justin Falk** : 407-641-6901
4. **Cliff Mullins** : 407-641-6936
5. **Rolando Flores** : 305-781-5869
6. **Jack Hartley** : 407-739-5639 *For Traffic Signal Issues*

THINGS TO HAPPEN BEFORE THE STORM 48 to 72 HOURS PRIOR

1. Test and service all emergency equipment, Flashlights with good batteries / battery powered weather band radio in working order.
2. All gas cans available will be filled.
3. All portable Diesel tanks will be fueled up and ready to go into the field.
4. Generators will be tested and fueled for intersections with lost power.
5. Chainsaws will be tested and sharpened with mixed gas in cans ready to go.
6. Setup Sandbags distribution stations at Showalter Field. A Maximum of 8 bags per household will be given to WP Residents only and if needed other staged areas such as Mead Gardens, if possible. Each site will be manned by (TBD) City Personnel. WP Police department will also be contacted for support.
7. Contact Public Relations with information about the schedule for Sandbag distribution to City Residents.
8. Make sure all Storm drains and retrofits are clean and clear of debris.
9. Contact equipment vendors to secure rental agreements on additional Pumps, Loaders, Vector trucks, etc.

THINGS TO HAPPEN BEFORE THE STORM **36 HOURS PRIOR**

1. Secure all Job sites and ensure proper erosion control is in place. Insure any loose materials and equipment such as barricades, signs, etc., which could be picked up by heavy winds, is secured and tied down.

THINGS TO HAPPEN BEFORE THE STORM **24 HOURS PRIOR**

1. Stage Heavy Equipment used to clear debris in strategic area around the City for quick response to major roadways.
 - a. ***Public Safety Compound (Virginia Ave.) NW area***
 - b. ***Fire Station # 62 (Lakemont Ave.) SE area***
 - c. ***City Lot @ Denning Drive & Palmetto Ave. SW area***
 - d. ***Public Works Compound (Howell Branch Rd.) NE area***
2. Verify staff / Response Teams & support that will be at Central to cover the scheduled shifts.
3. Fuel all Vehicles.
4. Load Barricades on each field truck with log books to track where barricades are installed and why.
5. Have a general safety meeting before the storm. Cover Safety procedures, response protocols, return to work procedures. And documentation needed to keep track of time & materials for possible FEMA purposes.
6. Have generator in place for our division facility.

Response Team Lists with phone #'s

Streets Division response teams will be bases at the Public Works facility, Streets division building prior to the event. Team leaders will be responsible for reporting to the EOC, Public Works Director, or Storm Water Engineer, and Emergency response director, coordinating efforts with the response teams. This division will adhere to the Police & Fire policy of non response during the actual event, unless it is an extreme and dire emergency.

EOC

1. ***Response Team*** Cliff Mullins:407-641-6936 [REDACTED]
2. Brandon Ash : 321-303-0821 [REDACTED]
3. Kyle Claypool : 407-641-6899 [REDACTED]
4. Donald Clarke : 407-641-6918 [REDACTED]
5. Sean Gaines : 407-641-6928 [REDACTED]

Traffic Signals

1. ***Jack Hartley*** : 407-739-5639
2. ***Felix Raudales*** : 407-641-6905

Mot's, Signs & Traffic Control

1. ***Greg Reid*** : 407 212-8792
2. John Curry : 407-641-6933 [REDACTED]

Priorities of the response team will be:

1. Assist Police and Fire Dept. with priority calls first, clearing main roadways of trees and debris
2. Clear all storm drains in low line areas, and possible flood zones, (Request VacCon assistance from Utilities, and possible by pass pumps if needed) Also coordinate with Lakes division for support.
3. Insure that all signalized intersections are in operational order, especially on the major arteries throughout the city.
4. Assist Electric Utilities with clearing roads and access ways.
5. Assist Utilities with water main breaks and repairs
6. Clearing secondary roadways of trees and debris
7. Assist Urban Forestry division as needed.

Storm Damage Assessment:

Initial response assessments will be performed by the lead person on the scheduled response Teams; this would include the Foreman's, Signal Technician, and Sign Technicians. The major Assessments will be done by the Division Manager, Assistant Manager & the Division Supervisors, after the main portion of the event has passed through the area, and Police and Fire has given clearance to limited vehicular traffic. They will be responsible for documenting all storm related damages to city properties and right of ways, and communicating the extent of the damages to the EOC, Public Works Director, and city Manager.

Updated 5/04/20 LDS

Traffic Signal assessments will be performed by the Traffic Signal Technician (Jack Hartley) who will determine if repairs can be made efficiently in house or by use of our current Signal Contractor on file.

Streets Equipment

Aquatech Vactor # 7011

Volvo Wheeled Excavator # 7097

JD 544H Front-End Loader # 7053

JD 410J Backhoe /Loader # 7069

JD 410 Backhoe /Loader # 7074

Volvo Mini-Loader # 7115

Volvo Skid Loader # 5342

JD Track Skid Loader # 7119

2 Tandem Dump Trucks # 7127 & 7079

1 Debris / Leaf Truck # 8559

3 Flat Bed Crew Trucks # 7122, 7128, 7130



Lake Killarney
Board

agenda item

item type	Non-Action Items	meeting date	November 2, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

FEMA CRS - Stormwater Update

motion / recommendation

background

alternatives / other considerations

fiscal impact



Lake Killarney Board

agenda item

item type	Staff Updates	meeting date	November 2, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

City Clerks Office Update

motion / recommendation

background

alternatives / other considerations

fiscal impact



item type Staff Updates	meeting date November 2, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Lakes Management

item list

- Sample Data
- E. Coli Counts
- Lake Killarney & The Cove Water Quality Graphs
- Biobase Mapping

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[Killarney Lakes Update 11.2022](#)

LAKE UPDATE:

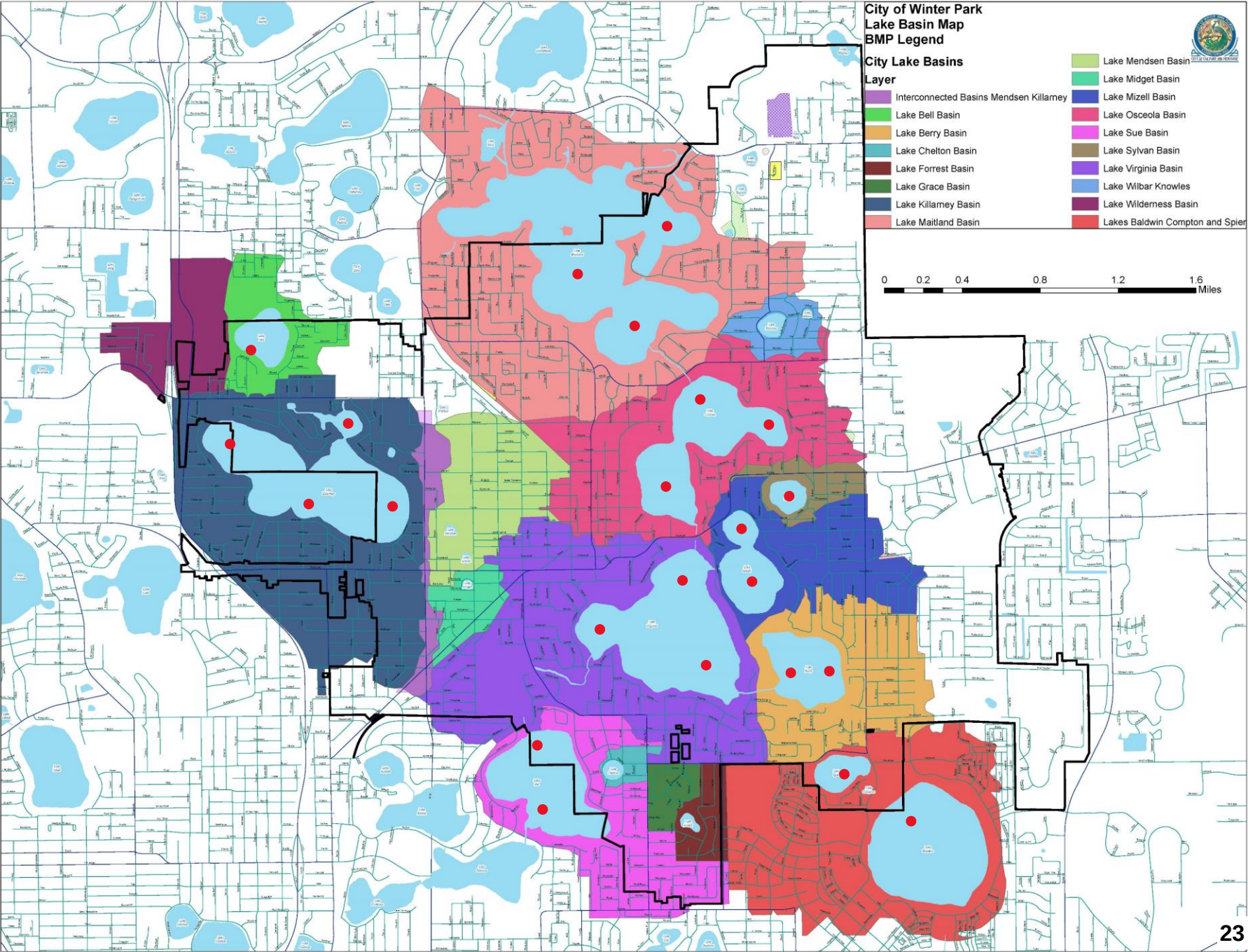
- Postponed Hydrilla and Pondweed treatments to be executed
- Floating material removal 10/25 – 800gal
- Post storm and current maintenance
 - Twice daily maintenance of drainwells and carp barriers- 2 weeks following storm
 - Daily maintenance of drainwells and carp barriers- Third week following storm
 - Weekly maintenance of drainwells and carp barriers- Current
- Storm related Fecal Coliform/ E Coli.
- Water Quality
 - July/August Added
 - No October Sampling due to storm
- Biobase mapping
 - Percent Area Coverage: 65%
 - Percent Average Biovolume (plant): 26%
 - Percent Average Biovolume (all water): 17%



