

# LAKE AND POND REMEDIATION, INC.

&

CHARLES AQUACULTURE, LLC

15350 N US Highway 301 Citra, FL 32113

LAPR Office: 352-595-8863

Fish farm Office: 352-595-1700

## Service Report

Date: May 20, 2024

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Schooner

Weather Conditions: Warm, windy, mostly cloudy today.

Special Notes: After the recent rains, the lakes have come up significantly. Mosquito fish (Gambusia) are being stocked in Lakes Y-2 and L to help combat the midge fly issues.

Lake Y-2: Rated: 9

- Minimal debris in the NE cove.
- Aeration and Ultrasound are working.
- Minimal Midge Flies.



Treatment: I hand raked the debris blown into the NE cove. 16,000 Gambusia were stocked last Thursday, which will help combat the midge fly issues.

Recommendations: None.

**Lake L:**    **Rated: 9**

- Minor debris along the shoreline.
- Minimal Midge Flies.
- More mosquito fish (gambusia) to be stocked soon.



**Treatment:** No chemical treatment needed. 3,000 gambusia were stocked last Thursday. More will be coming soon to total 26,000 when complete.

**Recommendations:** None.

**Lake 10:**    **Rated: 10**

- Minimal shoreline grasses, good kill from previous treatment.



**Treatment:** None needed.

**Recommendations:** None.

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### Lake 1: Rated: 9

- Water level has come up.
- Bacopa is moderate around perimeter.



**Treatment:** None needed.

**Recommendations:** None.

### Lake 2: Rated: 9

- Water level is up from rains.
- Bacopa (submerged plant) around the shoreline.



**Treatment:** None needed.

**Recommendations:** None.

**Lake CSP: Rated: 10**

- Minimal weeds.
- No trash.



**Treatment:** None.

**Recommendations:** None.

**Lake A1: Rated: 10**

- No weeds, looks good.



**Treatment:** None.

**Recommendations:** None.

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Lake ER-1: Rated: 7

- Water level has come up.
- Bacopa and red ludwigia are moderate around perimeter.



**Treatment:** None until water recedes.

**Recommendations:** None.

Lake A: Rated: 9

- Minor shoreline grasses.



**Treatment:** None needed.

**Recommendations:** None.

**Lake A South:    Rated: 5**

- Very heavy naiad around the perimeter.
- Spotty chara.
- Minor torpedo grass.
- No trash.



**Treatment:** I launched the airboat and treated the naiad.

**Recommendations:** Needs more grass carp.

**Lake MUB-4:    Rated: 9**

- Floating debris on north end from grass carp feeding.



**Treatment:** None.

**Recommendations:** None.

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Lake E: Rated: 9

- Minor shoreline grasses.



**Treatment:** None needed.

**Recommendations:** None.

Lake SV3: Rated: 7

- Aquatic clover is starting to come back.



**Treatment:** I will treat next time.

**Recommendations:** I could treat better by boat with boat access.

**Lake SV2B: Rated: 10**

- Minimal shoreline weeds among the beneficial plants.



**Treatment:** None.

**Recommendations:** None.

**Lake I-1: Rated: 9**

- Minor shoreline grasses.



**Treatment:** I will treat next time.

**Recommendations:** None.



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Lake SV2A: Rated: 10

- Good results on grasses from last week's treatment.



**Treatment:** None needed.

**Recommendations:** None.

Lake SV2C: Rated: 7

- Bacopa is dying and floating.
- Algae is gone.



**Treatment:** Good results from the last treatment.

**Recommendations:** None.

**Lake I-2: Rated: 10**

- No weeds
- Grass carp are working.



**Treatment:** None.

**Recommendations:** None.