

Tender Addendum 1

File	Tender	Tender No.
423390	Eagle Lake Narrows Beach Shoreline Protection	RFT-423390-2
Date	Owner	
March 12, 2025	Township of Machar	

Message to Bidder

Questions

1. Can you please provide MNRF and DFO permits so contractors can assess any requirements.

MNRF work permit is attached. The validity of the permit is to be extended prior to works. The in-water works window and other conditions will remain unchanged.

The DFO self assessment report is also attached.

2. Can the limbs/branches from the tree removals be chipped on site into the surrounding wooded area?

All waste/debris (limbs/branches) from tree removal must be disposed of off site. Contractor is responsible for identifying receiving site.

3. SP5 Environmental Protection - mentions coffer dams and work area must be dewatered and maintained in a continuous dry state during construction. Given the sand conditions keeping the excavation dry is not possible unless the intent is to install sheet pile coffer dams. If the intent is to install steel sheet piles, can you please provide a geotechnical report so contractors can assess the soil conditions. Otherwise please clarify if installation can occur with clear stone in wet conditions.

Installation can include placement of clear stone using sandbag cofferdams to manage inundation. SP6 details the armour stone wall construction and includes the supply of clear stone.

4. Tender item 1.17 provisional excess/unsuitable soil to waste facility 90m³. Can you please provide soil chemical analysis so contractor can determine what type of waste facility is required.

SP16 provides guidance on assumptions for soil disposal. No soil chemical analysis is available.

- 5. Tender item 1.11 provisional walkway 13m². SP12 calls for precast concrete slab walkway, yet dwg SH-1 describes 1m wide precast concrete paving stone. Please clarify if paving stone is required or concrete slab is required, and if paving stone please provide details on manufacturer/style/colour.**

Walkway surface is to consist of 24" precast pavers. All other details are as noted on the contract drawings.

- 6. Tender item 1.06 Terrafix 600R 670m². As several other tender item SP's are mentioning filter cloth i.e. SP6, SP10, SP13, please clarify if contractor will be paid for all filter cloth placed for all tender items under Item 1.06.**

All geotextile used in works will be measured and paid in accordance with SP7.

- 7. With the bottom block of the proposed wall embedded a minimum of 0.4m into the lake bottom, I assume that a cofferdam will be required to install the wall?**

Please refer to Question 3.

- 8. Drawings indicate that the blocks for both the wall and stairs are man made? Do you have a supplier in mind?**

Contractor to source supplier of natural quarry stone or guillotined blocks (limestone or granite). The source of armour stone to be submitted to Contract Administrator approval prior to delivery.

- 9. Can you provide the actual length of wall that you require?**

Length of wall is approximately 106 m.

- 10. Seeing as work is not supposed to commence until September, can we get an extension for project submission.**

No extension on submission.

- 11. Is there any flexibility in the project start date? Since all work in the water is to be completed by October 15, and the last thing we would do is pull the turbidity curtain, this effectively gives us 6 weeks to complete the project.**

Project window is limited to DFO/MNRF fisheries window due to fish and turtle species in the area. No flexibility for in-water works.

- 12. The following special provisions don't seem to apply to the project. Is it possible to get the document amended to reflect that?**

- 1. SP1.11**
- 2. SP1.12**
- 3. SP1.14**
- 4. SP 1.18**
- 5. SP 1.19**

No change to tender document.

- 13. For Special Provision 3 - Does the Owner have a site to dispose of felled trees and brush or are we responsible for finding a receiving site?**

Please refer to Question 2.

14. For Special Provision 4 - Does the Owner have a site to dispose of removed Wooden Stairs or are we responsible for finding a receiving site?

Contractor is responsible for finding a receiving site.

15. For Special Provision 5 - Is significant dewatering expected for this project? Is the water table elevation at the location of the retaining wall known? Is a Hydrogeological assessment available?

No hydrogeological assessment was completed therefore the water table elevation and dewatering requirements are unknown, however sandbag cofferdams can be used to manage inundation for clear stone placement.

16. Also, for Special Provision 5 - Do we know how deep the water is so we can size our turbidity curtain appropriately?

Water depth approximately 0.5 m deep (during time of topographic survey - lake level varies). It is anticipated that a standard 3ft turbidity curtain will be required.

17. Do we know anything about the existing soil type and / or stability in the proposed retaining wall location?

No soil assessment was completed.

