



US Army Corps  
of Engineers

# C-GLFER-Little Manistee River SLB and Trap, Manistee County, MI

## Invasive Species Focus Area

**Project Location:** The Little Manistee River Sea Lamprey Barrier and Trap project is located in Manistee County, Michigan. The potential barrier site is located at the State of Michigan weir station.

**Project Description:** The purpose of the project is to integrate a permanent attractant water trap with the construction of a new barrier on the Little Manistee River, which would enhance sea lamprey control through the removal of additional spawning-phase sea lampreys, and the enhancement of spawning-phase sea lamprey assessment. The State of Michigan operates a permanent salmonid egg take station for chinook salmon and steelhead trout on the Little Manistee River. The weir does not prevent the upstream migration of sea lampreys, requiring upstream treatment with lampricide on a regular basis. Portable assessment traps are used in the Little Manistee River to capture spawning-phase sea lampreys, but the proportion of the spawning population captured remains low. Historically, permanent traps integrated with barriers and using attractant water have performed more effectively than portable traps. This project is authorized under Section 506 of WRDA 2000, as amended - Great Lakes Fishery and Ecosystem Restoration (GLFER).

**Non-federal Partner:** Great Lakes Fishery Commission (GLFC) and the Michigan Department of Natural Resources (MDNR)

**Project Benefits:** Portable assessment traps are used in the Little Manistee River to capture spawning-phase sea lampreys, but the proportion of the spawning population captured remains low. Historically, permanent traps integrated with barriers and using attractant water have performed more effectively than portable traps.

**Project Status:** The Preliminary Restoration Plan (PRP) was approved in FY13 and detailed feasibility studies were initiated in FY14. Data gathering, hydraulic modeling, site selection, alternative evaluation and conceptual design activities will continue in FY16, along with preparation of an integrated Detailed Project Report (DPR) and Environmental Assessment (EA). Upon completion of the Feasibility phase, the Project Partnership Agreement (PPA) will be prepared. Upon approval and execution of the PPA in FY17, detailed design activities would commence in FY18, followed by award of a construction contract in FY19.



Estimated Project Costs	
Federal	1,660,000
Non-Federal	840,000
Total	2,500,000

Project Milestones	
Submit feasibility report to LRD:	Jun 2017
Advertise construction contract:	May 2019
Award construction contract:	Jul 2019

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