

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: October 16, 2024

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: EarthTech

Weather Conditions: Partly cloudy, windy, cool today.

Special Notes: We have three lakes with outbreaks of cyanobacteria now, Y-2, I-1 and I-11. These three will be treated with alum until they no longer have cyanobacteria. The windy conditions tend to knock down the floating cyanobacteria as it prefers stagnant conditions.

Lake Y-2: Rated: 7

- Cyanobacteria is barely noticeable.



Treatment: Inspection only.

Recommendations: I plan to treat with alum on Monday.

Lake 11: Rated: 7

- Fish kill occurred earlier in the week, today there were only three bluegill and one bass.
- Minor cyanobacteria today, it has dissipated somewhat.



Treatment: I treated cyanobacteria with Earthtec (labeled for cyanobacteria control). I also picked up the dead fish. The fish kill was most likely due to the cyanobacteria which has cyanotoxins which are toxic to fish.

Recommendations: I plan to treat with Alum on Monday.

Lake I-1: Rated: 7

- Floating Cyanobacteria has dissipated.
- Minor floating green algae on the north side that is dying from Monday's treatment.



Treatment: Inspection only.

Recommendations: I will treat with Alum on Monday.