

STATEMENT OF WORK

Title – Replacement of Existing Trap and Components, Little Otter Creek Sea Lamprey Barrier Site

1. Scope

1.1. Background – The Department of Fisheries and Oceans-Sea Lamprey Control Centre (DFO-SLCC) operates sea lamprey trap in the Little Otter Creek, a Lake Erie tributary located near Beattie Road and Jackson Line, Straffordville, Ontario (Figure 1., approximate coordinates 42°44'44.33"N, 80°49'58.42"W) during the sea lamprey spawning season (mid-March to mid-July). The dimensions of the existing steel trap limit its efficiency for adult sea lamprey assessment and replacement with a larger trap is proposed. DFO-SLCC plans to proceed with reconstruction and requires contracting services to fabricate, supply and install a new trap, working platform, railings and water intake, as per approved design drawings. The work will include flow diversion, as necessary, removal of the existing trap and components, and restoration of the site after completion of the work.

1.2. Objective – To replace the existing sea lamprey trap and components as specified in the approved design drawings.

2. Reference Documents

Detailed drawings and specifications of the proposed structure and components will be provided to prospective bidders.

3. Requirements

3.1. Scope of work– The successful bidder will replace the existing trap and components with the new trap. The work includes flow diversion, as required, removal of existing trap and intake pipe, and the fabrication, supply and installation of new trap and working platform, as specified in the approved drawings. Details pertaining to materials and construction requirements are specified in the design drawings. The successful bidder should contact the DFO-SLCC Barriers Engineering Coordinator (Departmental Representative) regarding any discrepancies in the design drawings during construction.

The Departmental Representative will conduct inspection of the work to confirm that design considerations are met.

4. Completion Date

All work, including fabrication, supply, construction and restoration must be completed before September 30, 2017. Note that the Ontario Ministry of Natural Resources and Forestry (OMNRF) in-water work window of July 15-September 15 must be adhered to.

5. Environmental Conditions

While on site, the successful bidder will adhere to the following measures and procedures during construction to mitigate any potential impacts to the environment, fish and their habitat:

- 5.1. All material used in the project shall be free of deleterious substances as defined under the Fisheries Act.
- 5.2. All material used in the project shall be delivered, stored and placed in such a manner as to prevent introduction of deleterious substances into the river.
- 5.3. Sediment and erosion control measures shall be implemented prior to construction and maintained until the site is stabilized to prevent entry of sediment into the water.
- 5.4. All equipment used for the project shall be in good repair and free from leaks.
- 5.5. Servicing and fuelling of equipment shall be done off-site.
- 5.6. Any equipment developing a leak shall be removed from the site immediately. Any spill shall be reported to the Ministry of the Environment and Climate Change, and cleaned up immediately. Contractor's cleanup plan for spills of any contaminated materials will be reviewed and approved before starting removal work. While onsite, the contractor must supply and be ready to use all necessary spill response equipment.
- 5.7. Care shall be taken to prevent damage to the grounds and property and minimize the footprint associated with the work.
- 5.8. Components of the existing trap and any refuse or deleterious materials including intake pipe will be removed and transported to the approved waste disposal site.
- 5.9. Cleanup of site after the work will be completed, including removal of any refuse and slash from the site.
- 5.10. All disturbed soils shall be stabilized with seed and mulch.

- 5.11. Fires and the burning of rubbish on site is permitted only when approved by the Departmental Representative.
- 5.12. When fires or burning is permitted, prevent staining or smoke damage to structures, materials or vegetation, which is to be preserved. Restore, clean and return to new condition stained or damaged property.
- 5.13. Provide supervision, attendance and fire protection measures as directed by Departmental Representative.
- 5.14. Do not bury refuse and waste materials on site.
- 5.15. Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.

