

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 23, 2024

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Alum, Copper sulfate, Cutrine, Ecomazapyr, Aquaneat, Cidekick

Weather Conditions: Partly cloudy, hot, light winds out of NE.

Lake Y-2: Rated: 6

- Lake level is high.
- Moderate to heavy floating cyanobacteria (single celled blue-green algae) in north cove only.
- Ultrasound is on, but not working as well as expected it should help control floating cyanobacteria).
- Midge Flies are light.



Treatment: I launched the airboat and applied 200 pounds of alum on the cyanobacteria and across the entire north cove to drop the cyanobacteria and the phosphorous in the water column to starve the cyanobacteria. The wind out of the NE blew some of the cyanobacteria away from the NE cove area.

Recommendations: Please let me know how this area looks on Friday so I can be better prepared to treat next Monday.

Lake 6: **Rated: 5**

- Heavy floating dead and decaying weeds with algae growing on the dead vegetation.



Treatment: I launched the airboat and broke up the floating mats of dead weeds and treated the algae.

Recommendations: I plan to stock 30 grass carp this Fall to help control the weeds.

Lake I-2: **Rated: 8**

- Minor to moderate shoreline grasses.



Treatment: I treated the grasses by airboat. The carp are doing a great job.

Recommendation: None.

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Lake V-2: Rated: 10

- Shoreline grass treatment from the last visit was very effective.



Treatment: Inspection only.

Recommendations: None.