

MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT

**Monthly Asset Manager's Report
September 2023**

Prepared For:
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District Manager**

Prepared By:



Calvin, Giordano & Associates, Inc.

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

The following items are currently outstanding:

1. Lake Maintenance

- The entire shoreline of Lakes 1A, 1B, 1C, 2A, 3A, 3B, 3C, 6B, 6C, 6D, and 6E were treated to eliminate unwanted invasive weeds like torpedo grass, broadleaf, vines, alligator weed, and regular grass. Additionally grasses, brush, and invasive weeds were removed from the north shoreline of Lake 5 and the southern shoreline of Lake 6. To control the algae and improve aesthetics, dye was added to Lake 6G. The beach club marina area was also treated for grass and weeds. Previous algae treatment in Lake 6L was successful and ongoing monitoring will continue. Shorelines of Lakes 6A, 6G, 6H, 6L, 6I, and 6O were treated for grasses, brush, and invasive weeds. During the treatment, floating eel grass was observed in some of the coves, which will be mechanically harvested in October. Planktonic algae in Lake 6R, surface algae in Lakes 6E and 6L and submerged algae (Chara) in Lake 6H were treated. Finally, to control algae and improve the overall appearance of Lake 6L, lake dye was added. Water levels were normal for this time of year.

2. Capital

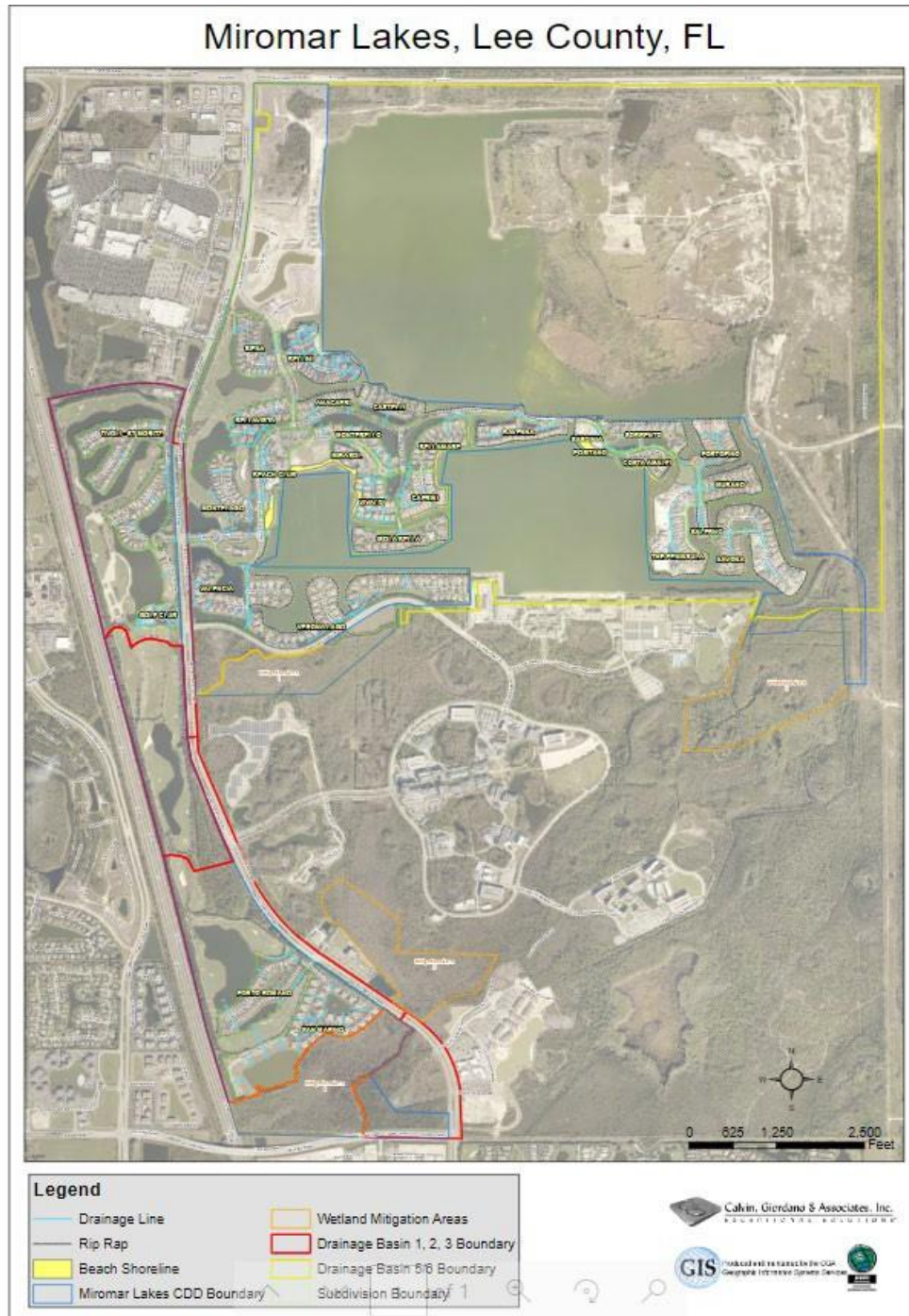
- The current vegetation coverage has decreased from approximately 85 acres back down to 75 over the past four weeks. This is a result of treating/reducing vegetation. Vallisneria (aka, eel grass or Val) is the primary species the aquatic vendor has been treating.
- The aquatic vendor is wrapping up the vegetation mapping project over the next two weeks. (Mapping out the current surface area of emergent vegetation, so they can plan the next phase of installing desirable emergent vegetation). As mentioned last month, the long-term goal is to provide the lake/ecosystem with 15-20% coverage of aquatic vegetation in a manner that overlaps well with the community/homeowner goals. The majority of this 15-20% coverage should be composed of emergent species that Grass Carp do not eat.
- The Marine Naiad (submersed aquatic plant) has been under better control over the past month.

- The Grass Carp were stocked the last week of September. It will take a while for any benefits to be observed. Their population is still low, and we should anticipate their population having minimal positive impact at this time. Over the next 4-6 months the aquatic vendor will start assessing if their population is sufficient or still under-sized. The use of aquatic herbicides to control vegetation as needed is something that will continue for the next couple months.

3. **Future Items**

- Follow up on the repair to fountain 6C and get a time frame on installation date.
- Getting quotes for riprap maintenance restoration.

III. LOCATION MAP



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IV. DISTRICT ASSET MANAGERS PHOTOS





Solitude stocking grass carp (Peninsula marina area)

Solitude stocking grass carp (Peninsula marina area)