

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 26, 2024

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Green Clean, Polaris,
Navigate, Platoon

Weather Conditions: Cool start, low wind, then sunny and warm today.

Special Notes: The two worst ponds, 11 and I-1 with cyanobacteria, continue to be an issue.

Lake Y-2: Rated: 10

- 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**

- Thinner layer of cyanobacteria blown into the east end of the lake.
- This cyanobacterium is light green (indicating it is dying from my treatments).
- The cyanobacterium lives in the water column, coming to the surface to conduct photosynthesis and goes down to the bottom for nutrients.



Treatment: I launched my boat and applied 15.0 gallons of green clean 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: 7

- No cyanobacteria in the south end.
- Spotty bacopa with algae on the topped out bacopa.



Treatment: I treated the bacopa with Navigate and hand raked the floating weeds.

Recommendations: None.

Lake 11: Rated: 4

- Very heavy cyanobacteria on the west end of the lake.



Treatment: I plan to treat this lake with 30 gallons of Green Clean next Monday.

Recommendations: I will monitor this lake closely.

Lake L: Rated: 9

- Spotty algae on the east side.



Treatment: None today.

Recommendations: Need dry weather.

Lake KK: Rated: 10

- Minimal grasses around perimeter.



Treatment: None needed.

Recommendations: None.

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Lake JJ: Rated: 9

- Minor bacopa and pennywort around the edge.



Treatment: None needed.

Recommendations: None.

Lake LL: Rated: 7

- Heavy pennywort on the south side.
- 7-foot gator observed (see photo).



Treatment: I treated the pennywort by backpack.

Recommendations: Remove gator.

Lake X-1: Rated: 10

- Fish barrier had missing bar.



Treatment: I replaced the bar.

Recommendations: None.

Lake 5: Rated: 10

- No weeds, looks good.



Treatment: None needed.

Recommendations None.

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Lake 4: Rated: 7

- Moderate cyanobacteria in the north end.



Treatment: I launched the airboat and treated the cyanobacteria with 2.5 gallons of Green Clean.

Recommendations: None.

Lake V-2: Rated: 0

- Minor floating dead weeds.



Treatment: None.

Recommendations: None

Lake 6: Rated: 6

- Moderate perimeter of bladderwort, spikerush, and algae.



Treatment: I launched the airboat and treated the weeds listed above.

Recommendations None.

Lake 7: Rated: 10

- Minimal grasses.
- No spikerush (grass carp are working).



Treatment: None needed.

Recommendations: None.

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Lake 9: Rated: 9

- Minor floating algae along edge.
- Spotty bacopa and torpedo grass.



Treatment: I hand raked the thickest part of the weeds.

Recommendations: None.

Lake 8: Rated: 10

- No weeds, the lake looks good.



Treatment: None needed.

Recommendations: None.

Lake 3: Rated: 9

- Minor bacopa along the edge.



Treatment: None needed.

Recommendations: None.