

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: October 14, 2024

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Earthtec, Navigate,
Aquaneat, Ecomazapyr, Weedar 64

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

Special Notes: Jim and I had a meeting with Board member Dr. Howard regarding Y-2 north cove.

Lake Y-2: Rated: 7

- Cyanobacteria has returned but not as heavy as before.



Treatment: I launched the airboat and treated the floating cyanobacteria with a new chemical labeled for cyanobacteria, called Earthtec.

Recommendations: The outcome of the meeting had several recommendations:

- 1) Have the water coming into this area from the golf course lab tested for Total Nitrogen and Total Phosphorous as well as an algae ID test.
- 2) Install the Bacteria blocks above the three diffusers.
- 3) Install Eutrosorb at inflow pipes from golf course <https://sepro.com/aquatics/eutrosorb>
- 4) Investigate better fertilizers to use that will impact lakes less.
- 5) Continue to apply aluminum sulfate to lower phosphorous levels.
- 6) I will submit quotes for the above recommendations.

Lake L: Rated: 8

- Water level is high.
- Minor to moderate shoreline grasses.



Treatment: I plan to treat the grasses when the water level recedes.

Recommendations: None.

Lake I-1: Rated: 6

- Floating Cyanobacteria has returned.
- Minor floating green algae on the north side.
- **Five foot gator spotted.**



Treatment: I spot treated the green algae with copper sulfate.

Recommendations: I will closely monitor this lake closely and treat as needed.

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Lake SV2A: Rated: 9

- Minor shoreline grasses.



Treatment: Inspection only.

Recommendations: None.

Lake SV2C: Rated: 9

- Spotty bacopa in the shallows.



Treatment: I launched the airboat and spot treated the bacopa with Navigate.

Recommendations: I plan to stock more grass carp this winter.

Basin A: **Rated: 6**

- The grass treatment from last week is starting to work.
- The bladderwort treatment has already been effective.



Treatment: Inspection only.

Recommendations: None.

Basin B: **Rated: 7**

- Grasses around the upper edge are dying from last week's treatment.
- The water color is brown.



Treatment: Inspection only.

Recommendations: None

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Lake I-2: Rated: 10

- Excellent kill on the shoreline grasses.



Treatment: None needed.

Recommendations: None.

Lake N: Rated: 8

- Minor shoreline grasses.



Treatment: Inspection only.

Recommendations: None.

Lake KK: Rated: 8

- Good kill on shoreline grasses.
- Some naiad coming back.



Treatment: Inspection only.

Recommendations: Stock more grass carp to control the naiad.

Lake JJ: Rated: 8

- Moderate to heavy shoreline grasses.



Treatment: I treated the shoreline grasses by backpack.

Recommendations: None.

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Lake LL: Rated: 8

- Heavy pennywort.



Treatment: I treated the pennywort with a backpack.

Recommendations: None.