18. If a cofferdam is to be constructed as per General Note 2 on the drawings, can you please provide us with details as to where and how this cofferdam is to be constructed? Also, how will construction, maintenance, and removal of this cofferdam be measured for payment?

Please refer to Question 3. Price for cofferdam to be included in Tender Item 1.04 - Environmental Protection.

19. Are there any photos or details of the playground that needs to be removed, stored, and reinstated?

See attached photo appendix.

20. Are there any details regarding concrete paver dimensions and configuration?

Refer to Question 5.

21. For the Armour Rock retaining wall, is there a tolerance on dimensions? i.e. is a natural rock wall sufficient or is rock to be split to dimension?

Minor variation is acceptable within typical tolerances of natural product. Minimum specified dimensions should be met.

22. Would a Servian stone be an acceptable equal to the Armourstone?

Refer to Question 8 and 21.

Site Photos

A photo appendix, with photos taken in April 2024, has been included in this addendum for reference.

Terms & Conditions

Except as to and to the extent that they are amended by the foregoing, all terms and conditions of the tender document remain in full force and effect, and time shall be of the essence.

Directions to Bidder

The Bidder shall:

1. sign this Addendum in the space provided below and submit this Addendum to the Owner in the same envelope as the Tender
2. enter this Addendum number in the Tender Form

Signature of Bidder

Date



Monday, August 26, 2024

MPSB-2024-PLA-04453-WP-001

The Corporation of The Township of Machar,
2389 Eagle Lake Road,
Machar, ON

Dear Permittee,

RE: Work Permit MPSB-2024-PLA-04453-WP-001

Enclosed is the subject work permit which authorizes you to **work on shore lands, for the purpose of erosion control (simple)** at the location specified on the permit. Please familiarize yourself with the conditions of the work permit prior to undertaking the work. The contractor and the equipment operator must be provided with a copy of this work permit and be familiar with the conditions prior to proceeding with any work. A copy of the work permit must be available on site while the work is being conducted.

No in-water work is permitted between October 15th and September 1st. This authorization does not release you of the responsibility for obtaining any other permits that may be required under federal, provincial or municipal legislation. This includes any requirements under the *Endangered Species Act* which is now administered by the Ministry of Environment, Conservation, and Parks.

The *Ontario Heritage Act* regulates archaeological resources in Ontario. During the course of your project work, should you accidentally discover archaeological artefacts, please stop all work, secure the site and contact the Ministry of Heritage, Sport, Tourism and Culture Industries, by email at Archaeology@ontario.ca, or by phone at 416-212-8886. Also, please notify the Ministry of Natural Resources and Forestry (MNR) cultural Heritage Specialist Renée Bellini by email at Renee.Bellini@ontario.ca.

In accordance with the *Cemeteries Act*, R.S.O. 1990 c. C.4, should you accidentally discover human remains during the course of your project work, you are required to stop all work, secure the site and notify the Ontario Provincial Police along with the MNR.

You may contact **Steffi Krause**, by phone at **705-346-0173** or by email to Steffi.krause@ontario.ca, if you have any further questions regarding this matter.

Sincerely,

A handwritten signature in cursive script that reads "Steffi Krause".

Steffi Krause
IRM Technical Specialist

Ministry of Natural Resources and Forestry - /encl



Ministry of Natural
Resources and
Forestry

Ministère des Richesses
naturelles et des Forêts

**Work Permit /
Permis de travail**

**Permit No./Permis No.
MPSB-2024-PLA-04453-WP-
001**

This permit is issued under the authority and provisions of the following indicated Provincial Acts and their regulations and is subject to the limitations and provisions thereof and is also subject to the terms and conditions herein.
Ce permis est émis conformément aux dispositions des lois provinciales ci-après et des règlements y afférents et est sujet aux restrictions et dispositions de ce lois et règlements ainsi qu'aux conditions ci-énoncées.

