

# 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: September 18, 2023

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Ecomazapyr, Copper sulfate  
Chelated copper, Diquat

Lake E: Rated: 7

- Moderate algae.
- Minor floating dying naiad from previous treatment.
- Moderate floating algae around perimeter.



**Treatment:** I launched the airboat and treated the algae around the perimeter. I also hand raked the heaviest algae and naiad from the northeast cove.

**Recommendations:** I plan to stock more grass carp this Fall.

**Lake SV3:** Rated: 4

- Heavy floating clover around perimeter.
- Heavy floating algae from dying floating clover that is feeding algae as it dies.

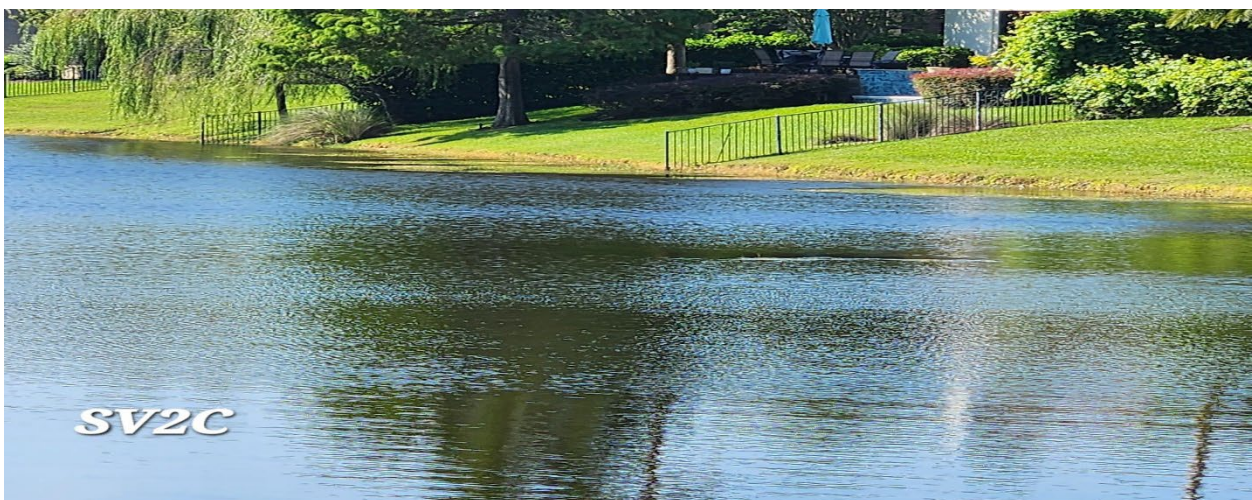


**Treatment:** I treated most of the live floating clover as best I could by backpack. I plan to treat algae next time.

**Recommendations:** Provide boat access, this lake would be far more controllable if treated by boat.

**Lake SV2C:** Rated: 6

- Patches of topped out bacopa along the shoreline.
- Minor torpedo grass is dying from last treatment.



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

**Recommendations:** I plan to stock more grass carp.

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### Lake V-2: Rated: 6

- Very heavy regrowth of chara, macrophytic algae (looks like submersed aquatic plant).
- Spotty spikerush around perimeter.
- Spotty torpedo grass is dying from the last treatment.



**Treatment:** I launched the airboat and treated the chara and spikerush. The growth rate of the chara in this lake is extreme, it is like no other lake in Palencia. I assume there is a nutrient source I am unaware of (may be from water being pumped in on east side where the chara regrows the fastest and is the heaviest).

**Recommendations:** I plan to stock more grass carp this Fall.