Sample Date: 10-04-2022

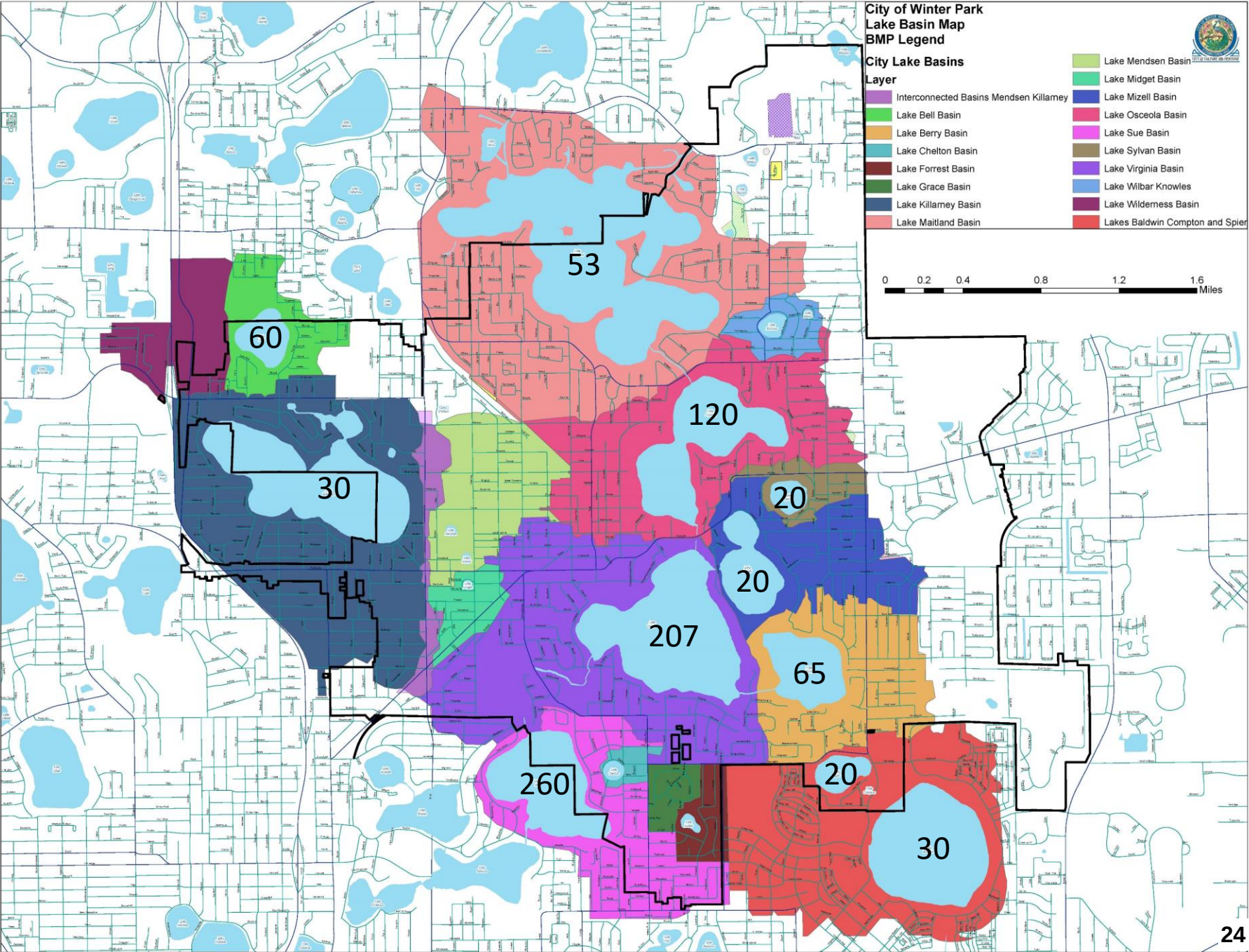
● Sample Sites

	Fecal Coliform
Baldwin	30 CFU
Bell	60
Berry E	80
Berry W	50
Killarney E	10
Killarney N	40
Killarney S	50
Killarney W	20
Maitland E	20
Maitland S	120
Maitland W	20
Mizel N	40
Mizel S	<1
Osceola E	140
Osceola N	120
Osceola S	100
Spier	20
Sue N	130
Sue S	390
Sylvan	20
Virginia N	260
Virginia S	140
Virginia W	220



Sample Date 10-04-2022

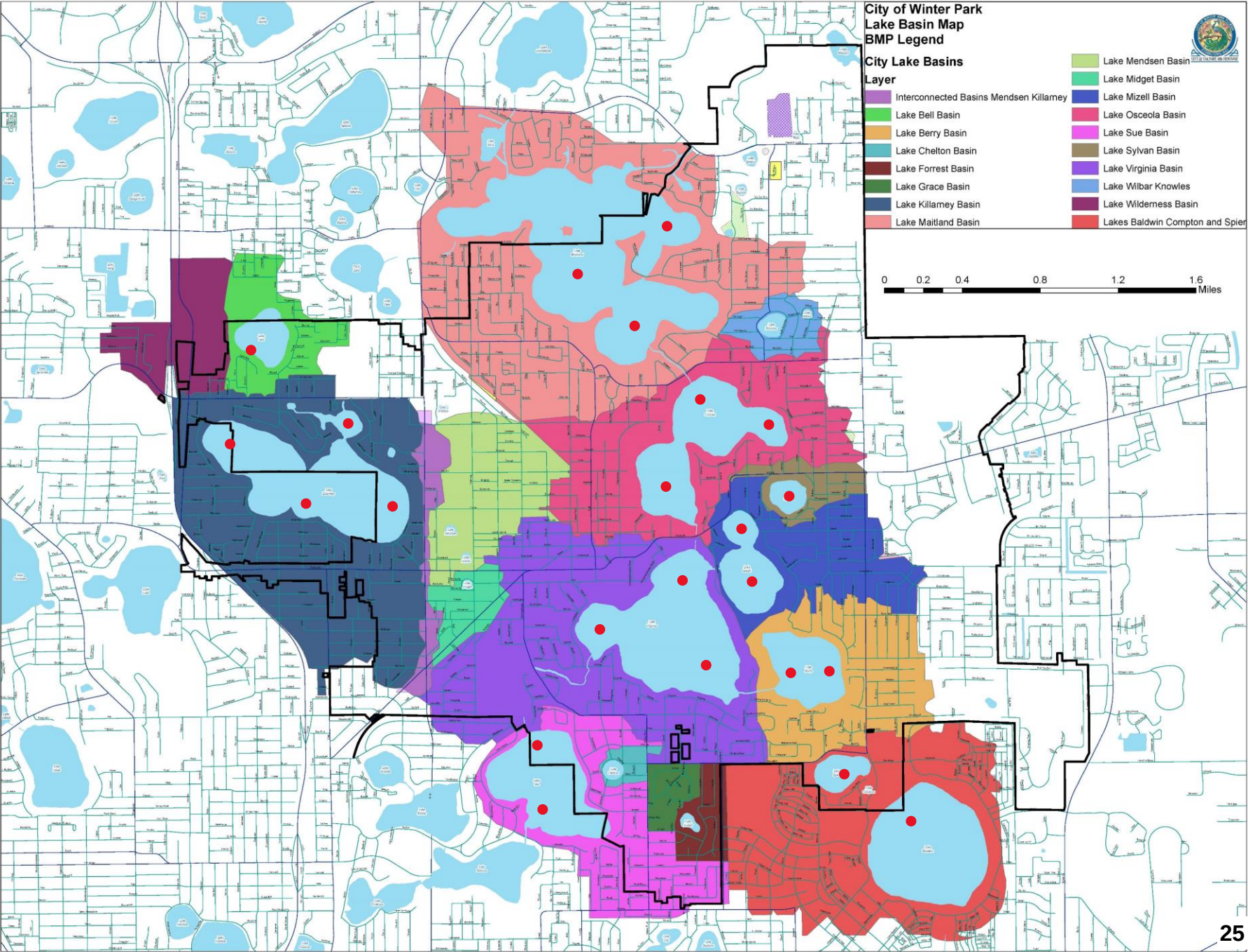
Lake	Avg Fecal
Baldwin	30 CFU
Bell	60
Berry	65
Killarney	30
Maitland	53
Mizel	20
Osceola	120
Spier	20
Sue	260
Sylvan	20
Virginia	207



