



Lake Killarney Board Regular Meeting Minutes

March 5, 2025 at 10:00 AM

City Hall Commission Chambers
401 S. Park Avenue

Present

Carolyn Minear, David L. Dickerson, Ellen Hencken, Jason K. Ellison, Joyce D. Cunningham, William Voecks (Virtual), Brian King

Staff Present

Assistant Director of Public Works Don Marcotte, Public Works Engineer Shannon Monahan, Lakes Division Manager Joseph Cordell, Lakes Specialist Daniel Barber, Administrative Assistant Victoria Tabor

Also Present:

Orange County Senior Environmental Specialist Nidia Volpe (Virtual)

1. Call to Order

Jason Ellison called the meeting to order at 10:05 a.m.

2. Consent Agenda

- a. Approve the minutes of February 5, 2025

Motion made by Ms. Minear to approve the minutes, seconded by Ms. Cunningham. Motion carried unanimously with a 7-0 vote.

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

Jeanne Wall expressed special appreciation and recognition to Joyce Cunningham, one of the founding board members. Ms. Cunningham conveyed her gratitude to the staff and both previous and current board members. She will not attend the April meeting.

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

5. Action Items

6. Non-Action Items

7. Staff Updates

- a. Orange County Update

Ms. Volpe provided updates on the Orange County side of Lake Killarney. A few high school students removed old storm drain markers and replaced them with new ones throughout the area. During the next Orange County Lake Killarney meeting, scheduled for March 13th, costs will be presented associated with adding street sweeping as a

routine service for the Orange County portion of the lake. If approved by the board, street sweeping would be performed weekly.

Jason asked why the markers were removed. Ms. Volpe explained that the decals at the inlets where water enters the storm drain system were worn out and faded. The students participated in a service project that allowed them to remove these old markers in exchange for community service hours. The message on the markers said, "Only rain down the drain." They also created door hangers for residents to explain the purpose of the markers and to share information about not pouring harmful substances, such as leaves and waste, down the drain.

Ms. Volpe addressed the question regarding the previous sweep schedule, which occurs every six weeks. The upcoming meeting is scheduled for 5:00 PM on March 13, 2025, at the Police Department.

Mr. Voecks inquired about the locations of the markers. Ms. Volpe indicated that they were primarily placed to the west and south near the lake.

Ms. Minear asked if there had been any updates on the drainage project concerning easement rights. Ms. Volpe responded that at the last meeting, John Mitchell mentioned they were still reviewing the agreements with their attorneys. She will obtain another update from him at the next meeting and report back.

b. Lakes Management

- Lake Elevations
- Water Quality
- Treatments (No Update)
- Maintenance & Efforts

Mr. Cordell addressed the algae bloom, reporting the brown reddish algae to the Department of Environmental Protection (DEP) who came out and conducted the sampling. The brown algae is not considered hazardous; however it does release a significant amount of oils and hydrocarbons creating a distinctive smell. We received numerous reports from residents living around the lake. It lasted about a week before dissipating. The results can be found on the DEP algae dashboard.

The DEP detected microcystins at a level of 3.2 micrograms per liter. They regularly sample during bloom events and will continue to sample until the microcystin level is zero. The first sample was taken on the 10th, followed by a second sample on the 17th, which showed a decrease from 3.2 to 1.2. Weather changes typically trigger events for the bloom. We will send a follow-up email and include the DEP dashboard information for the residents.

The water quality report was for November and December, for phosphorus, nitrogen and clarity. TSI has not been included in this round because the chlorophyll was not prepared for the report. The nitrogen appears to be an anomaly because it is very low. We are currently awaiting a final report from Orange County to verify this information.

On January 22, there was an elevation spike due to a rain event. We also have data from BioBase. The slides provide a seasonal comparison between the summer of last year and February of this year, showing a reduction in total vegetation coverage. BV stands for biovolume, which represents the percentage of vegetation in the water column. If the indicator is red, it means the vegetation has reached the surface. Our target is to maintain between 30% and 60% vegetation coverage.

Maintenance and Efforts: 5 gallons of debris and 35 gallons of trash have been removed.

Mr. Elliison questioned the decrease in the level of Lake Killarney. Mr. Cordell agreed that it was due to a lack of rain events because the current level is 81.6.

Mr. Cordell presented a map showing the flow of water in and out of Killarney. He explained that water enters from Lake Bell travels through the canal and then feeds into Lake Gem. He explained short-circuiting, noting that some water that originates from Lake Bell may not flow into the main body of the lake. The main body of the lake is also fed by groundwater seepage rather than natural springs. Ms. Tabor will email the map to the board members.

Mr. Cordell announced the upcoming events. Ms. Tabor asked anyone with questions regarding the hazardous waste to call her.

c. Upcoming Events

- Household Hazardous Waste Drop-off - 3/8 8am @ Cady Way Pool
- 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 Gardens
- The Great Duck Derby - 3/29 10am @ Mead Gardens

d. Stormwater Management

- CIP Update
- Killarney Dr. Pipe Replacement Timeline
- Upcoming Development
- Lake Front Construction Updates

Follow-up Items:

- Outfall Condition Update

Ms. Monahan presented the updated CIP and announced the final schedule for Lake Killarney Drive. The project will start during the week of April 14th.

A larger lakeside development is planned, which will consist of three individual lots for single-family homes located at the corner on the edge of the Orange County and Winter

Park line. The project is currently in the permitting phase for sitework and utility installations. Originally, this area was one large site with nothing on it except for an existing pond in the northeast corner that served an off-site commercial development. The developers are required to maintain the pond's volume and function. They have reduced the footprint of the pond while making it deeper and adding retaining walls. Additionally, two swales will be constructed to manage runoff from the properties; any overflow will be directed into the lake. Another advantage is that these homes will be connected to sewer services, sharing an upgraded lift station with the nearby condominiums.

The permit for the 2054 Lake Drive boat dock is inactive; it was issued but there has been no progress. A discussion on permitting extensions took place, and Ms. Monahan will conduct further research and report back to the board.

The outfall condition has not yet been completed. Mr. Marcotte explained that once stormwater receives its own cameras, it will allow for greater flexibility in scheduling all stormwater inventory inspections.

8. Board Comments

Ms. Cunningham inquired about the status of the buoys and markers. Mr. Cordell informed her that revisions had been made to the ordinance, including the addition of actual coordinates and more detailed descriptions. The next step is to present the ordinance to the City Commission. The Florida Fish and Wildlife Conservation Commission (FWC) requires a city ordinance before the city can apply for their approval, which is necessary for any type of enforcement. Mr. Cordell will consult with Ms. Eby regarding the draft of the ordinance and will provide an update to the board.

- a. Discussion of Public Comments Received

9. Upcoming Agenda Items

- a. Upcoming Agenda Items
- b. Summary of Meeting Action Items

Ms. Monahan provided a summary of the meeting action items related to stormwater. She will investigate the maximum duration for extending a permit from its initial issuance and clarify the process for requesting an extension.

Mr. Cordell provided a summary of the meeting action items concerning lakes, which includes an update on the buoys and the DEP's algae sampling.

10. Adjournment

The meeting adjourned at 10:52 a.m.

Approved by the board on May 7, 2025, with a request to review the flow of water in and out of Lake Killarney.

/s/ Bahiyyah Layton, Board Coordinator