6. Site Safety

The contractor will identify potential hazards at the site and prepare a job safety plan to mitigate hazards while work is ongoing. Potential hazards may include:

- 6.1. Deep, turbulent water with fast currents at the work site;
- 6.2. Presence of overhead wires, and;
- 6.3. Tripping hazard when working on uneven ground.

In addition to above, the following precautions shall be taken during removal, construction and restoration work:

- 6.4. All work will be done to minimize loss of materials into river;
- 6.5. A silt fence will be used, if required;
- 6.6. Workers will be required to wear hard hats, safety boots and safety glasses at all times;
- 6.7. DFO-SLCC will obtain line locates/ buried utilities prior to starting work, if required.

7. Phases of Work

The work will be completed in one phase, consisting of the removal of the existing trap, intake pipe and construction of new trap as specified in the drawings.

8. Deliverables

- 8.1. Job Safety Plan;
- 8.2. Construction schedule;
- 8.3. Restoration of disturbed soils by placement of seed and mulch;

9. Submittals

Unless otherwise noted, make submittals to the Department Representative for review for each stage of construction work.

- 9.1. Make submittals with reasonable promptness and in an orderly sequence to avoid any delay in the work. Failure to submit in ample time is not considered cause for an extension of the contract time, and no claim for extension by reason of such default will be allowed;
- 9.2. Do not proceed with work affected by submittals until review is complete;
- 9.3. The Contractor's responsibility for errors and omissions for providing the specified products and for the construction of the work in accordance with the contract documents is not relieved or diminished in any way by the Departmental review of submittals.

10. Departmental Effort

An employee assigned by DFO-SLCC will act as a Departmental Representative on site to coordinate landowner and construction contractor, and to monitor safety requirements during construction of the project.

11. Time Schedule for Completion of Each Stage of the Work

The successful bidder should provide schedule for mobilisation, construction and restoration. On site construction work will commence after completion of sea lamprey spawning run (early- July). All work should be completed by September 30, 2017.

12. Insurance

The proposed site is on privately-owned property. The successful bidder will be required to carry general liability insurance for working on private land.

13. Codes and Standards

- 13.1. All work will be done to Canadian and Ontario Provincial Codes and Standards. In the case of a conflict or discrepancy between the contract documents and the governing codes and standards, the more stringent requirements apply.
- 13.2. Unless the edition number and date are specified, the successful bidder will adhere to the manufacturer's and published codes, standards, and specifications identified in the latest edition published by the issuing authority, current at the date of tender closing.

13.3. Reference standards and specifications are quoted in these specifications to establish minimum standards. Work in quality exceeding these minimum standards will be deemed in conformance with the contract.

13.4. Where reference is made to a manufacturer's direction, instruction, or specification, it is deemed to include full information on storing, handling, preparing, mixing, installing, erecting, applying, or other matters concerning the products pertinent to their use and their relationship to products with which they are incorporated.

13.5. Where reference is made to regulatory authorities, it includes all authorities who have, within their constituted powers, the right to enforce the laws of the Place of Work.

14. Method of Payment

A single payment for construction services will be made 30 days net of completion of all works, subject to inspection and acceptance by Departmental Representative.

15. Basis of Payment

Progress payments will be made for the completed work based on agreed schedule and contract price, which should include all fees/salary for staff per day, travel, material acquisition, construction, remediation, disposal of scrap of the existing trap and components and restoration of the grounds.

16. Schedules Submission

16.1. Submit schedules within seven days of the written notification of tender acceptance,

16.2. If the progress of any part of the construction falls behind schedule, immediately inform to the Departmental Representative.

17. Location of the Work

Little Otter Sea Lamprey Barrier, near Beattie Road and Jackson Line, Straffordville, ON, as shown in Figure 1., approximate Latitude and Longitude: 42°44'44.33"N, 80°49'58.42"W.