Sample Date: 10-06-2022

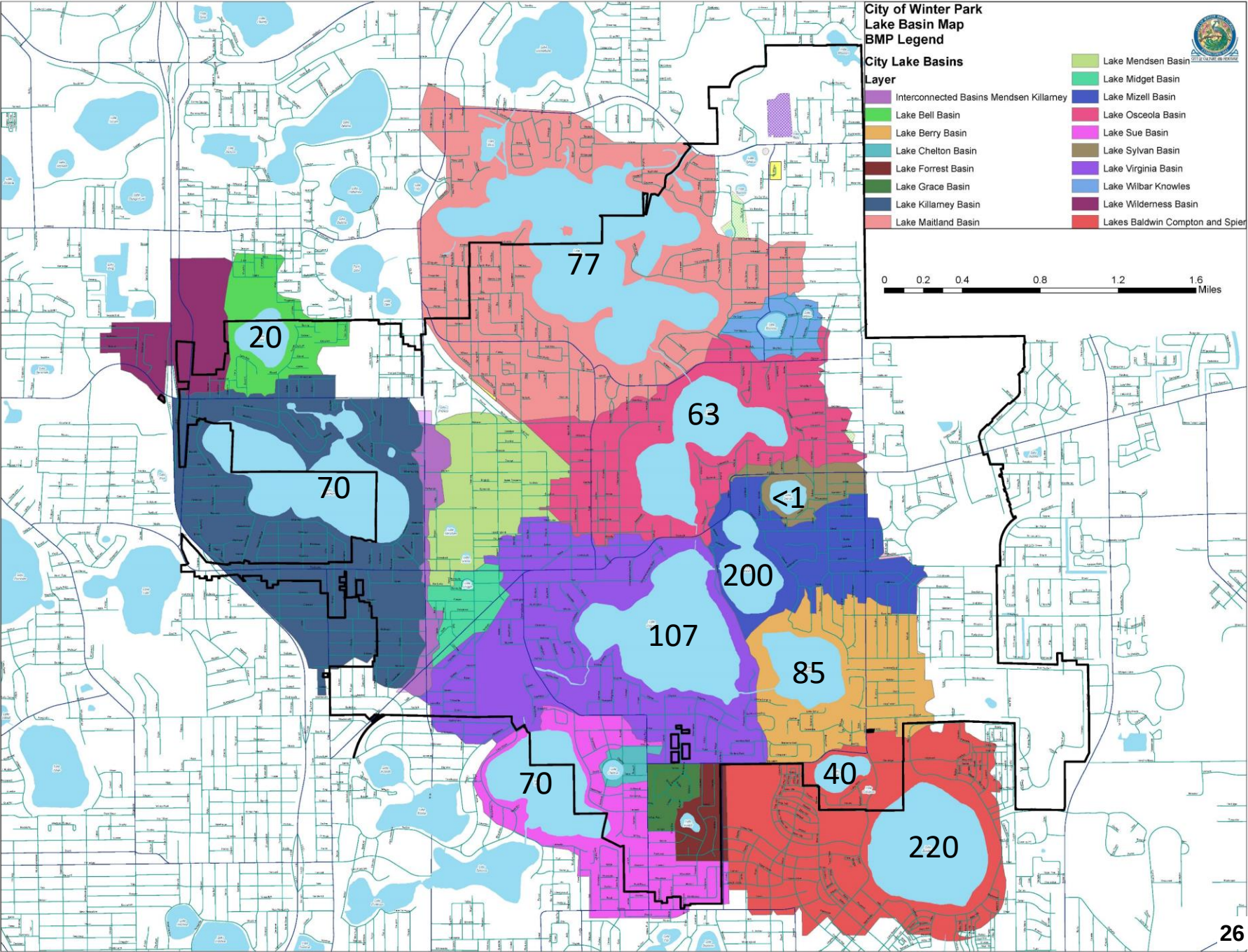
● Sample Sites

	Fecal Coliform
Baldwin	220 CFU
Bell	20
Berry E	40
Berry W	130
Killarney E	90
Killarney N	40
Killarney S	Lab Error
Killarney W	80
Maitland E	100
Maitland S	60
Maitland W	70
Mizel N	120
Mizel S	280
Osceola E	40
Osceola N	40
Osceola S	110
Spier	40
Sue N	60
Sue S	80
Sylvan	<1
Virginia N	20
Virginia S	80
Virginia W	220



Sample Date 10-06-2022

Lake	Avg Fecal
Baldwin	220 CFU
Bell	20
Berry	85
Killarney	70
Maitland	77
Mizel	200
Osceola	63
Spier	40
Sue	70
Sylvan	<1
Virginia	107



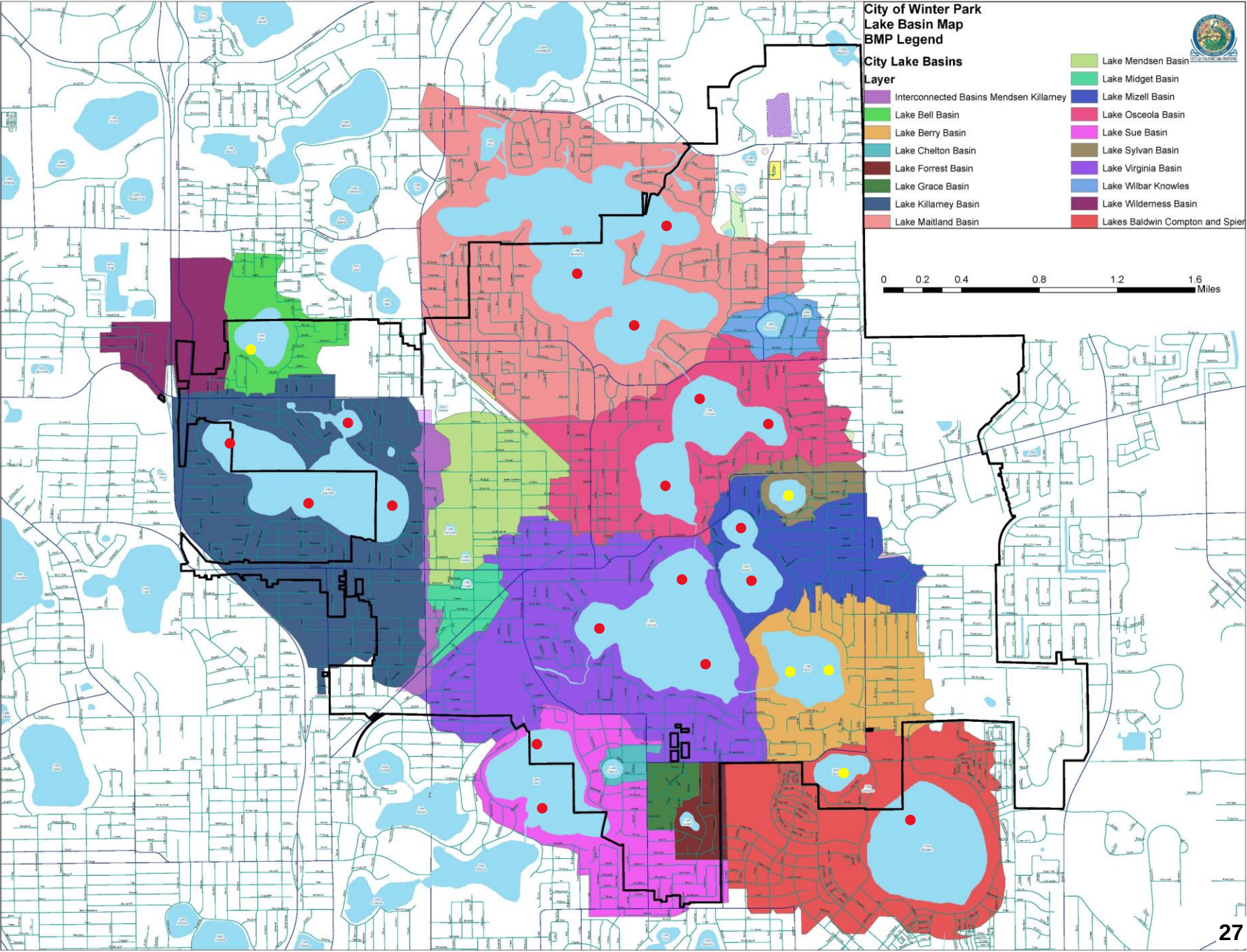
Sample Date: 10-10-2022

● Sample Sites

	Fecal Coliform
Baldwin	4 MPN*
Bell	N/A
Berry E	N/A
Berry W	N/A
Killarney E	<1
Killarney N	12
Killarney S	1
Killarney W	<1
Maitland E	12
Maitland S	14
Maitland W	6
Mizel N	5
Mizel S	2
Osceola E	12
Osceola N	3
Osceola S	13
Spier	N/A
Sue N	8
Sue S	16
Sylvan	N/A
Virginia N	30
Virginia S	11
Virginia W	30