[X] Section 2(1), Regulation 975, as amended, Public Lands Act/Loi sur les terres publiques, Règlement 975 tel que modifié, article 2(1)

**Note: The issuance of this permit does not relieve the applicant from the responsibility of acquiring any other agency, board, government, etc. approval as may be required nor does it relieve the permittee from the requirements of any other legislation.
Remarque : La délivrance d'un permis n'exonère pas le demandeur de l'obligation d'obtenir l'autorisation de tout autre organisme, commission, gouvernement, etc. qui pourrait être exigée, non plus qu'elle exempte le détenteur des dispositions des lois.**

The Permit is issued to: Ce Permis est délivré à:

Name of Permittee/Nom du detenteur: The Corporation of The Township of Machar

Post Office Address/Adresse postale: , , ,

To conduct an operation from August 26, 2024 to and including the August 25, 2025

Pour effectuer des travaux du August 26, 2024 jusqu'au August 25, 2025

at location/à l'emplacement: 2389 Eagle Lake Road, Machar, ON

17T 616455, 5076737

As per your application dated/conformément à la / Demande de permis en date du:

2024-08-07

For the purpose of / Aux fins de: Work on Shore Lands - Erosion Control (Simple)

Subject to the following conditions:/Et sous les conditions suivantes:

1. The Permittee shall keep this permit or a true copy thereof on the work permit area./ Le détenteur conservera ce permis ou une copie conforme sur les lieux des travaux.
2. The person in charge of the operation conducted under this permit shall produce and show this permit or the true copy kept on the work permit area to any officer whenever requested by the officer. /
Le responsable des travaux couverts par ce permis doit produire le permis ou sa copie conforme si un agent lui demande.
3. Other conditions as listed on the reverse side of this permit as well as those contained in Schedule(s) D attached.
Autres conditions énoncées au verso de ce permis ainsi que celles apparaissant aux annexes suivantes .

Place of Issue/Emis à: Parry Sound	
Date/Date de délivrance: August 26, 2024	Signature of Issuing Officer/Signature du délivreur: <i>Steffi Krause</i>

Personal Information on this form is collected under the authority of Section 13 of the Public Lands Act, R.S.O. 1990, the Lakes and Rivers Improvement Act, R.S.O. 1990, and Regulation 975 as amended, and the information will be used for the purposes of the Act and Regulations. Questions about this information should be directed to the local MNR office.

Les renseignements personnels exigés dans les présentes sont recueillis en vertu de la Loi sur l'aménagement des lacs et des rivières et du règlement 975 de l'Ontario tel que modifié. Ils seront utilisés selon les termes de la Loi et des règlements. Veuillez adresser toute question à ce sujet au bureau du MRNF. Une liste des bureaux du MRNF avec adresses et numéros de téléphone en français est disponible.

Conditions

It is agreed by the parties hereto that:

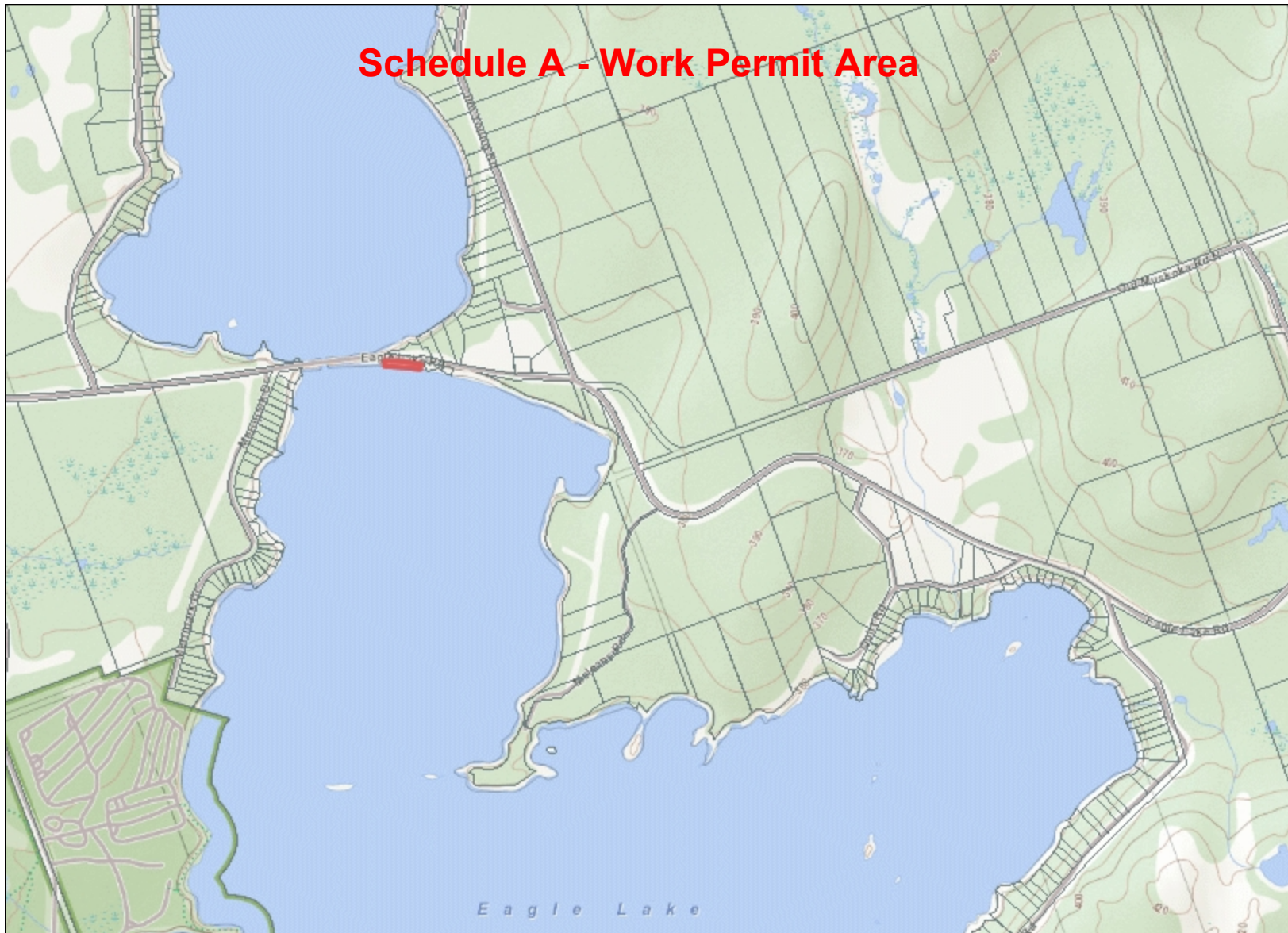
- 1) This Work Permit gives the permittee only the right to carry out work on the described site for the purpose specified in this permit and does not convey any right, title or interest in the land.
- 2) The permittee covenants to indemnify and forever save and keep harmless the Crown, its officers, servants and agents from and against any and all claims, demands, suits, actions, damages, loss, cost or expenses arising out of any injury to persons, including death, or loss or damage to property of others which may be or be alleged to be caused by or suffered as a result of or in any manner associated with the exercise of any right or privilege granted to the permittee by this Work Permit.
- 3) a) A permittee is an occupier under the Trespass to Property Act and the Occupier's Liability Act and shall take such care as in all circumstances of the case is reasonable to see that persons entering on the premises, and the property brought on the premises by these persons, are reasonably safe while on the premises. b) Any posting of signs or notices pursuant to the Trespass to Property Act and the Occupier's Liability Act, on the work permit area, shall be subject to prior approval of the issuing officer. The location and format of all signs and notices must be approved by an officer. c) The permittee agrees to remove all signs or notices on termination of the permit, or at the direction of the issuing officer. d) The permittee agrees to post any signs or notices as required or directed by an officer.
- 4) This Work Permit shall not be assigned or transferred.
- 5) The permittee may, with the approval of the District Manager, or will, at the District Manager's request, remove the improvements, property or other assets from the public lands and leave the site in a clean and safe condition, restored as much as possible to its original state except where the requirement to restore is waived in writing by the District Manager.
- 6) a) Upon termination of this permit, the permittee has no right to, or reasonable expectation of, the issuance of a new permit based on prior work on the land. b) The successive issuance of any permit or permits for work on the land described herein will not create any future rights or interests whatsoever in the land.
- 7) Violations of any of the conditions constitutes an offence.

Conditions























































Les parties conviennent que:

- 1) Ce permis de travail autorise le détenteur à effectuer les travaux sur le terrain décrit aux fins énoncées dans ce permis. Il ne confère aucun droit, titre ou intérêt sur le terrain.
- 2) Le détenteur indemnifiera et protégera la Couronne, ses agents, fonctionnaires et représentants de toute poursuite, demande, procès, dommages, perte ou coûts découlant de blessures, décès ou dommages matériels à autrui qui pourrait être causés ou infligés, ou présumer être causés ou infligés de quelque façon que ce soit, par l'exercice des droits ou privilèges accordés par ce permis à son détenteur.
- 3) a) Le détenteur est considéré comme un occupant aux termes de la Loi sur l'entrée sans autorisation et de la Loi sur la responsabilité des occupants et il doit prendre toute mesure qui, dans la situation, est considérée raisonnable afin que les personnes entrant sur les lieux, et les biens apportés par ces personnes, soient raisonnablement sécuritaires lorsqu'ils sont sur les lieux. b) Les avis ou panneaux exigés par la Loi sur l'entrée sans autorisation et la Loi sur la responsabilité des occupants et installés sur les lieux de travail couverts par le permis doivent être préalablement approuvés par le délivreur. L'emplacement et le format des affiches ou des avis doivent être approuvés par le délivreur. c) Le détenteur convient d'enlever ces avis ou panneaux conformément à la Loi sur l'entrée sans autorisation à l'expiration du permis ou sur l'ordre du délivreur. d) Le détenteur accepte de poser des affiches ou des avis à la demande du délivreur.
- 4) Ce permis ne peut être ni cédé ni transféré.
- 5) Le détenteur peut, sous réserve de l'approbation du chef de district, ou doit à sa demande, enlever les aménagements, les biens ou autres avoirs des terres publiques et laisser le site propre et sûr, restauré dans toute la mesure du possible à sa condition originale sauf s'il en est dispensé par écrit par le chef de district.
- 6) a) À l'expiration de ce permis, il sera décidé de délivrer un nouveau permis conformément aux règlements afférents à la Loi sur les terres publiques et le détenteur n'a aucun droit, ni ne peut raisonnablement s'attendre, à ce qu'un nouveau permis lui soit accordé uniquement parce que des travaux ont été effectués sur le site. b) La délivrance successive de permis d'effectuer des travaux sur le terrain décrit ici ne confère aucun droit ou intérêt futur sur ce terrain.
- 7) Les infractions à ces conditions sont punies par la Loi.

Schedule A - Work Permit Area



Legend

-  Building as Symbol
-  Building to Scale
-  Airport
-  Helipoint 1 Hospital Helipoint
-  Seaplane Base
-  Ferry Route
-  Trail
-  Bruce Trail
-  Greenbelt Route
-  Rideau Trail
-  Trans Canada Trail
-  Voyageur Trail
-  Waterfront Trail
-  Railway 1 Train Station
-  Railway with Bridge
-  Railway with Tunnel
-  Road (Major -> Minor)
-  Winter Road
-  Road with Bridge
-  Road with Tunnel
-  Primary, Kings or 400 Series Highway
-  Secondary Highway
-  Tertiary Highway
-  District, County, Regional or Municipal Road
-  Toll Highway
-  One Way Road
-  Road with Permanent Blocked Passage
-  Road with Address Ranges
-  Hydro Line, Communication Line or Unknown Transmission Line
-  Natural Gas Pipeline, Water Pipeline or Unknown Pipeline
-  Spot Height
-  Index Contour
-  Contour
-  Wooded Area
-  Wetland
-  Waterbody
-  Waterbody Elevation
-  Watercourse
-  Falls
-  Rapids
-  Rapids \ Falls
-  Rocks
-  Lock Gate
-  Dam \ Hydro Wall
-  Provincial \ State Boundary
-  International Boundary
-  Upper Tier \ District Municipal Boundary
-  Lower Tier \ Single Tier Municipal Boundary
-  Lot Line
-  Indian Reserve
-  Provincial Park
-  National Park
-  Conservation Reserve
-  Military Lands

0 0.9 km

Projection: Web Mercator



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Schedule "D" Work Permit Conditions Report

