

# 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: January 29, 2024

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Alum, Green Clean,  
Copper Sulfate, Chelated copper

Weather Conditions: Cool, windy, sunny today.

Special Notes: There has been a continuing outbreak of cyanobacteria on several of the lakes in Palencia Including 11, I-1, Y-2 .

Lake Y-2: Rated: 7

- Cyanobacteria is much less.
- Moderate black algae has floated up from the pond bottom, and is around the edge of the north cove.



Treatment: I launched my boat and fixed the ultrasound float, so the ultrasound is now working again. I also treated the black algae by airboat.

Recommendations: None.

**Lake I-1:** Rated: 5

- Moderate layer of cyanobacteria blown into the east and west ends of the lake.



**Treatment:** I launched my boat and applied 50 lbs. of alum on the heavy cyanobacteria.

**Recommendations:** None.

**Lake N:** Rated: 9

- Cyanobacteria is mostly gone, some dead floating in the south end.



**Treatment:** None needed.

**Recommendations:** None.



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### Lake A: Rated: 9

- Cyanobacteria has dispersed into the water column and there are no floating green mats of cyanobacteria.



**Treatment:** None needed.

**Recommendations:** Need dry weather.

### Lake 11: Rated: 4

- Heavy cyanobacteria on the north and south end of the lake.
- Ten baby gators observed on the undeveloped side of lake.



**Treatment:** I treated both sides of the lake by backpack with Green Clean.

**Recommendations:** Need dry weather.

**Lake L:** Rated: 8

- No dead grass carp observed.
- Moderate green algae on the east side.



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

**Recommendations:** Need dry weather.

**Lake V-2:** Rated: 5

- Very heavy algae bloom around the entire perimeter.
- Moderate floating bladderwort and naiad topped out with algae on top.



**Treatment:** I launched the airboat and treated the algae, bladderwort, and naiad.

**Recommendations:** Need dry weather.

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