

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: August 21, 2023

Biologist: Doug Charles

Client: Palencia, Marsh Creek CDD

Ratings: 1 – 10 (Best is 10)

Waterways: 32 ponds

Herbicides used: Glyphosate, Ecomazapyr,
copper sulfate, Cutrine

Lake 10: Rated: 8

- Benthic (bottom) algae has flaked off the pond bottom and floated to north side.
- Minor dead grasses along shoreline.



Treatment: I hand raked the algae out of the pond.

Recommendations: Thank you for posting no trespassing/ no fishing signs as requested.

Lake 1: Rated: 6

- Moderate algae, bladderwort, and grasses.
- Water level is high.



Treatment: I treated the weeds by airboat.

Recommendations: I plan to stock gras carp in this pond this Fall to better control the weeds.

Lake 2: Rated: 6

- Moderate floating algae and shoreline grasses.
- Spotty bacopa around edge.
- New bleddown fish barrier is clogged causing water level to be too high.



Treatment: I launched the airboat and treated the algae, bacopa and grasses. I also cleaned the bleddown fish barrier so the pond will return to its normal level.

Recommendations: I plan to stock more grass carp this Fall to better control the weeds.

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Lake A-1: Rated: 10

- Minimal shoreline grasses.
- No algae or submerged aquatic weeds.



Treatment: None needed.

Recommendations: None.

Lake CSP: Rated: 9

- Minor weeds



Treatment: Hand raked alligatorweed.

Recommendations: None.

Lake ER-1: **Rated: 6**

- Heavy grasses around perimeter.
- Heavy bacopa and red ludwigia (beneficial submersed plants) around the edge.



Treatment: I launched the airboat and treated the grasses and exposed plants. The grass carp are not eating the submersed plants fast enough to keep up with their growth rate. **This lake is used for irrigation, so my aquatic herbicides are limited.** I also hand raked about 200 feet of the submersed plants.

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

Lake A : **Rated: 9**

- Minimal shoreline grasses and algae



Treatment: None needed.

Recommendations: None.