Submission ID: MPSB-2024-PLA-04453

Approval Number: MPSB-2024-PLA-04453-WP-001

Proponent: The Corporation of The Township of Machar

-
- The extent of the project must front lands owned by the permit holder and in no way encroach upon neighbouring properties
 - All work shall be carried out within the approved Work Permit Area (WPA) only. Any work outside the approved WPA will require separate approval or an amendment to this Work Permit.
 - Wheeled or tracked machinery or equipment used in connection with the activity must be operated from dry land, on ice surface or operated from a barge or vessel, and must be stored on dry land or stored on a barge or vessel.
 - The Permit Holder shall not undertake any work in the water between the following dates October 15 - September 1
 - All water discharges from pumps, etc., are to be directed through appropriate sedimentation control to prevent material from entering any water.
 - Sediment controls containing the work area must be installed before the work begins, must be maintained for the duration of the work, and must not be removed until after the area has stabilized.
 - Any material that results from the activity, including sediment, debris and aquatic vegetation, must be immediately disposed of on dry land and in a manner that prevents it from entering or re-entering the water body.
 - The Permit Holder shall maintain effective sediment and erosion control measures until re-vegetation of disturbed areas is achieved.
 - Shoreline stabilization shall consist of appropriate materials, clean and free from organic sediments, minimum 10 cm diameter, at a 2:1 slope, underlain with a geotextile cloth. Shoreline stabilization must be adequately protected against erosion and slumping.
 - The issuance of this permit does not relieve the applicant from the responsibility of acquiring any other agency, board, government, etc. approval as may be required. Applicants are responsible for ensuring compliance with any other applicable legislation, including requirements under the Fisheries Act (Canada).
 - The attached application is provided for your convenience; works are to be completed as set out in this application, unless contrary to any terms or conditions of this permit. In the event of conflict between the application and any terms or conditions of this permit, the terms and conditions set out in this permit shall prevail.
 - If archaeological remains or human burials or other Cultural Heritage Resources are discovered on site at any time stop work immediately, secure the site from further alternation and public access and contact the Ministry of Heritage, Sport, Tourism and Cultural Industries (MHSPI). In the event that human remains are encountered during project implementation contact your local enforcement services and MHSPI staff.

DFO SELF ASSESSMENT REPORT

A)

PROJECT

INFORMATION

Date: October 10, 2023

Pages: 14

CCTA File: 423390

Project Name: Eagle Lake Narrows – Township of Machar

Project Manager: Amanda Kellett

Client: Tatham Engineering

Project Location: Eagle Lake Narrows – Township of Machar

Is the proposed activity greater than 30 m from water? YES NO

Explanation: The project involves the shoreline stabilization of a township parkette with waterfront/beach access to Eagle Lake adjacent to Eagle Lake Road. Erosion protection utilizing armourstone and granite toe boulders will be used along the face of the parkette to restore existing erosion issues. Some of this latter work may involve minor in-water works depending on the water levels of Eagle Lake.

(Water is defined as all permanently wetted areas such as rivers, streams and lakes as well as intermittently wetted features such as floodplains or seasonally wetted channels or wetlands. The distance from water (i.e. the 30 m) is measured from the top of bank)

Will the proposed activity avoid impacts to the water quality and quantity of the water body?

YES NO

Explanation: Mitigation measures outlined in this report will negate any potential impacts to water quality and quantity as a result of the proposed works. All in-water work should be isolated from the water body.

(Impacts to Water Quality and Quantity include changes in surface or groundwater flows as a result of water withdrawal, discharge or diversion; exposure of soils to erosion and sediment release to nearby streams (e.g. urban development and stormwater management))

B) DESCRIPTION OF PROJECT

B1. Description

The project involves the shoreline stabilization of a township parkette with waterfront/beach access to Eagle Lake adjacent to Eagle Lake Road. Erosion protection utilizing armourstone and 200-400 mm granite toe boulders will be used along the face of the parkette to restore existing erosion issues. Some of this latter work may involve minor in-water works depending on the water levels of Eagle Lake.

B2. Briefly describe all project components you are proposing in or near water

Please refer to Drawing SH-1 dated September 2023 for details with respect to project components proposed near water.

B3. Is this project in response to an emergency circumstance?

No.

B4. Does the project involve work in water?

No, the construction of the armourstone and granite toe boulders will be above the 355.30m surveyed water line. A turbidity curtain will be used to isolate the work area, and a fish rescue will occur to remove fish in the isolated area(s) if necessary. The exact location of the turbidity curtain to isolate potential in-water work will be determined in the field.

B5. If yes, is the work below the high-water line?

B6. How are you planning to do it? Briefly describe the construction materials, methods and equipment that you plan to use.

Prior to any work being completed, sediment and erosion control measures will be installed. The exact location of the turbidity curtain will be field fitted based on water levels of Eagle Lake to ensure that suspended sediments are contained in the working area. Once the work area is isolated, armourstone, and 200-400 mm granite toe boulders will be placed along the existing shoreline using a backhoe. When the construction activities are completed, it is recommended that any disturbed sediment is given the opportunity to settle and or stabilize prior to the removal of all sediment and erosion controls.

B7. Include a site plan (figure/drawing) showing all project components in and near water. Are details attached?

Yes, refer to Appendix A for engineered detail design drawing (SH-1).

