



Park Board Agenda Item

Meeting Date:	Wednesday, June 28 2023
Agenda Item:	Lakes Cattail/Vegetation Project
Staff Contact (name, email, phone):	Eric Boettcher – eboettcher@whitewater-wi.gov

BACKGROUND

(Enter the who, what when, where, why)

The focus of the lakes project has now shifted to address the shoreline of the lakes. As was discussed in the staff report the cattails and vegetation along the shoreline will continue to recede, however, additional cutting and dredging will be needed to help assist this process. Quotes were provided from Eco Waterways and Field & Stream Restoration for cattails/vegetation cutting and removal. This would be for removal of areas in designated areas for both Trippe and Cravath Lake Front Park.

An additional estimate was provided by Eco-Waterways for dredging the same areas of the lakes as the cutting proposal. Our existing permit would allow for this work to be performed. Dredging requires the project to be publicly bid and could be set up to happen late summer/early fall. This option is more expensive but would provide longer lasting results than the cutting.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

June 6 , 2023 Common Council Meeting – Voted bring back with more information to later Common Council Meeting.

FINANCIAL IMPACT

(If none, state N/A)

- Cattail/Vegetation cutting - Eco Waterways total for both lakes \$29,750.00
- Shoreline Dredging – Estimate 62,000-\$74,000

Current budget funding available through lakes project fund \$25,000

Additional funding for project available through the Stormwater Utility Fund 630-63610-291 for lake weed control.

STAFF RECOMMENDATION

Staff recommends to move forward with plans to do an additional dredging project.

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. Field & Steam Cutting Proposal
2. Eco Waterways Cutting Proposal
3. Eco Waterways Dredging Estimate



FIELD & STREAM RESTORATIONS

April 19, 2023

City of Whitewater, Wisconsin
Mr. Eric Boettcher

RE: Proposal for Professional Ecological Services – Municipal Lake Drawdown and Restoration – Cravath and Tripp Lakes

Dear Mr. Boettcher,

Field & Stream Restorations (FSR) presents this proposal for Professional Restoration Services at the above-referenced project site. The project site is more specifically described as two lake beds that total about 191 acres. This proposal includes a scope of work, cost estimate, project schedule, and assumptions. FSR will initiate this project immediately upon verbal acknowledgement.

SCOPE OF WORK

Lakeshore Restoration, Cattail Removal – \$46,900 - May 2023

- Lakeshore areas available for restoration:
 - Cravath Lake Park – 1,600 linear feet (LF)
 - Tripp Lake Park – 750 LF
- Cut and remove cattail roots from a 6 ft bank along both parks
- Material will be hand-cut and dug, placed into a UTV dump bed or tractor bucket, and shuttled to a dump truck
- Cut material will be removed from site and composted.
- A DNR permit will be required. FSR will apply for that permit.

Assumptions and Exceptions

- FSR will stage work equipment safely around the project area.
- FSR staff will dress in a clean and professional manner.
- FSR will clean up all dirty pavement

COST ESTIMATE

FSR will complete the tasks outlined in the Scope of Services for a Fixed Fee as detailed above. The fees include all project expenses, including equipment, labor, fuel, signs, reports, and mobilization.

FSR will complete other tasks, extra services, and/or attend meetings in addition to the outlined scope of services, as authorized by the Client, on a time and materials basis at the hourly billing rate agreed upon by the Client. If there are changes to the scope of services that would cause the estimated fees to be exceeded, FSR will contact the Client for approval to proceed.

PROJECT SCHEDULE

FSR will initiate this project immediately following acceptance with an email or verbal call. A FSR representative will contact you to coordinate and schedule a time to proceed with the work.

PAYMENT TERMS & CONDITIONS

Payment for services and expenses will be due immediately upon receipt of invoices. Invoices for the services performed will be submitted either upon completion of such services or on a monthly basis.

Please send executed Agreement and payments to:

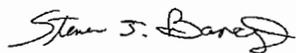
Field & Stream Restorations
3447 North Star Road
Cottage Grove, WI 53527

The above-stated fee for this scope of service is valid for 30 days from the date of this proposal.

If you have any questions, or require any additional information, please call us at (608) 320-2338.

