

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: January 15, 2024

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Alum, Green Clean

Weather Conditions: Cool, overcast today.

Special Notes: There has been a continuing outbreak of cyanobacteria on several of the lakes in Palencia including: 11, N, I-1, Y-2 and A. I believe this outbreak is due to heavy rains during the dry season bringing in excess nutrients.

Lake Y-2: Rated: 6

- Cyanobacteria is heavy in extreme southern tip of the south lake.
- **Float on Ultrasound has failed, and transducer has sunk to the bottom.**
- Moderate cyanobacteria on the west side.



Treatment: I launched my boat and **treated the cyanobacteria with 50 lbs. of alum** and **removed the sunken transducer to the ultrasound.** I will replace the float next visit to the transducer and get it working again.

Recommendations: None.

Lake I-1: **Rated: 3**

- An extremely heavy and thick layer of cyanobacteria was blown into the south side of lake.



Treatment: I launched my boat and **applied 100 lbs of alum** on the heavy cyanobacteria.

Recommendations: None.

Lake N: **Rated: 6**

- Cyanobacteria has returned to the south end.



Treatment: I treated cyanobacteria with Green Clean (hydrogen peroxide). It was already turning brown before I left.

Recommendations: None.

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Lake A: Rated: 6

- Heavy cyanobacteria on the south end but spread out.



Treatment: I was able to launch my boat for the first time and treat the cyanobacteria with 100 lbs of alum.

Recommendations: Need dry weather.

Lake 11: Rated: 5

- Heavy cyanobacteria on the north end of the lake.



Treatment: I treated the cyanobacteria by backpack with Green Clean.

Recommendations: Need dry weather.

Lake L: Rated: 10

- Great shape!



Treatment: None.

Recommendations: None.

Lake V-2: Rated: 6

- Moderate algae.



Treatment: Will treat next week.

Recommendations: None.