● Not Sampled

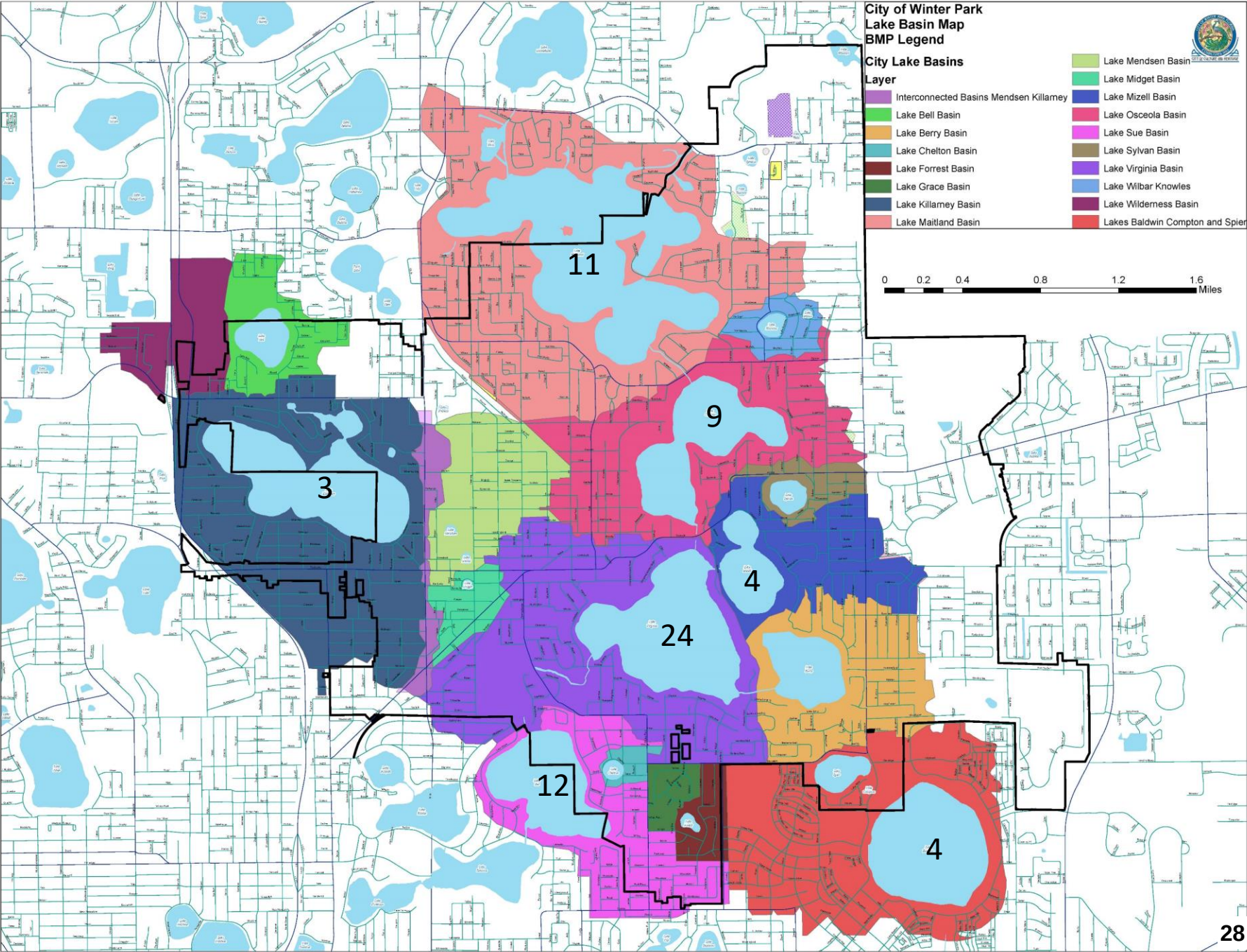
*MPN is comparable to CFU



Sample Date 10-10-2022

Lake	Avg Fecal
Baldwin	4 MPN*
Bell	N/A
Berry	N/A
Killarney	3
Maitland	11
Mizel	4
Osceola	9
Spier	N/A
Sue	12
Sylvan	N/A
Virginia	24

*MPN is comparable to CFU



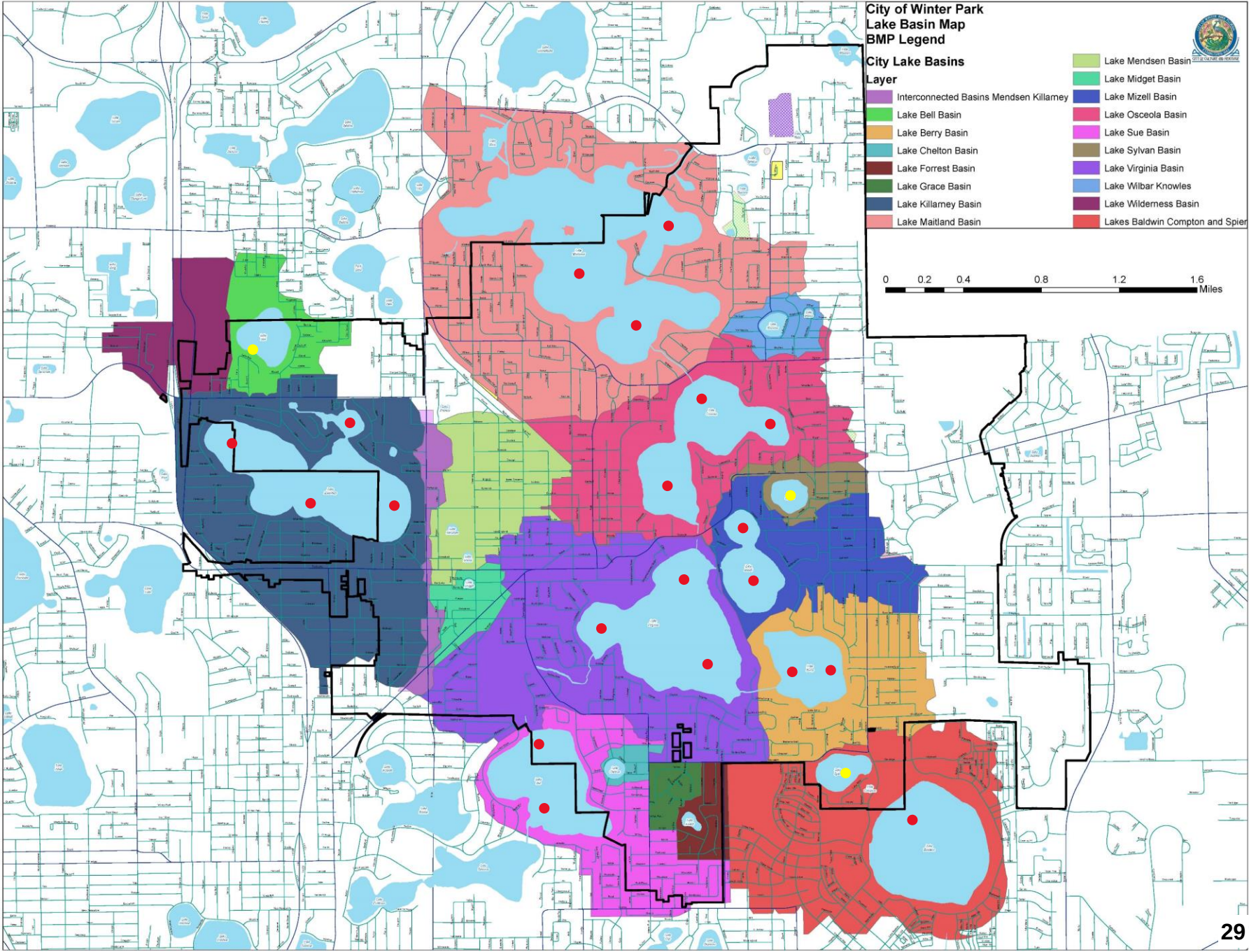
Sample Date: 10-12-2022

● Sample Sites

	Fecal Coliform
Baldwin	<1 MPN*
Bell	N/A
Berry E	22
Berry W	13
Killarney E	12
Killarney N	15
Killarney S	1
Killarney W	3
Maitland E	8
Maitland S	8
Maitland W	1
Mizel N	3
Mizel S	1
Osceola E	5
Osceola N	9
Osceola S	12
Spier	N/A
Sue N	5
Sue S	14
Sylvan	N/A
Virginia N	15
Virginia S	11
Virginia W	29