Sincerely,

Field & Stream Restorations



Steven J. Banovetz
Senior Ecologist

Field & Stream Restorations
3447 North Star Road
Cottage Grove, WI 53527
steveb@fs-restorations.com
608-320-2338



111 Wilmont Dr Unit L | Waukesha, WI 53189
 262-337-0083 | obulls@ecowaterway.com | www.ecowaterway.com

RECIPIENT:

Boettcher Eric
 312 West Whitewater Street
 Whitewater, Wisconsin 53190
 Phone: 262-473-0122

Estimate #1342

Sent on _____

Total \$22,400.00

PRODUCT / SERVICE	DESCRIPTION	QTY.	UNIT PRICE	TOTAL
Cattail and Phragmite Cutting Service	Weed cutting service area is based on the attached maps for Cravath Lake Areas: Fishing Pier (2840 sq ft), Lakefront Dock (3920 sq ft), Circle Space (5250 sq ft);. Our approach involves manually cutting the cattails and phragmites below the water surface to eliminate them. The objective is to maintain a water depth above the cut plants, causing them to drown out. It's important to note that this method may not be effective if water levels are low, as it could lead to plant regrowth. Please note that our quote excludes the removal of any sediment or decayed material (muck) found on the lakebed. The extraction of bottom sediment is classified as dredging and necessitates permits from the Department of Natural Resources (DNR).	1	\$22,400.00	\$22,400.00
Weed Disposal	Hauling of excavated weeds to offsite location is included in this proposal.	1	\$0.00	\$0.00
Mobilization and Demobilization Fee	This proposal includes pre and post daily equipment inspections, Equipment mobilization, set up, shut down and demobilization.	1	\$0.00	\$0.00
Project Payment Terms	Terms: 30% deposit is required upon scheduling. 30% upon mobilization and 40% after completion of project.	1	\$0.00	\$0.00

Total \$22,400.00

This Estimate does not include costs of removal of any large tree branches, stumps, large rocks or other foreign matter that might inhibit the normal operation of our equipment and services. Permits are required on all jobs unless otherwise noted. TERMS AND CONDITIONS: Permitting fee is non refundable and required to be paid before permitting process can be started. We require a deposit on all weed harvesting and dredging services upon scheduling commitment. Deposit is fully refundable if cancelled prior to 30 days of dredging and 48 hours of weed harvesting scheduled start date. Invoice terms are due on receipt unless otherwise noted.

Any Alteration of deviation from the above specifications involving extra cost will be executed only upon written order and will become an extra charge over and above the estimate. All agreements contingent upon accidents, weather, or delays



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Notes Continued...

beyond our control.

Respectfully submitted by Owen Bulls, Owner of Eco Waterway Services.

Acceptance of Proposal

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

Signature _____ Date _____



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RECIPIENT:

Boettcher Eric
 312 West Whitewater Street
 Whitewater, Wisconsin 53190
 Phone: 262-473-0122

Estimate #1343

Sent on _____

Total \$7,350.00

PRODUCT / SERVICE	DESCRIPTION	QTY.	UNIT PRICE	TOTAL
Cattail and Phragmite Cutting Service	Weed cutting service area is based on the attached maps for Tripp Lake Area: Boat Launch (3950 sq ft). Our approach involves manually cutting the cattails and phragmites below the water surface to eliminate them. The objective is to maintain a water depth above the cut plants, causing them to drown out. It's important to note that this method may not be effective if water levels are low, as it could lead to plant regrowth. Please note that our quote excludes the removal of any sediment or decayed material (muck) found on the lakebed. The extraction of bottom sediment is classified as dredging and necessitates permits from the Department of Natural Resources (DNR).	1	\$7,350.00	\$7,350.00
Weed Disposal	Hauling of excavated weeds to offsite location is included in this proposal.	1	\$0.00	\$0.00
Mobilization and Demobilization Fee	This proposal includes pre and post daily equipment inspections, Equipment mobilization, set up, shut down and demobilization.	1	\$0.00	\$0.00
Project Payment Terms	Terms: 30% deposit is required upon scheduling. 30% upon mobilization and 40% after completion of project.	1	\$0.00	\$0.00

Total \$7,350.00

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Signature _____ Date _____



**Tripp and Cravath Lake Dredging Services Quote
Dated 06/01/2023**

ATTN: Eric Boettcher

Introduction:

Thank you for the opportunity to submit a quote for your bay dredging project. **Eco Waterway Services (ECO)** is a well-known premier dredging company in Wisconsin. **ECO** has 10 years of experience in dredging with a great reputation for meeting our customers' expectations. Eco is well versed in the required best management practices and permit regulations required by the WI DNR and their SE WI management team frequently refers us. Thank you for this opportunity to improve your waterway and we look forward to working with you. If you have any questions about this proposal, please contact Owen Bulls.