B8. Identify which work categories apply to your project.

	Aquaculture Operations		Log Handling / Dumps
	Aquatic Vegetation Removal		Log Removal
X	Beaches		Moorings
	Berms		Open Water Disposal

	Blasting / Explosives		Piers
	Boat Houses		Riparian Vegetation Removal
	Boat Launches / Ramps		Seismic Work
	Breakwaters	X	Shoreline Protection
	Bridges		Stormwater Management Facilities
	Cable Crossings		Surface Water Taking
	Causeways		Tailings Impoundment Areas
	Culverts		Temporary Structures
	Dams		Turbines
	Dewatering		Water Control Structures
	Docks		Water Intakes / Fish Screens
	Dredging / Excavation		Water Outfalls
	Dykes		Watercourse Realignment
	Fishways / Ladders		Weirs
	Flow Modification (hydro)		Wharves
	Groundwater Extraction		Wind Power Structures
	Groynes		Other (Please Specify):
	Habitat Restoration		
	Ice Bridges		

B9. Was your project submitted for review to another federal or provincial department or agency?

Yes, the project has been submitted to Minden Parry Sound Bracebridge District Office of MNRF for Work Permit approval.

C) LOCATION OF THE PROJECT

C1. Coordinates of the proposed project

17T 616441.45 m E 5076742.76 m N

C2. Include a map clearly indicating the location of the project as well as surrounding features.

A key plan to provide the project's general location and Drawing SH-1 dated September 2023 are attached for reference:

C3. Name of Nearest Community (City, Town, Village):

South River

C4. Municipality, District, Township, County, Province:

Township of Machar, Ontario.

C5. Name of watershed (if applicable):

Eagle Lake

C6. Name of watercourse(s) or waterbody(ies) near the proposed project:

Eagle Lake

C7. Provide detailed directions to access the project site:

From Barrie, ON:

Follow Highway 11 north Follow ON-11 to Machar Strong Boundary Rd W/Mountain View Rd in Parry Sound District. Take exit 282 for Mountainview Rd toward Boundary/South River/Sundridge. Take Municipal Rd to Eagle Lake Rd.

D) DESCRIPTION OF AQUATIC ENVIRONMENT

D1. Identify the predominant type of aquatic habitat where the project will take place?

	Estuary (Estuarine)
X	Lake (Lacustrine)
	On the bank/shore at the interface between land and water (Riparian)
	River or Stream (Riverine)
	Salt Water (Marine)
	Wetlands (Palustrine)

D2. Provide a detailed description of biological and physical characteristics of the proposed project site.

The existing shoreline is a township parkette with an eroding sand/gravel mix shoreline, supporting a warmwater fisheries habitats directly adjacent to it.

D3. Include representative photos of affected area (including upstream and downstream area) and clearly identify the location of the project.

Site photographs have been included in Appendix B.

E) POTENTIAL EFFECTS OF THE PROPOSED PROJECT

E1. Have you reviewed the Pathways of Effects (PoE) diagrams (<http://www.dfompo.gc.ca/pnw-ppe/pathways-sequences/index-eng.html>) that describe the type of cause-effect relationships that apply to your project?

Yes.

E2. If yes, select the PoEs that apply to your project.

	Addition or removal of aquatic vegetation	X	Placement of material or structures in water
	Change in timing, duration and frequency of flow		Riparian Planting
	Cleaning or maintenance of bridges or other structures		Streamside livestock grazing
	Dredging		Structure removal
	Excavation		Use of explosives
	Fish passage issues		Use of industrial equipment
	Grading		Vegetation Clearing
	Marine seismic surveys		Wastewater management
	Organic debris management		Water extraction
	Placement of marine finfish aquaculture site		

E3. Will there be changes (i.e., alteration) in the fish habitat?

YES

NO

E4. If yes, provide description.

N/A

E5. Will the fish habitat alteration be permanent?

No.

E6. Is there likely to be destruction or loss of habitat used by fish?

No.

E7. What is the footprint (area in square meters) of your project that will take place below the high water mark?

The entirety of the project will occur above the 355.30m surveyed water line.

E8. Is your project likely to change water flows or water levels?

No.

E9. If your project includes withdrawing water, provide source, volume, rate and duration.

This project does not involve withdrawing water.

E10. If your project includes water control structure, provide the % of flow reduction.

This project does not involve a water control structure.