18. Contact Information

Should you have any questions, please contact:

Paul Sullivan

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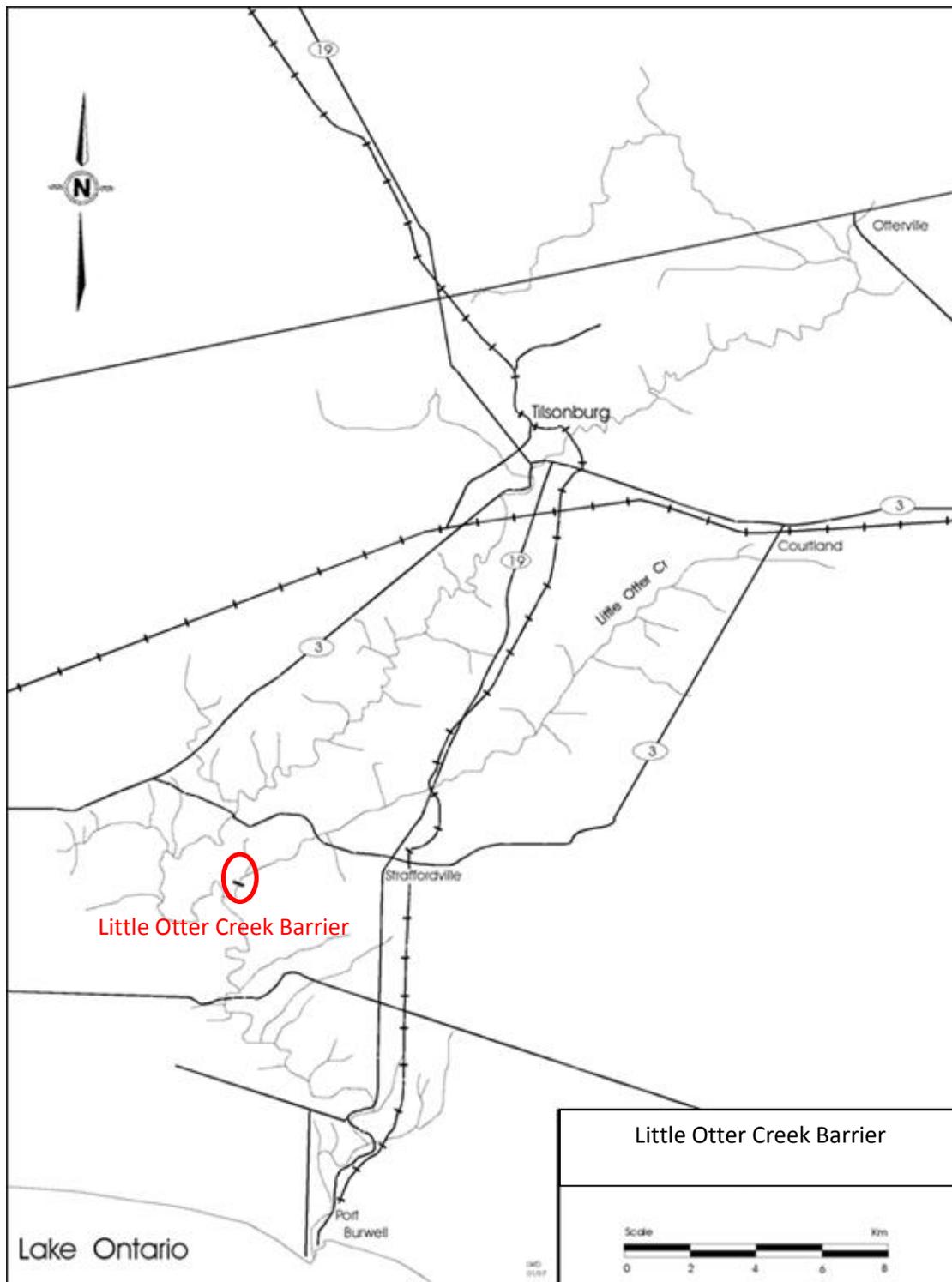


Figure 1. Little Otter Creek sea lamprey barrier location