

MIROMAR LAKES
COMMUNITY DEVELOPMENT DISTRICT

Monthly Asset Manager's Report
December 2024

Prepared For:

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District Manager

Prepared By:



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A SAFEbuilt® COMPANY

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**MIROMAR LAKES
COMMUNITY DEVELOPMENT DISTRICT**

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**MIROMAR LAKES
COMMUNITY DEVELOPMENT DISTRICT**

I. PURPOSE

The purpose of this report is to provide the District Manager with an update on recent inspection-related activities. We will continue to provide updated monthly inspection reports on the status of ongoing field activities.

II. CURRENT ASSET UPDATES

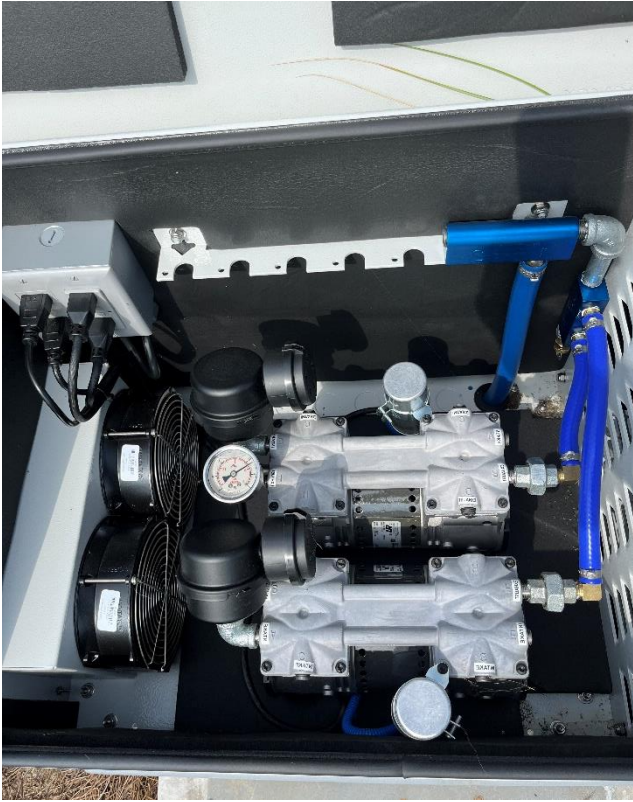
1. Lake Maintenance
2. Landscaping – Retention Area and Vegetative Buffer
3. Fishery
4. Cane Toad Program
5. Corrective Actions

1. Lake Maintenance

- Lake 6D aeration system has been restored to running properly in the middle of December. The new motors and operating parts were installed in the new electrical cabinets that were needed from recent flooding causing improper storage.
- Lakes 1A, 6B/6C and 6G are all receiving new motors due to aging of the equipment, and not performing properly.
- All lakes were treated for torpedo grass and other invasive vegetation. Main lake level at the beginning of the month was at 19.2
- The far eastern preserve side that borders Esplanade Lake Club was treated for torpedo grass within the littoral shelf. Tall phragmites were also treated/cut down within the littoral shelf.
- Submerged aquatic vegetation (Southern Naiid) was treated around the beach areas of Isola Bella.
- The golf course lakes were inspected and treated for any new growth of torpedo grass, brushes, and invasive weeds. The shoreline weeds, algae, and submerged vegetation are all at controlled levels.
- Illinois pondweed has been expanding in some areas throughout the main lake. Sonar mapping of aquatic vegetation will begin next month and will be utilized for future aquatic control measures.
- Main lake level at month end was at 19.

2. Landscaping - Retention Area and Vegetative Buffer

- With slight rainfall recently the areas aren't dried up as they recently have been but are not in any danger of flooding.
- Wetland areas on Isola Bella bridge have been well maintained thus far. During frequent site visits during the month, there has been no debris, or overgrowth in any of the vegetation. Asset Manager will visit more frequently after having the areas trimmed.
- Retention areas in Lugano, south of Verona Lago Dr, and south of Visconti Cir are being maintained properly. Frequent site visits have shown no debris lingering in the area.



New motor and equipment installed.



New cabinets for the aeration system.

3. Fishery

- Early January the vendor will take a more thorough look at the vegetation throughout the large lake using boat mounted sonar and a weed rake. This data will provide insight into the deep-water vegetation growth, and will be used to greatly reduce the odds of overstocking grass carp.

4. Cane Toad Program

- November hours - a lot less tadpoles this month. A lot of baby toads. Traps still fairly successful.
- Missing a few traps. Temps were in the 60s-70s last week. Temps have dropped significantly and will drastically reduce numbers.
- 12/1 - 5 hours - Bellini Lake 6L - Many tadpoles and small toads removed. 32 removed from traps.
- 12/7- 4 hours - Bella Mare Lake 6J - baby toads sprayed.
- 12/8 - 4 Hours - Lakes 6k Castelli & 6H Montebello - baby toad removal. Removed a few adult males. 49 removed from traps this week.

- 12/14- 3 Hours - Lakes 6k Castelli & 6H Montebello - Tadpoles and baby toad removal.
- 12/15 - 4 Hours - Lakes 6F & 6E Siena - small toads sprayed and late-stage tadpole removal. 61 toads removed in traps
- 12/21- 3 Hours - Lake 6b main gate (owner had me remove a toad from a bucket & Lake 6C Montelago - late-stage tadpoles removed. Most dying from cold. Baby toads sprayed.
- 12/22 - 4 hours – Lake – Lake Bellini – Adult toads removed from roadside bushes. 51 removed from trap boxes this week.

1. Corrective Actions

- Spike rush, grasses, and other invasive weeds are routinely observed along lake shorelines and within littoral areas. Although aquatic vendor has been administering treatment regularly, overgrowth needs to continue to be properly managed.
- Washouts near FGCU, Asset Manager spoke with engineer, working on plans for repair options.
- Water levels will begin to subside, Asset Manager will have extra attention to lake banks to check for erosion and wash outs as they can become more visible.
- Asset Manager seeking a proposal for the FY25 lake bank restoration.
- The asset manager had notice apple snail eggs along the boating docks and will notify aquatic vendor to spray them.
- Constant monitoring of the aeration system will be conducted due to issues in the past with the equipment. With new equipment in place, want to make sure motors are working and running properly.



Landscape retention and retention areas being maintained and inspected constantly.



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