E11. If your project includes discharge of water, provide source, volume and rate.

This project does not include discharge of water.

E12. Will your project cause death of fish?

No.

E13. If yes, how many fish will be killed (for multi-year project, provide average)? What species and lifestages?

No fish will be killed.

E14. Are there aquatic species at risk (<https://www.dfo-mpo.gc.ca/species-especes/sara-lep/map-carte/index-eng.html>) present? If yes, which ones?

No.

E15. What is the time frame of your project?

The construction will occur between on July 15, 2024 and end by October 15, 2024.

E16. If applicable, provide schedule for the maintenance.

No maintenance is anticipated.

E17. If applicable, provide schedule for decommissioning.

No decommissioning required.

E18. Are there additional effects to fish and fish habitat that will happen outside of the time periods identified above?

No.

E19. (If yes, provide details).

N/A

E20. Have you considered and incorporated all options for redesigning and relocating your project to avoid negative effects to fish and fish habitat?

Yes.

E21. If yes, describe.

N/A

E22. Have you consulted DFO's Measures to Avoid Harm to Fish and Fish Habitat (<https://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures-eng.html>) to determine which measures apply to your project?

Yes.

E23. Will you be incorporating applicable measures into your project?

Yes.

E24. If yes, identify which ones. If No, identify which ones and provide reasons.

- Project timing – No to minimal in-water works will be occurring, and those that are in water are within the footprint of existing structures. Stabilization of the shoreline will reduce additional sediment inputs from erosion scars.
- Duration of time in-water work should be minimized by working in a continuous time period. In-water construction should only commence when all materials required for construction are at hand to minimize the duration of in-water work;
- Sediment and Erosion Control - Sediment and erosion control measures should be installed prior to the commencement of work.
- Vegetation - Vegetation clearing on the site will not occur as part of the project. Vegetation reestablishment will occur as soon as possible following construction;
- Operation of Machinery - All machinery refueling and maintenance should be completed no less than 30m from watercourses to prevent the entry of deleterious into areas of fish habitat. Further, all construction machinery should be clean and in good working condition. No fuels, lubricants, or construction waste is permitted to enter the watercourse. The Contractor is required to report any spills to the Ontario Spills Action Center at 1-800-268-6060; and
- Stockpiling - Any requirement for stockpiling of material should be stored at a safe distance from the identified waterways with appropriate sediment and erosion controls in place to ensure that no deleterious substances enter Lake Simcoe.

E25. Have you considered and incorporated additional best practices and mitigation measures recommended in relevant guidelines to avoid negative effects to fish and fish habitat?

Yes.

E26. If Yes, include a list of the guidelines being used to avoid negative effects to fish and fish habitat.

DFO's Measures to Protect Fish and Fish Habitat (<https://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures-eng.html>).

E27. Are there any relevant best practices or mitigation measures that you are unable to incorporate?

No.

E28. (If yes, identify which ones.)

N/A

E29. Can you follow appropriate Timing Windows (<https://www.dfo-mpo.gc.ca/pnw-ppe/timing-periodes/on-eng.html>) for all your project activities below the High-Water Mark?

Yes.

E30. What residual effects to fish and fish habitat do you foresee after taking into account the avoidance and mitigation measures described above?

No residual effects to fish and fish habitat are anticipated to occur as a result of the proposed works provided that the proper mitigation measures are implemented.

F) CONCLUSION

F1. Can impacts to fish habitat be avoided or mitigated?

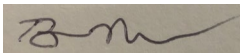
Yes.

F2. Does DFO need to review this project?

No, DFO review is not required for this project. The expected impacts to fish and fish habitat from the proposed works should be mitigatable.

F3. Signature

I, Brian Morrison, certify that the information given on this form is to the best of my knowledge, correct and complete.



Brian Morrison, B.Sc.

Dated: October 10, 2023

APPENDIX A: DRAWING SH-1

APPENDIX B: SITE PHOTOS



Figure 1. Looking west



Figure 2. Looking east



Figure 3. Looking east



Figure 4. Example of shoreline erosion

Photo Appendix



Figure 1: Existing shoreline.



Figure 2: Existing shoreline.





Figure 3: Trees along shoreline to be removed.



Figure 4: Existing stair access to water.





Figure 5: Playground area atop shoreline bank.



Figure 6: Playground area atop shoreline bank.





Figure 7: Eroded shoreline.



Figure 8: Public washroom at east end of site.