● Not Sampled

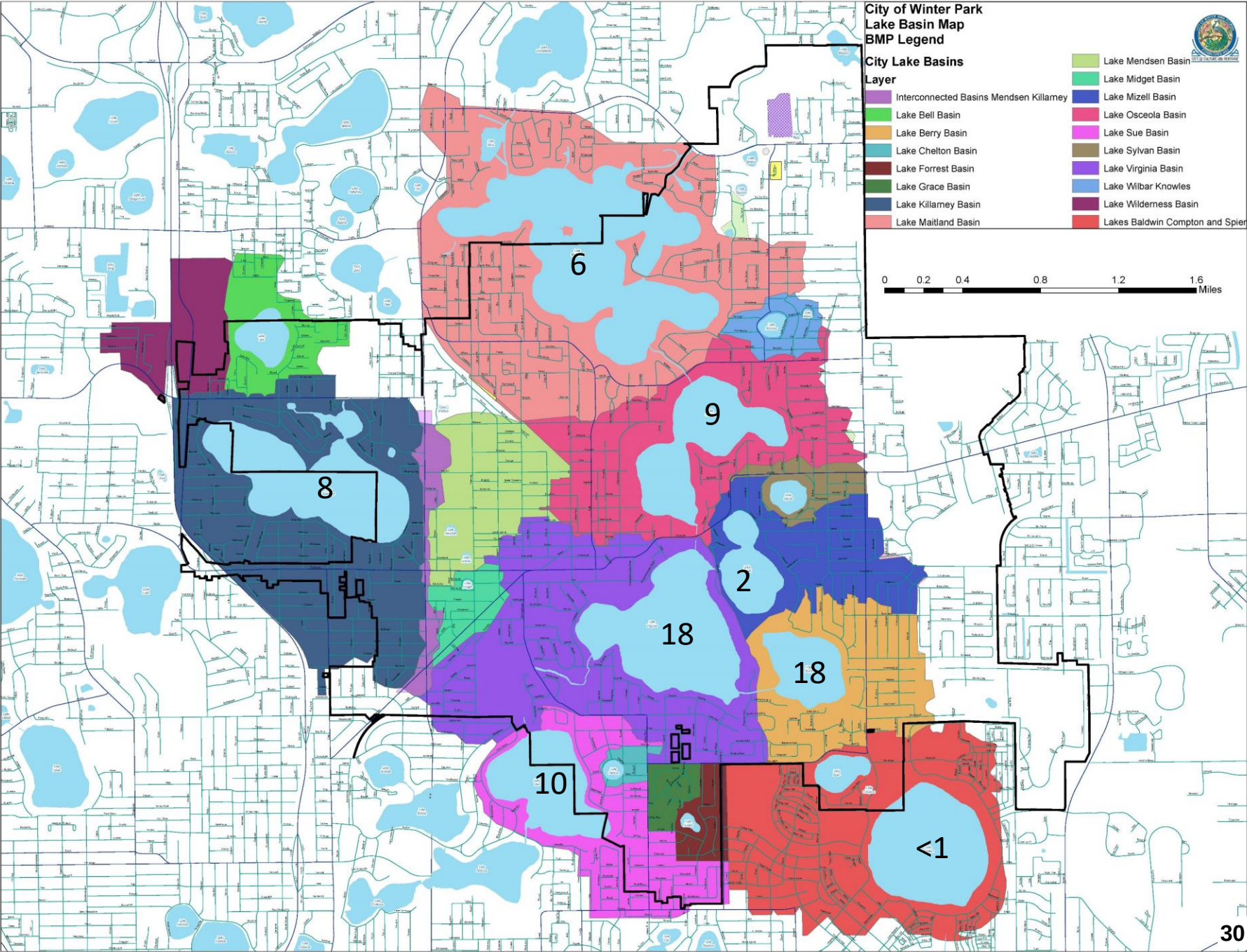
*MPN is comparable to CFU



Sample Date 10-12-2022

Lake	Avg Fecal
Baldwin	<1 MPN*
Bell	N/A
Berry	18
Killarney	8
Maitland	6
Mizel	2
Osceola	9
Spier	N/A
Sue	10
Sylvan	N/A
Virginia	18

