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: April 15, 2024

Client: Palencia, Marsh Creek CDD

Waterways: 32 ponds

Biologist: Doug Charles

Ratings: 1 – 10 (Best is 10)

Herbicides used: Glyphosate, Platoon, copper sulfate, Cutrine, Schooner

Weather Conditions: Sunny, low winds, weather is good for treating lakes.

Special Notes: The cyanobacteria in Lake 11 has returned, but is not as heavy.

Lake Y-2:   Rated: 8

- Spotty grasses around perimeter, south side of lake.
- Moderate debris blown into NE cove.

Treatment: I launched the airboat and treated grasses in the south side and hand raked debris in the NE cove.

Recommendations: None.

- Moderate floating cyanobacteria in the NE corner.
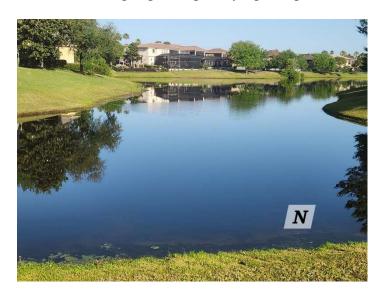- Minor debris around perimeter.

Treatment: Inspection only, this type of weed dissipates as it warms.
Recommendations: I will monitor this lake closely.

Lake N: Rated: 8

- Minor algae growing on dying bacopa.

Treatment: I hand raked the dying bacopa and treated the remaining algae.
Recommendations: None.

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Lake JJ: Rated: 9

- Minor shoreline grasses around perimeter.

Treatment: I will treat when the grasses become heavier.
Recommendations: None.

Lake KK: Rated: 8

- Spotty grasses around perimeter.
- Small gator in the pond.

Treatment: I will treat grasses next time.
Recommendations: Have gator removed.

Lake LL: Rated: 8

- Moderate pennywort around perimeter.
- Six foot gator in the pond.

Treatment: I treated the pennywort by backpack.
Recommendations: Remove gator.

Lake X-1:   Rated: 10

- Torpedo grass out of the water at water's edge.

Treatment: I cleaned the fish barrier.
Recommendations: Trim torpedo grass down to water's edge.

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Lake 4:   Rated: 10

- Heavy overgrowth of terrestrial plants on undeveloped side.

Treatment: Inspection only.
Recommendations: None.

Lake 5:   Rated: 9

- Minor shoreline grasses around perimeter.

Treatment: I will treat if grasses become heavier.
Recommendations: None.

Lake V-2:   Rated: 10

- All weeds under control.
- Grass carp are working.

Treatment: Inspection only, lake looks great.
Recommendations: Be on the lookout for gators.

Lake 6:   Rated: 6

- Heavy floating algae growing on dying submersed weeds.

Treatment: I launched the airboat and treated the algae.
Recommendations: I may need more grass carp.

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Lake 7:   Rated: 10

- Minor torpedo grass and pennywort along the edge.

Treatment: I treated the grasses by backpack. Grass carp are doing a great job.
Recommendations: Be on the lookout for gators.

Lake 9:   Rated: 4

- Heavy duckweed covering most of the pond.
- Moderate grasses along the edge.

Treatment: I treated by backpack only. I needed to launch the boat, but the access is very wet and soft. Backing in the boat would have caused deep ruts so I will check next week.
Recommendations: There is another way into the lake, but I will need permission when the homeowner is home.

Lake 8:   Rated: 9

- Minor pennywort along the edge.

Treatment: I treated the pennywort by backpack.
Recommendations: None.

Lake 3:   Rated: 7

- Heavy red Ludwigia along the edge.
- Minor grasses along the edge.

Treatment: Inspection only, I will treat next time.
Recommendations: Be on the lookout for gators.