

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: November 4, 2024

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Alum, Cutrine, Cidekick

Weather Conditions: Partly cloudy, low wind, warm today.

Special Notes: Lake 11 has a severe outbreak of cyanobacteria even after several alum treatments. Next week Lakes 1 and A South will be treated.

Lake Y-2: Rated: 7

- Cyanobacteria along the edge of the lake.
- Aeration and ultrasound are working.





Treatment: Treated the cyanobacteria and installed the other two bio-blocks. I found the end of the discharge pipe from the golf course and will need to use a float since it is so far offshore.

Recommendations: I plan to treat with alum on Monday. Took water sample to the lab last Friday and hope to have the results by next week.

Lake 11: Rated: 4

- Severe cyanobacteria today, most of it is blown into the south end.



Treatment: I treated cyanobacteria with 200 pounds of alum and Cide Kick to bind the phosphorous and drop the current infestation.

Recommendations: I plan to treat this lake again next week.

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Lake 4: Rated: 4

- Floating biofilm with planktonic algae sticking to it.
- Minor duckweed.



Treatment: I launched my airboat and treated the biofilm and duckweed.

Recommendations: I will monitor this pond; it typically gets a bio-film this time of year.