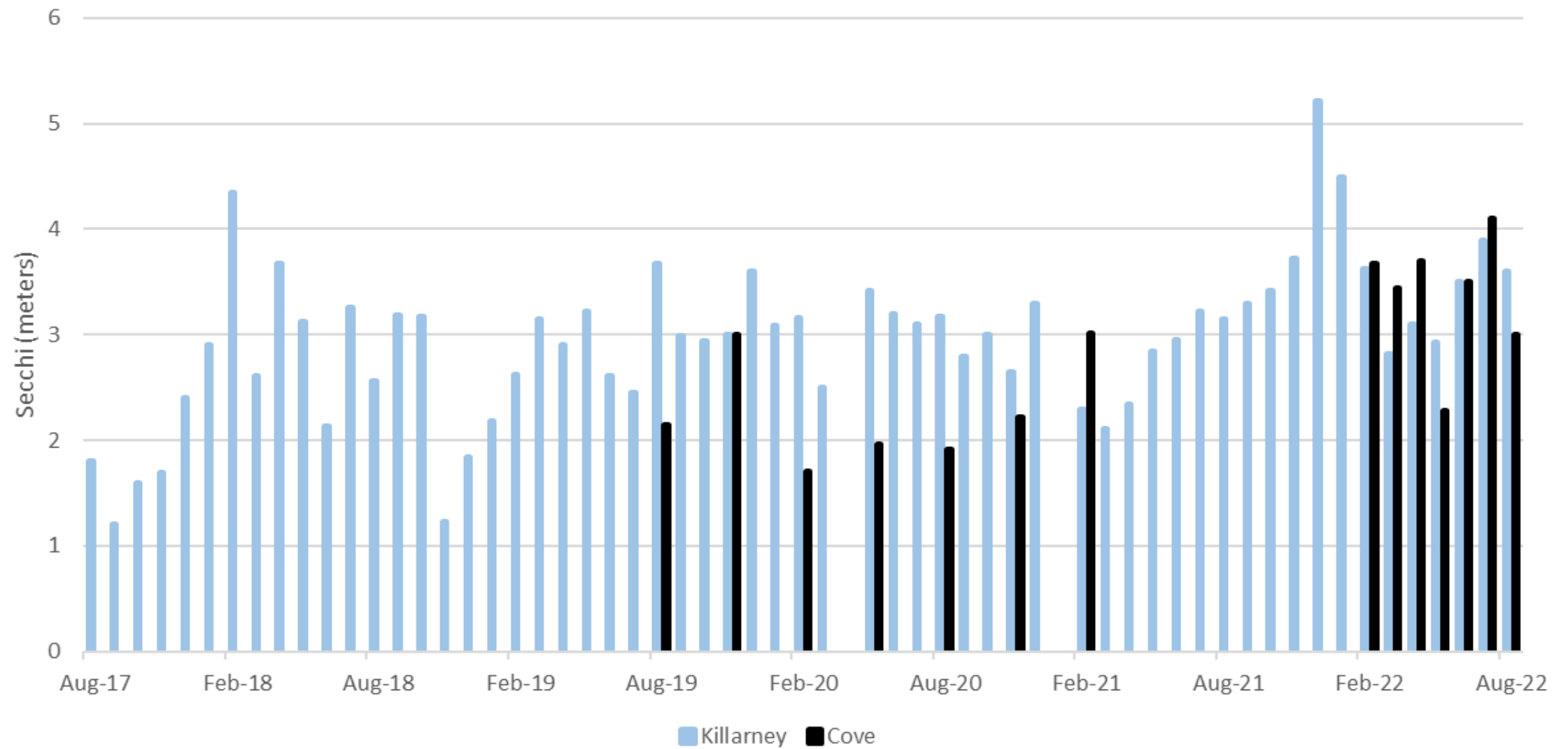
*MPN is comparable to CFU



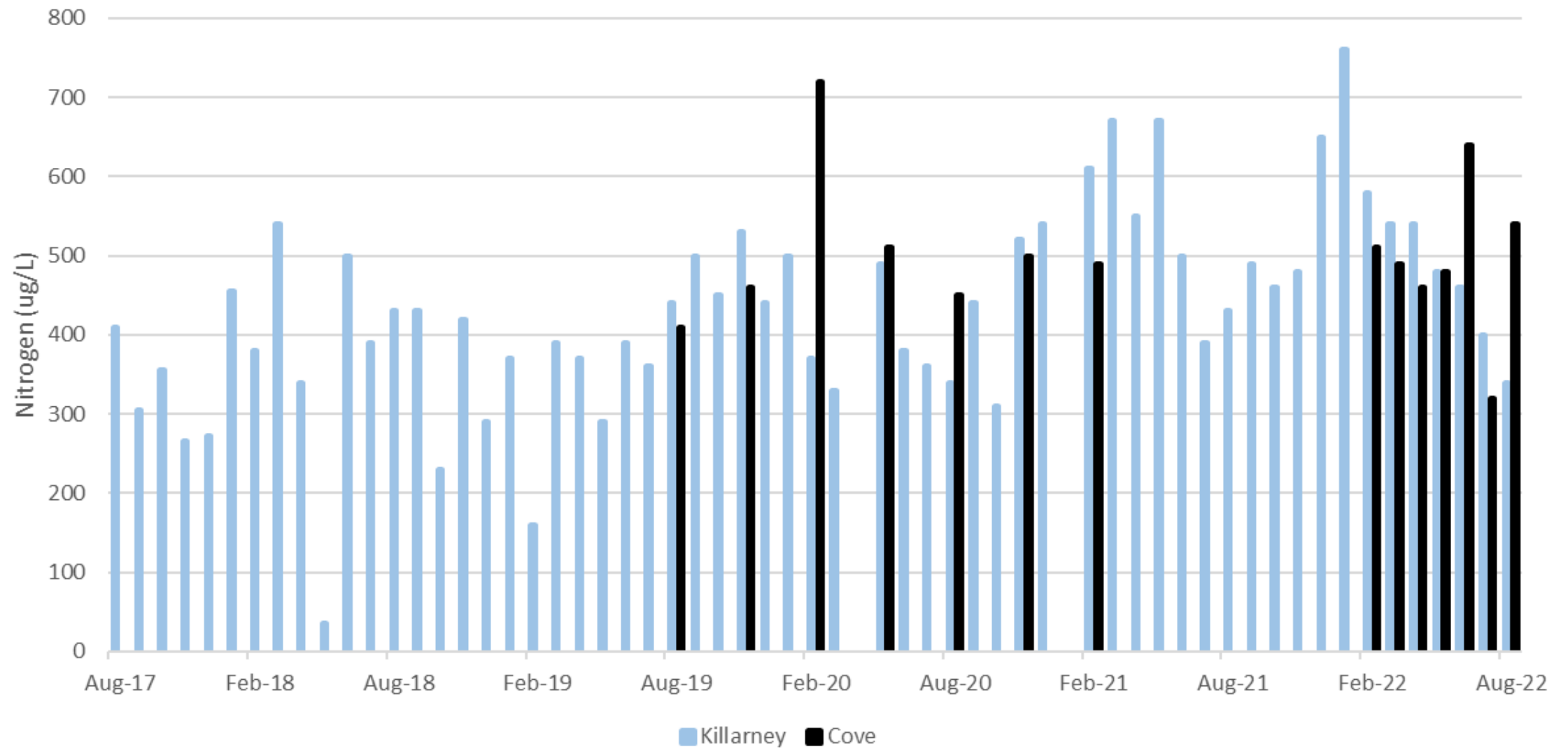
E. Coli Counts

10/4/22		10/10/22	
North	21.1 MPN	North	24.9
South	8.6	South	>1
East	10.9	East	1.0
West	21.8	West	1.0

