

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: February 19, 2024

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Green Clean, Aquaneat,
Polaris, Navigate

Weather Conditions: Cool start, low wind, partly cloudy then sunny today.

Special Notes: The two worst ponds (11 and I-1) with cyanobacteria, were less infested but not yet completely controlled. **Gator and babies in Pond 11.**

Lake Y-2: Rated: 9

- Cyanobacteria is still under control since fixing the ultrasound.
- Moderate pine pollen on west side.



Treatment: None needed, ultrasound is working.

Recommendations: None.

Lake I-1: **Rated: 5**

- Less heavy layer of cyanobacteria blown into the south and west ends of the lake.
- This cyanobacterium is light green indicating it is dying.



Treatment: I launched my boat and applied 10.0 gallons on the heavy cyanobacteria.

Recommendations: I will continue to closely monitor this infestation.

Lake A: **Rated: 10**

- Cyanobacteria has diminished.
- Minor pine pollen.



Treatment: None needed.

Recommendations: None.

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Lake N: Rated: 9

- No Cyanobacteria in the south end, but some pine pollen.



Treatment: None needed.

Recommendations: Need dry weather.

Lake 11: Rated: 5

- Heavy cyanobacteria on the south end of the lake.
- **Approximate 5-foot gator and about 10 babies in this pond.**



Treatment: I treated 2.5 gallons of Green Clean by backpack.

Recommendations: I will monitor this lake closely.

Lake L: **Rated: 9**

- There is much less algae around the perimeter after last week's treatment.



Treatment: None today.

Recommendations: Need dry weather.

Lake 10: **Rated: 9**

- Spotty alligatorweed and torpedo grass around perimeter.



Treatment: I treated around the perimeter by backpack.

Recommendations: Thanks for the no fishing sign.

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Lake 1: Rated: 10

- No weeds, looks good.



Treatment: None needed.

Recommendations: None.

Lake 2: Rated: 9

- Some floating pulled up weeds from grass carp feeding.



Treatment: None needed.

Recommendations: None.

Lake CSP: Rated: 10

- There was trash in the south end.



Treatment: I picked up the trash.

Recommendations: None.

Lake A-1: Rated: 10

- No weeds, pond look good.



Treatment: None needed.

Recommendations None.

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Lake ER-1: Rated: 7

- Moderate red Ludwigia and Bacopa around the shallows.



Treatment: I broadcast herbicide on the east side of the infestation.

Recommendations: None.

Lake A South: Rated: 8

- Minor bacopa and minor floating green algae.



Treatment: I may treat next week.

Recommendations: None.

Lake MUB-4: **Rated: 9**

- Some floating pulled up weeds from grass carp feeding.



Treatment: None needed.
Recommendations: None.

Lake E: **Rated: 9**

- Minor floating algae.



Treatment: I picked up the trash.
Recommendations: None.

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Lake SV3: Rated: 6

- Moderate to heavy floating clover.
- Spotty torpedo grass around perimeter.
- Grass carp have eaten a lot of the naiad.



Treatment: I treated the floating clover and torpedo grass with a backpack.

Recommendations: Please get permission to use easement.

Lake SV2B: Rated: 10

- The beneficial wetland plants look good and the invasives are under control.



Treatment: None.

Recommendations: None

Lake SV2A: Rated: 10

- No weeds pond looks good.



Treatment: None.

Recommendations None.

Lake SV2C: Rated: 7

- Spotty submersed bacopa in the shallows.
- Some floating bacopa from grass carp feeding.



Treatment: I spot treated the bacopa with granular herbicide.

Recommendations: None.

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Lake I-2: Rated: 10

- No weeds looks good.



Treatment: None.

Recommendations: None.

Lake 4: Rated: 5

- Floating cyanobacteria floating on south end.



Treatment: I launched the airboat and treated the cyanobacteria.

Recommendations: None.