

MIROMAR LAKES COMMUNITY DEVELOPMENT DISTRICT

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

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

The following items are currently outstanding:

1. Lake Maintenance

- Aquatic vendor treated grasses, brush, and invasive alligator weed, pennywort, and broadleaf vegetation in littoral areas of lakes #1A, 1C, 6B, 6D,6E, 6F, 6G, 6H, 6O, and 6P. Aquatic vendor also treated grasses and weeds along the southern shoreline of Lake #5 (Bellini and Anacapri shoreline). Grasses and weeds along the Isola Bella CT peninsula in lake #6 were also treated. They also spot-treated surface algae and submerged aquatic vegetation (Hydrilla) along the shoreline of the Beach Club Marina.
- Water levels are starting to rise with recent rains. Site inspections were done on all golf course lakes. No algae or submerged aquatic vegetation is present. CDD will continue to monitor golf course lakes.
- Cane toad vendor is still busy and will be for a while through the rainy/breeding season. Removal is becoming a bit more difficult with the rising waters. The tadpoles are not in the shallows as much. Cane toad vendor is making some traps that will be soon introduced in the tadpole removal. There is a lot of larvae strands in the lakes south of the main gate where there are grasses. 645 Cane toads were removed this month.

2. Drainage

- Miromar Lakes has started construction in the parking lot near the tennis courts. The CDD staff contacted Miromar Lakes to have them provide a plan for the parking lot construction. CDD staff checking on drainage piping that is presently located in the parking lot area.

3. Capital Fishier Update

- Approximately 90% of the aquatic vegetation installed this spring has survived and is doing well. Some of the young plants were struggling during the extended period of no rain but are now recovering/doing well. Aquatic vendor has not observed lily pad growth from the plants installed this spring, so it's likely those plants died. Overall, the lake is on track with its objective to establish beneficial vegetation species that Grass Carp do not eat.
- Submersed aquatic vegetation is currently growing faster than the Grass Carp can consume it. This is desired (for the short-term), although it is a delicate situation, and leaves us vulnerable to homeowner complaints. Based on rough estimates, there is currently 40-50 acres of aquatic vegetation present. Vallisneria (eel grass) is the most abundant submersed species, followed by Illinois pondweed. This makes sense, since these two submersed plant species are less desirable to Grass Carp compared to the other species observed. Other submersed vegetation present in low numbers is Southern Naiad, bladderwort, hydrilla and chara. The long-term goal is to use Grass Carp to control these underwater plants, but during this transition phase of establishing beneficial emergent species, there needs to be a period where the Grass Carp population is unable to maintain sufficient control. This vulnerable transition phase will last for another 12-24 months and is something that needs proper attention. The aquatic vendor is suggesting that we may need to stock low numbers of Grass Carp this year depending on how quickly the submersed vegetation grows this summer. It is also possible that a couple one-time herbicide applications need to be made to knock back this growth and buy time until beneficial vegetation can become fully established.

III. LOCATION MAP



IV. DISTRICT ASSET MANAGERS PHOTOS







I. ASSET MANAGER'S REPORT COMPLETE

Photo of Vallisneria. (Eel grass)

Emergent plants installed this spring.

By: _____
By: Richard Freeman
District Field Manager