Overall, Scope of Work:

Services include mechanically excavating cattails, phragmites, and grasses. The removal will take place on both Cravath Lake and Tripp Lake. Cravath Lake Areas: Fishing Pier (2840 sq ft), Lakefront Dock (3920 sq ft), Circle Space (5250 sq ft); Tripp Lake Area: Boat Launch (3950 sq ft). Bottom sediment may be removed when removing shoreline cattails and grasses. All materials removed will be placed in hopper barge and transported to staging areas shown on attached maps. Material will then be transferred into a dump truck and taken to City of Whitewater provided dump site not to exceed 5 miles from worksite.

Dredging Services:

Eco will use an Amphibious Excavator to remove unwanted material from the mapped dredge project area of the lake. Material will be placed along the shoreline in designated areas. Dredging will not include the cost of removal of any large tree branches, stumps, large rocks, foreign objects, underwater pipes or utilities that might inhibit the normal operation of the dredge within the waterbody.

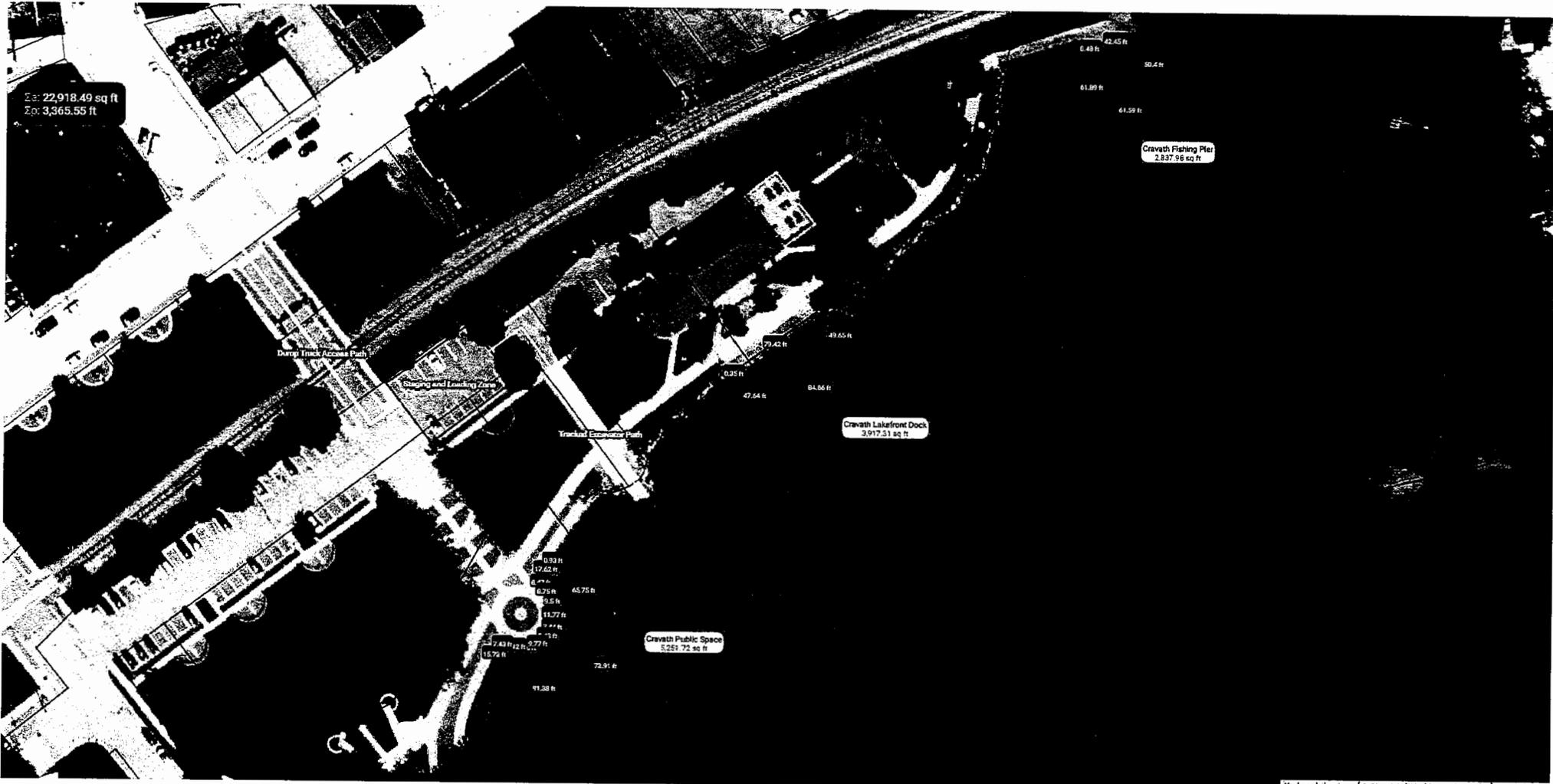
Restoration and Disposal of Dewatered Sediment:

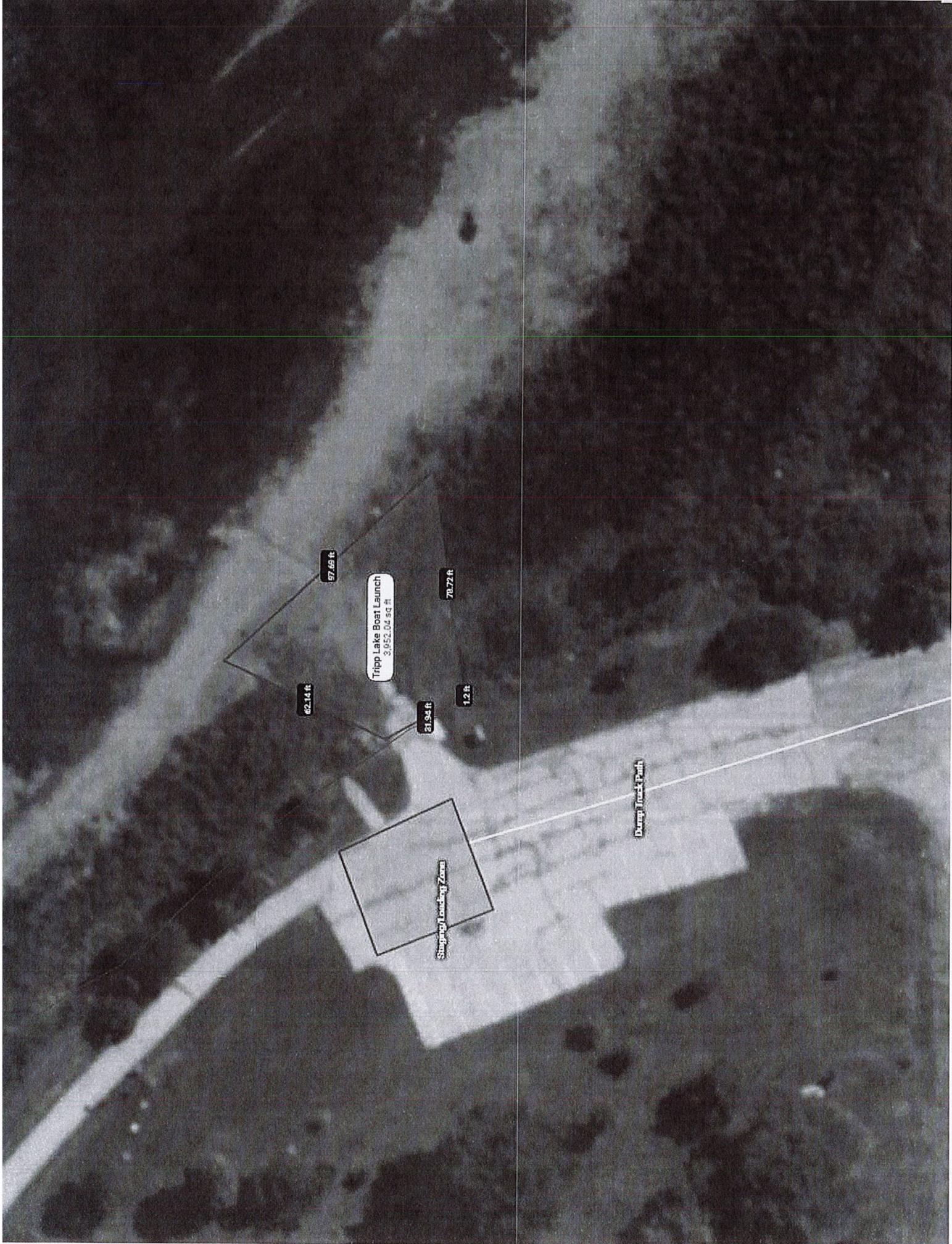
Upon completion of mechanical dredging, ECO will remove all equipment and site prep material and perform a site clean-up. ECO will not be responsible for side remediation outside of the scope of work performed.



Project Range: \$62,000.00 - \$74,000.00

Payment Terms: 30% deposit is required upon scheduling. 30% upon mobilization and 40% after completion of project.





Tripp Lake Boat Launch
3,652.04 sq ft

Storage/Loading Zone

Dune/Track Path

62.14 ft

97.69 ft

78.72 ft

31.94 ft

1.2 ft