

# LAKE AND POND REMEDIATION, INC.

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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: March 25, 2024

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Copper sulfate, Chelated copper

Weather Conditions: Overcast and windy, weather not optimal for treating lakes.

Special Notes: The two worst ponds with cyanobacteria 11 & I-1 have minimal now. In years past the cyanobacteria goes away this time of year. As expected, the cyanobacteria outbreaks have diminished with the warmer weather and longer days.

Lake Y-2: Rated: 7

- Minor grasses and algae starting around perimeter.
- Minor pine pollen and cut grass on west side.
- Ultrasound and aeration systems are functioning.



Treatment: I launched the skiff and treated the algae. I also hand raked the algae and dead grasses in the NE cove.

Recommendations: None.

**Lake 11: Rated: 10**

- Heavy cyanobacteria has dissipated.
- Good kill on grasses.



**Treatment:** None needed.

**Recommendations:** I will monitor this lake closely.

**Lake L: Rated: 8 east, 9 west**

- Moderate algae around the perimeter has diminished after the heavy rains.



**Treatment:** I hand raked the floating algae in the NW corner.

**Recommendations:** Grass carp are doing well

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Lake 6: Rated: 9

- Heavy rains have helped the floating decaying vegetation to break down.



**Treatment:** No treatment today, lake looks much better.

**Recommendations:** None.

Lake I-1: Rated: 10

- There are no cyanobacteria today.



**Treatment:** None needed.

**Recommendations:** None.



**Lake V-2:** Rated: 9

- Minor algae around perimeter.
- Good kill on grasses.



**Treatment:** None needed.

**Recommendations:** I will monitor this lake closely.

**Lake N:** Rated: 9

- Minor debris and pine pollen on the south end.



**Treatment:** I hand raked the floating debris and pollen.

**Recommendations:** Grass carp are doing well

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Lake ER-1: Rated: 7

- Spotty submersed bacopa and red Ludwigia.
- Minor perimeter grasses.



**Treatment:** None today.

**Recommendations:** Grass carp have not kicked in yet.