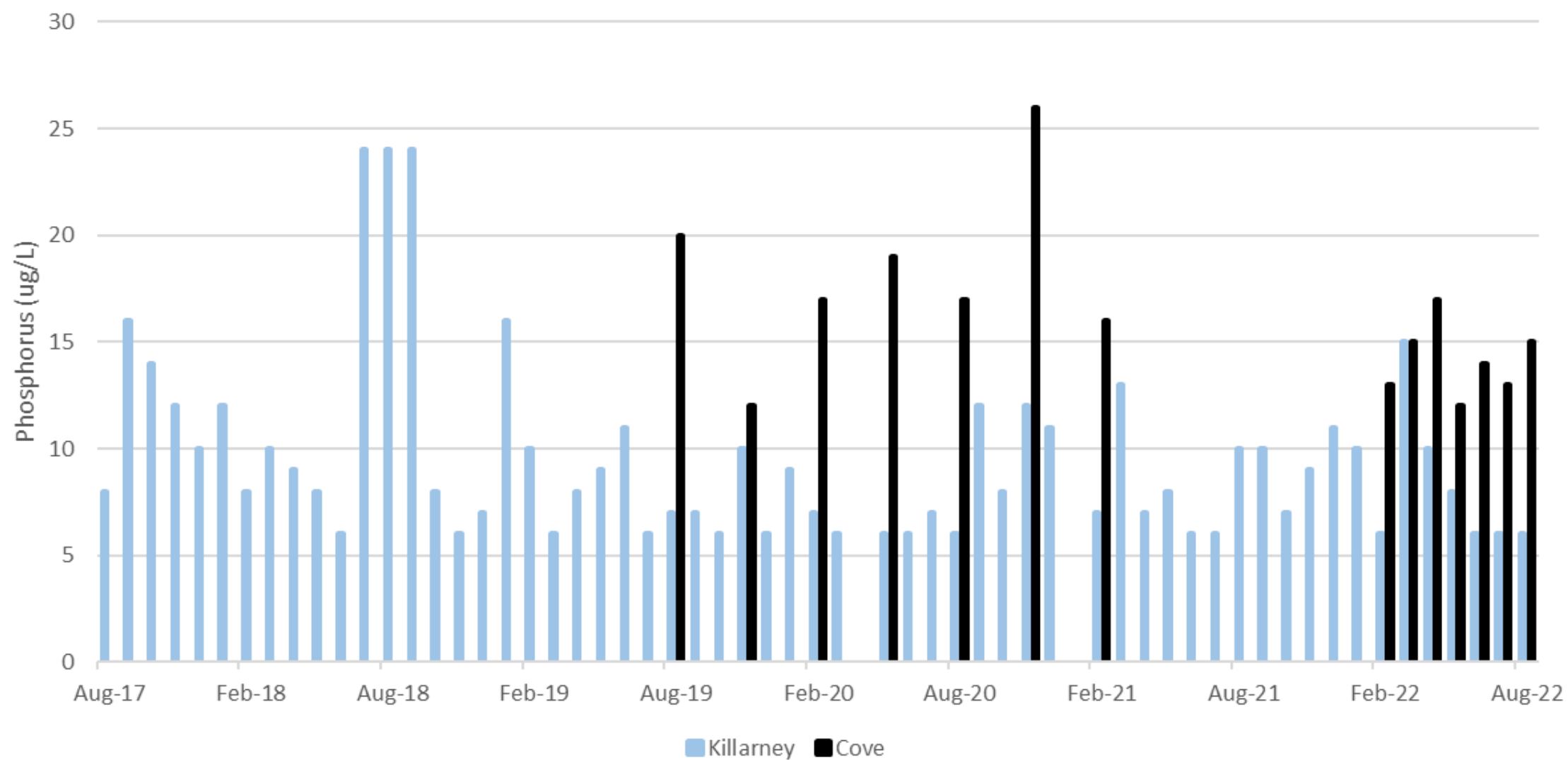
Clarity Comparison



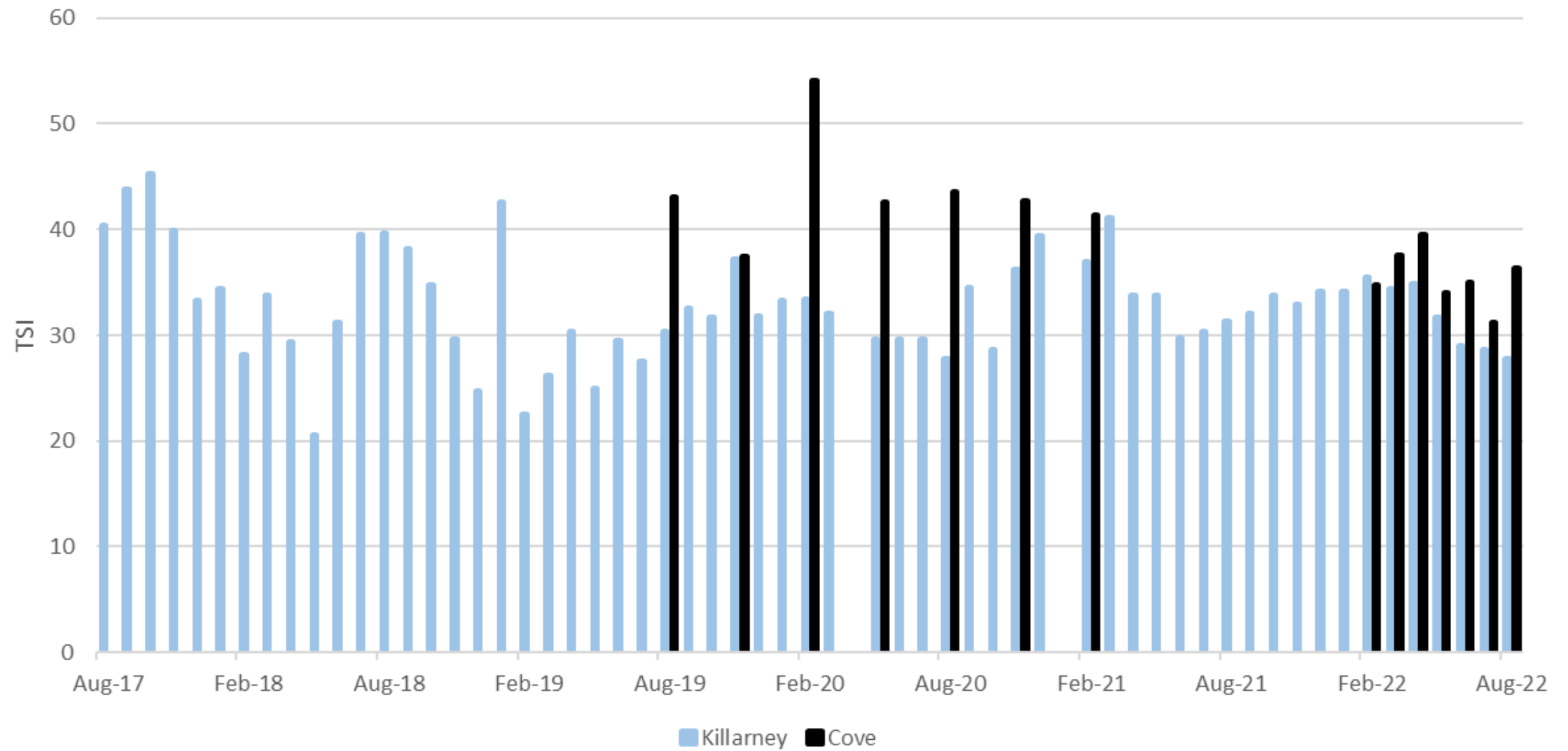
Nitrogen Comparison

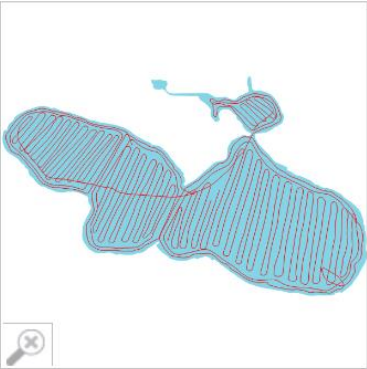


Phosphorus Comparison



TSI Comparison





Survey Metadata	
Data Collector:	Joey Cordell
Survey Time Stamp (UTC):	2022 August 16 - 11:56
Starting Location:	28.598643, -81.366887
Ending Location:	28.603182, -81.371786
Distance	21.511 miles

Survey Statistics	
Average Water Temperature:	88.6 °F
Survey Area:	240.199 acres
Survey Volume:	3093.274 acre ft
Percent of Waterbody Surveyed:	99.1%
Waterbody Area:	242.472 acres
Estimated Waterbody Volume	3122.542 acre ft

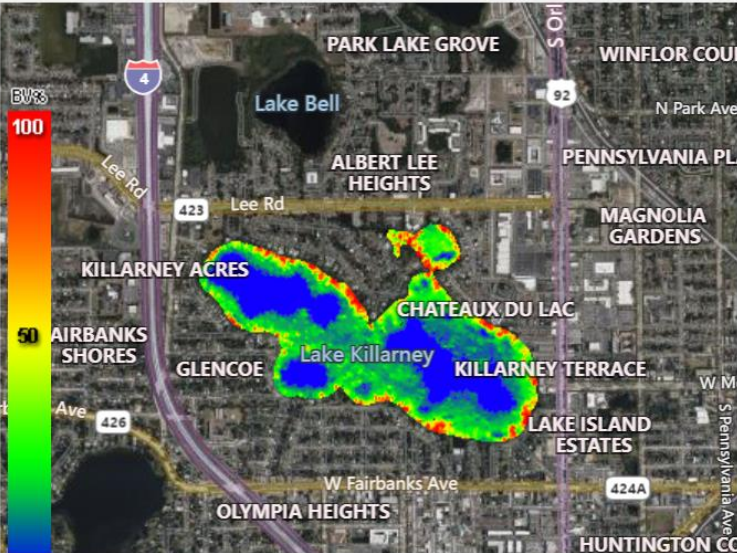
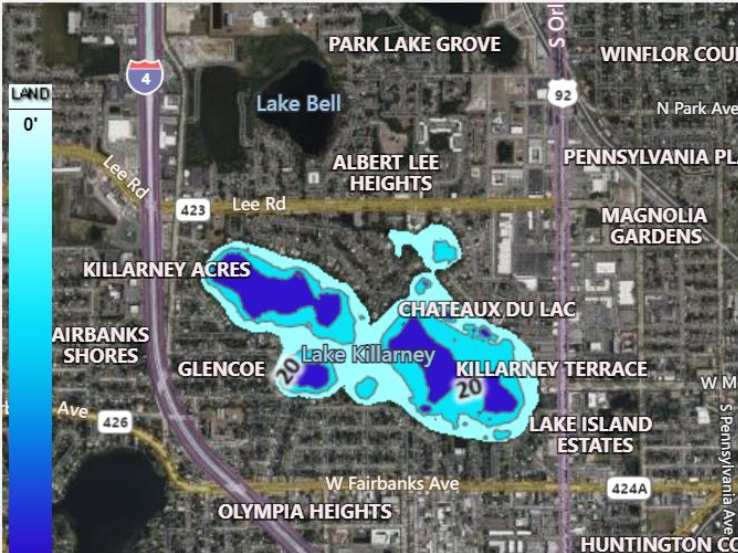
Survey Settings	
Includes Edited Data:	No
Track Buffer:	25 m
BV Grid Cell Size:	5 m
BV Minimum Detection - Percent:	5.0%
BV Minimum Detection - Depth:	2,400 ft
BV Maximum Detection - Depth:	20,000 ft
BV Sonar Channel:	NA

