

# **MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT**

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

Prepared For:  
**James Ward  
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 following lakes were treated along the entire shoreline: 6E, 6D, 6B, 6C, #6H, 6I, 6M, 6N, 6O, 6P, 6R, 6F, 6L, 6A, 6G, 1A, 1B, 1C, 2A, 3A, 3B, 3C for unwanted invasive weeds such as torpedo grass, alligator weed, sedge, thalias, pennywort, bulrush, and primrose. Some weeds are actively growing within the littoral zone and are being selectively targeted to avoid damage to beneficial littoral plants and treated grasses, brush, and invasive weeds along the Northern shoreline of Lake #6 (Portofino Marinas, Sorrento shoreline) and aquatic vendor also treated grasses, brush, and invasive weeds along the Southern shoreline/Rip rap of Lake #5. Water levels are continuing to rise and are at presently 18.5' due to recent rains.
- Aquatic vendor treated surface algae in Lake #6G. Treated planktonic algae in Lake #6R. Added Lake dye to Lake 6R for algae control and to improve aesthetics. Also, treated submerged algae along the southern shoreline of Lake #6 and submerged aquatic vegetation (Marine Naiad) in the middle of the eastern waterway adjacent to the Via Salerno Way roundabout.
- There's still a significant amount of cane toad related activity. It slowed slightly when we had the heat wave with no rain but the cane toad vendor is back to full swing again. The total count this month was 710.

#### **2. Drainage**

- Concrete riser and riprap were added to the drainage drains located near the tennis courts to prevent sediment and debris run off from blocking the drains.

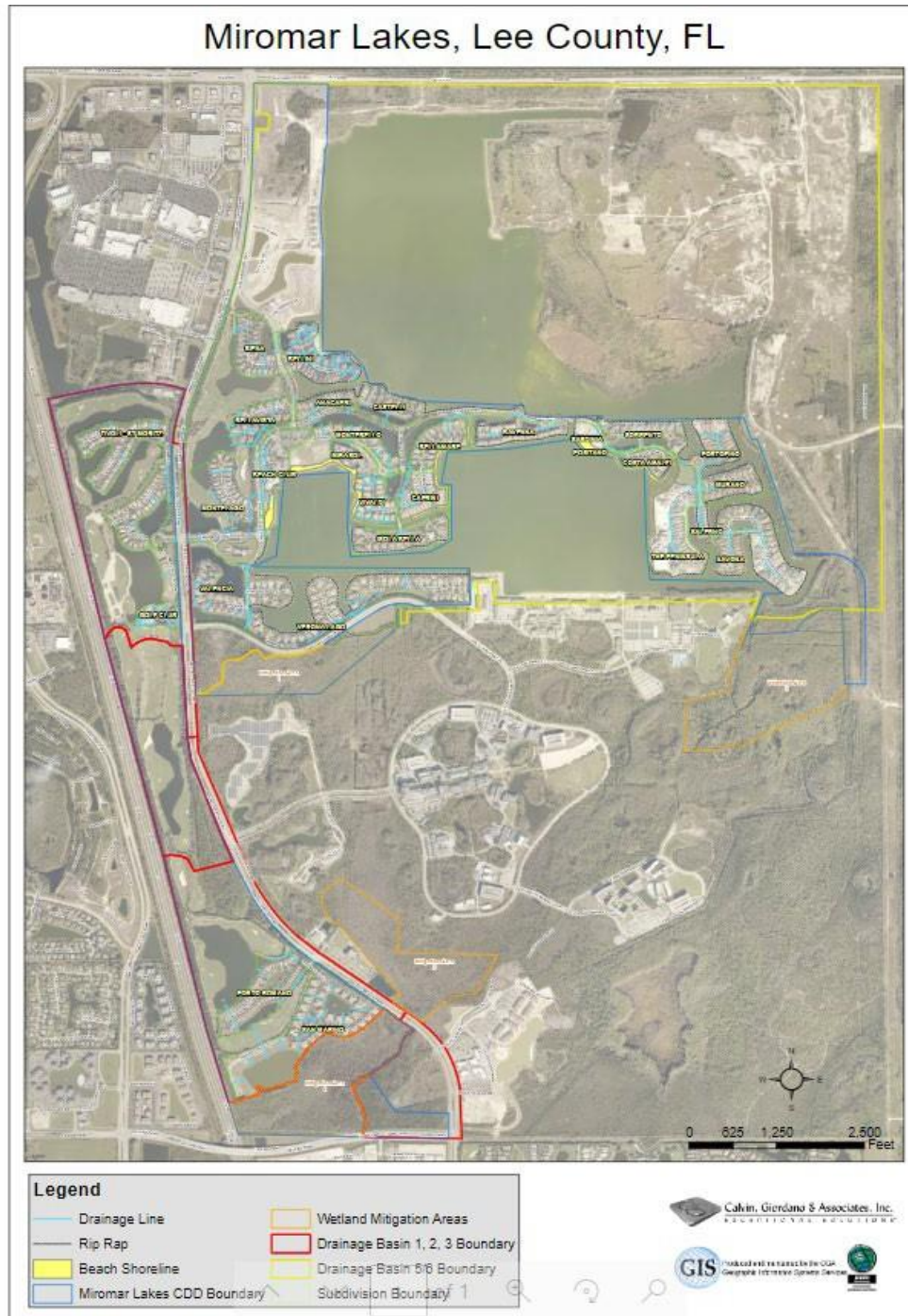
#### **3. Capital**

- Soultude has suggested the big lake is ready for a low amount of Grass Carp. The typical stocking densities for 100% eradication range from 10-20 Grass Carp per vegetative acre. This variance in stocking densities/success is impacted by a great deal of variables such as vegetation species, water quality, size of carp, predation, escapement, mortality, etc.
- Soultude has stated the past records from pervious fish stocking vendor, 3,500 10-12 Grass Carp were stocked in October 2012. Based on mortality projections that leaves around 230 Grass Carp in the lake currently, which coincides with the gradual resurgence of vegetation over the past 12 months.
- The current vegetation coverage is approximately 75 acres. Soultude is suggesting we start with adding five (5) additional Grass Carp per vegetative acre, totaling 375 fish. Stocking 12–14-inch Grass Carp will provide the best odds of limiting mortality, predation, escapement, etc. which will improve the odds of success. A permit is in place to stock the fish that was granted by FWC (up to 1,100 fish are available on the permit).

#### **4. Future Items**

- Fountain for lake 3C has mechanical issues and will be remove this month to determine the repairs needed to put back in service.

### III. LOCATION MAP



**Calvin, Giordano & Associates, Inc.**  
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#### IV. DISTRICT ASSET MANAGERS PHOTOS



**I. ASSET MANAGER'S REPORT COMPLETE**

By: \_\_\_\_\_

By: Richard Freeman  
District Field Manager

New construction in the parking lot, near the tennis  
court.