



US Army Corps  
of Engineers

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

**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 Michigan Department of Natural Resource (MDNR) 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 MDNR operates a permanent salmon 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. An improved barrier will also limit upstream mobility of adults, reducing the available spawning area. This project is authorized under Section 506 of the Water Resources Development Act of 2000, as amended – Great Lakes Fishery & 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 were initiated FY16 and continued in FY17, along with preparation of an integrated Detailed Project Report (DPR) and Environmental Assessment (EA). In FY18, the draft feasibility report will be reviewed and approved. Upon completion of the Feasibility phase, the Project Partnership Agreement (PPA) will be prepared. Upon approval and execution of the PPA in FY19, detailed design activities would commence in FY19, followed by award of a construction contract in FY20.



Estimated Project Costs	
Federal	2,093,000
Non-Federal	1,127,000
Total	3,220,000

Project Milestones	
Submit feasibility report to LRD:	Feb 2018
Advertise construction contract:	Nov 2019
Award construction contract:	Feb 2020

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