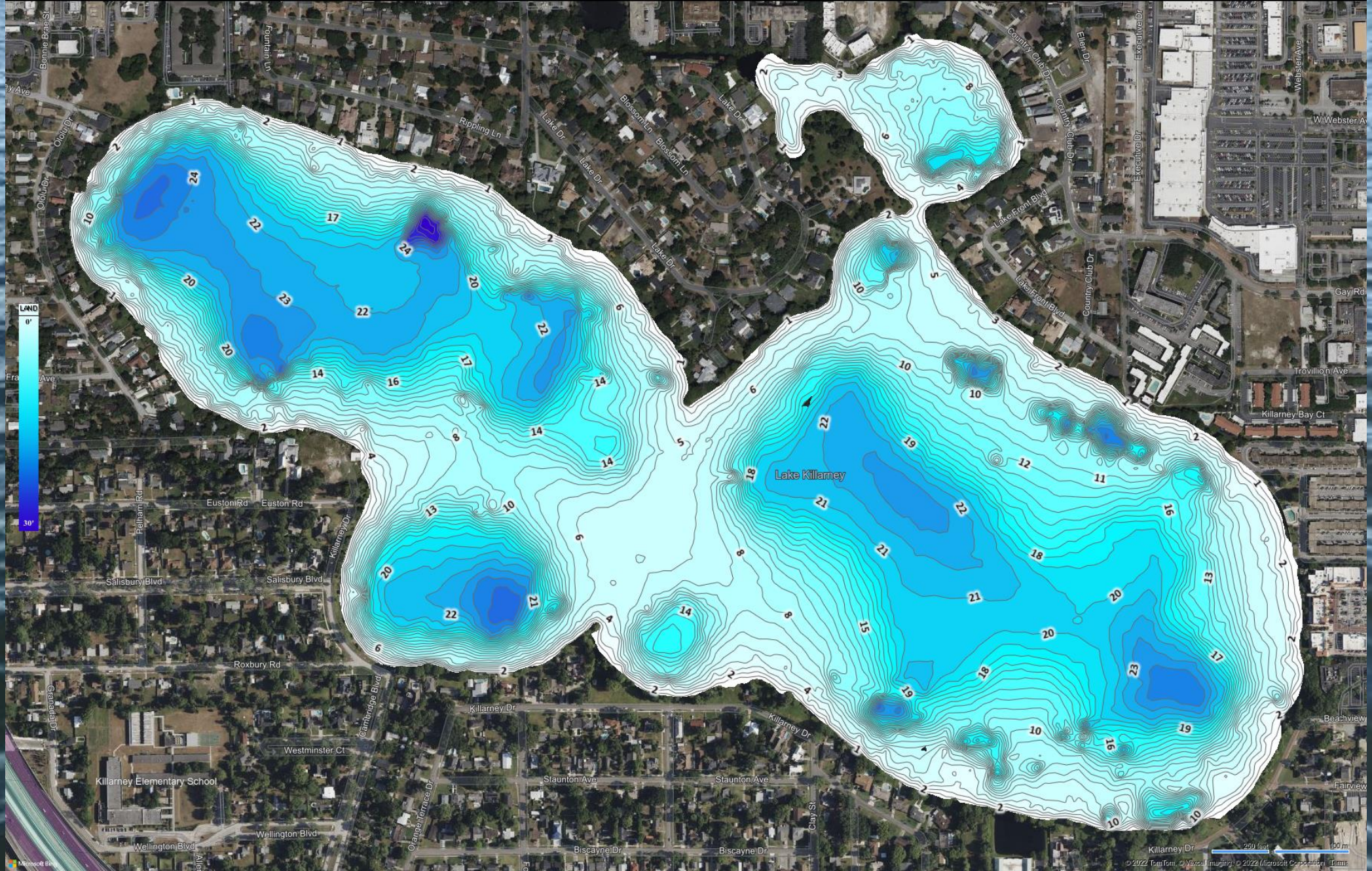
▲ Survey Summary

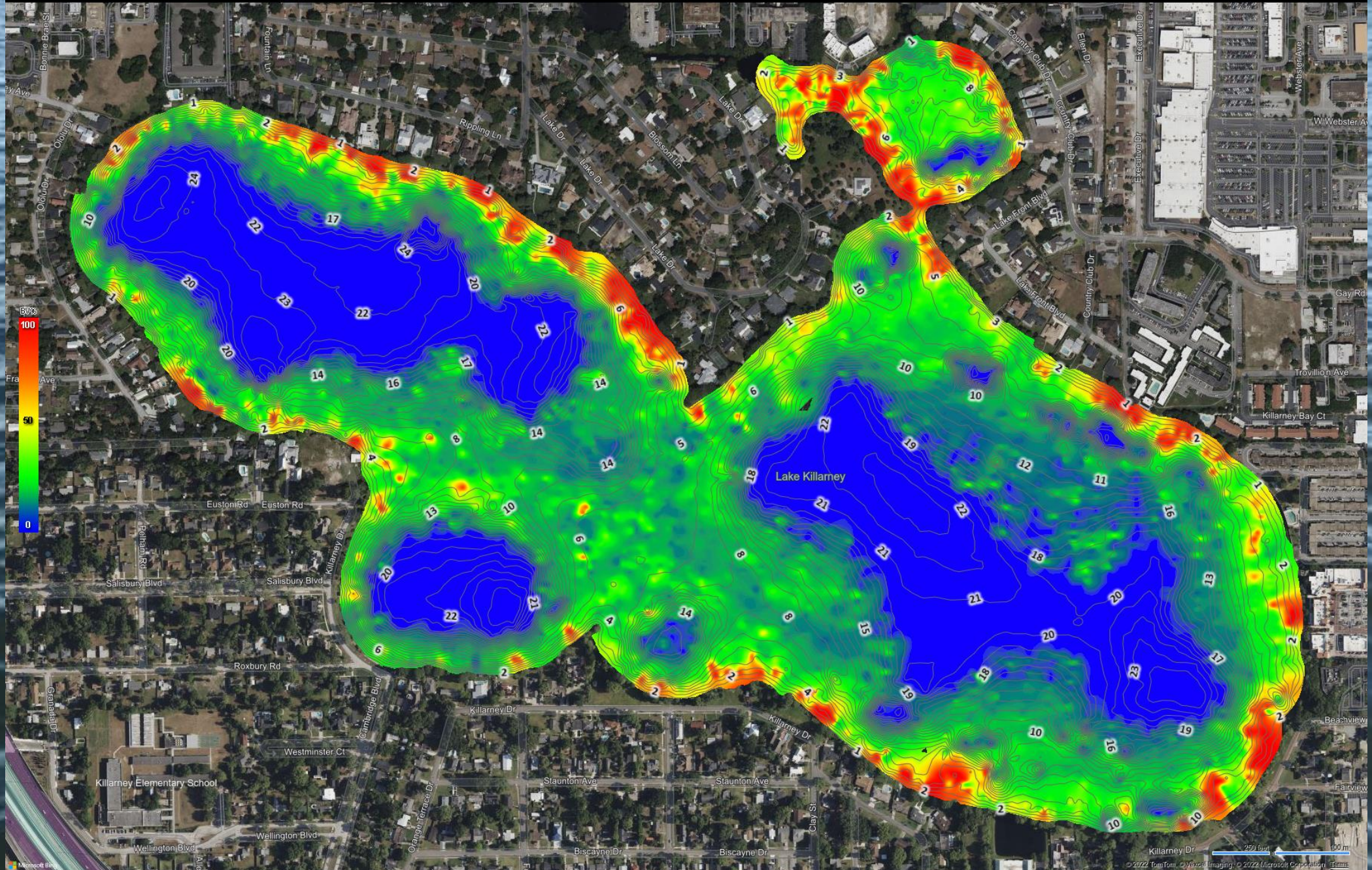
Type ?	PAC ?	Avg BVp ?	SD BVp ?	Avg BVw ?	SD BVw ?	Depth Range	Depth Avg	No. Depth Records
Point	65.1%	26.3%	± 22.6%	17.1%	± 20.0%	1.51 - 30.66 ft	12.919 ft	12409
Grid	66.6%	27.5%	± 20.1%	18.3%	± 20.9%	0.15 - 30.42 ft	12.878 ft	50286

Bathymetric Contour Map

Vegetation Biovolume Heat Map











item type	Staff Updates	meeting date	November 2, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

Stormwater Update

item list

- FEMA CRS
- Written hurricane preparedness plan

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[sw update](#)

Stormwater Staff Update

Lake Killarney Advisory Board – Nov 2022

CITY OF WINTER PARK - STORMWATER CAPITAL IMPROVEMENT PROJECTS UPDATE 10/27/2022

ACCT #	CIP Title & Description	Original Year Funded	Current Balance	Status/Comments
565200	Drainage Improvements - Recent years of unusually heavy rainfall events have revealed several substandard drainage conditions in various locations throughout the City.	Annually Funded	\$96,531	Several in-house drainage improvements projects to be scheduled for 2021-22, Ward Park ponds construction, Pinetree Rd and Via Amalfi, Palmer at Old England outfall repair, stormwater outfall dredging at various locations as needed.
				1) <u>Pinetree Rd and Via Amalfi</u> - The City will replace the existing substandard and deteriorated drainage system, as well as add an inlet and curbing. Estimated cost \$50k. Construction is complete.
				2) <u>Palmer at Old England outfall repair</u> - A video inspection to be scheduled to determine the existing condition of the outfall pipe. Design and construction will be scheduled as needed. Estimated cost \$20k.
				3) <u>Stormwater Outfall Dredging</u> - Dredging is complete near the Alexander Place and Morse Boulevard stormwater outfalls. Currently investing additional locations.
				4) <u>Ward Park ponds construction</u> - Estimated cost \$150k. NE and NW Pond excavation and sodding is complete. The piping to be installed in October.
565203	Lk. Bell Weir Outfall Improvements -	2009	\$69,223	Repairs may be required on the Lake Bell outfall weir, will continue to assess the condition in 2022. Currently investigating grouting options.
565221	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	\$733,395	The Interlocal Agreement was approved by the City Commission on October 13, 2021 and by the Seminole County Commission on December 14, 2021. 60% plans completed and submitted to Seminole County. Process to permit with SJRWMD currently underway.
565233	2410 Winter Park Rd. Pond	2020	\$0	The pond excavation, construction of the stormwater conveyance and pond outfall systems is complete. Sodding of the pond complete.
	Nicolet Ave Stormwater Pond – complete the design and construction of a stormwater treatment pond on City purchased properties located at 796 & 808 Nicolet Avenue	2023		Seeking Board and Commission approvals for \$200,000 in the City's FY'23 budget. Governor vetoed the State funding, notified June 2, 2022.
	TOTALS			
3023406	ACTIVE STORMWATER CIP's		\$899,148.85	BALANCE TOTAL



Lake Killarney
Board

agenda item

item type Board Comments	meeting date November 2, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Discussion of Public Comments Received

motion / recommendation

background

alternatives / other considerations

fiscal impact



item type Upcoming Agenda Items	meeting date November 2, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Upcoming Agenda Items

motion / recommendation

background

alternatives / other considerations

fiscal impact



Lake Killarney
Board

agenda item

item type Upcoming Agenda Items	meeting date November 2, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Summary of Meeting Actions

motion / recommendation

background

alternatives / other considerations

fiscal impact