



PROPOSAL

Phone: (561) 704-4051
coastalaquaticservices@gmail.com

NUMBER: 01375

Date: 1/21/2026

TO:

Marina at the Bluffs
HOA Association
Attn: Rocky
Jupiter, FL 33477
Rocky@marinabluffs.com

Silting Removal for Marina at the Bluffs Main Lake:

Set up protective Dura Matt at the midway point of the lake to create a ramp for our work vessel to be launched and pulled out of the water during the time of work.

We will also be using this area for the change out of our silt removal, attachment and bucket connection as well as sections of 4-inch hoses running from the work vessel to the back of dump trailers.

Coastal Aquatic Services will also have additional sections of Dura Matt on the shoreline to pull out scoops of vegetation to dry to haul away with dump trailers.

2 Sections will be set up with Dura matt to back down to lake edge with (2-4 x 4) trucks attached with 16-foot dump trailers for the removal process.

Coastal Aquatic Services will be lining the interior of each dump trailer with heavy duty 6 mm plastic this plastic will be used to wrap around the dewatering silting bags that will be taken away from the property, as well as having a section of plastic running back down into the water. This will allow water to return to the lake.

Once silt removal bags are full, each trailer will rotate to dispose of waste. This will meet regulations for dry transportation removal from the site. Covering with plastic Tarp.

Throughout this process, Coastal Aquatic Services will need to wash down the exit ramp areas. We will also be providing pressure cleaning equipment weekly to rinse down any black top areas of runoff.

At the completion of the project Coastal Aquatic Services will meet with the board about the areas that need to be re-sodded for additional cost. Otherwise, if preferred, the Bluffs Marina Association will handle in-house.

The work vessels procedures:

Each section that is started will be edged around the perimeter using our bucket attachment scooping out aquatic, vegetation, muck, or silt and dumping it on the side of a protective Dura Matt then being dumped into one of the trailers for removal.

After this process, we will be raking and manicuring the sides of the lake edge of shoreline. The work vessel will then set up silt removal attachment and outtake hose running to dump trailers for all removal of silt.

This will be performed to all the sections that have been mapped out and gone over with Coastal Aquatic Services and the Bluffs Marina Association HOA.

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Option 1: Silt Removal for Main Lake

Total Cost: \$82,297.00

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Option 2: Silt Removal for Main Lake, including shoreline restoration and vegetation removal.

Total Cost Revised: \$86,417.00

Note: Revised total cost of Option 2 with discount upon signing complete job.

Please initial the box that applies to the scope of work to be completed.

Initial evaluation fee of \$1225 owed within 30 days, otherwise it will be waived upon signing of this proposal. (Fee Due 7\21\2026 without signing)

Make all checks payable to: Coastal Aquatic Services LLC

-Deposit varies based on option of choice.

Initial Deposit 30%

-40% payment due Week 3 of Silt Removal and Equipment on site.

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-Final payment of 30% due upon approval of completion of job.

Approximate time frame for completion 6-8 weeks. (work will coincide with Bluffs Marina managements time schedule 5 days a week)

- When/If project is split in half due to request of Marina at the Bluffs HOA, Coastal Aquatic Services remobilization for second portion of the lake it will cost an additional \$5,250

The above prices, specifications, and conditions are satisfactory, and we are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Bluffs Marina Association

Signature: _____ Date: _____

Print Name: _____

Signature: _____ Date: _____

Print Name: _____

Coastal Aquatic Services

Signature: _____ Date: _____

Print Name: _____

Benefits of Silt Removal:

Improved Water Quality:

Accumulated silt can harbor excess nutrients, particularly phosphorus, which contribute to algal blooms and decreased water clarity. Removing this sediment helps reduce nutrient levels, leading to clearer water and a healthier aquatic environment.

Restoration of Depth and Volume:

Over time, silt accumulation can significantly reduce a lake's depth and water-holding capacity. Dredging restores these parameters, enhancing habitats for fish and other aquatic organisms, and improving conditions for recreational activities like boating and swimming.

Enhanced Aquatic Ecosystems:

By removing nutrient-rich sediments, dredging can mitigate internal phosphorus loading, which is a common cause of eutrophication—a process that depletes oxygen levels and harms aquatic life. This intervention supports a more balanced and sustainable ecosystem.

Long-Term Considerations:

While silt removal has immediate positive impacts, it's essential to consider long-term effects and implement best practices:

Sustainable Sediment Management:

Continuous monitoring and management are crucial to prevent rapid re-accumulation of silt. Implementing measures such as shoreline vegetation can help filter out sediments and nutrients from stormwater runoff, thereby reducing the rate of siltation.

Minimizing Environmental Disturbance:

Traditional dredging methods can sometimes disrupt aquatic ecosystems. Employing advanced techniques that gently remove nutrient-rich sediment layers without releasing stored nutrients can lead to more sustainable outcomes.

Comprehensive Lake Management:

Silt removal should be part of a broader lake management strategy that includes controlling external nutrient inputs, managing aquatic vegetation, and monitoring water quality to ensure long-term ecological balance.

In summary, silt removal from Florida lakes can significantly improve water quality, restore ecological balance, and enhance recreational opportunities.

However, to achieve lasting benefits, it's important to adopt environmentally sensitive dredging methods and integrate silt removal into a comprehensive lake management plan.