



US Army Corps
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Conneaut Creek Sea Lamprey Barrier, Towns of Springfield and Conneaut, PA Great Lakes Fishery & Ecosystem Restoration Section 506, Water Resources Development Act of 2000

Project Location: Potential sea lamprey barrier locations are being evaluated in the most downstream areas of Conneaut Creek within the state of Pennsylvania. These locations are found within the Townships of Springfield and Conneaut, Erie County, Pennsylvania.



Description of Problem: Thirty tributaries (11 Canada, 19 U.S.) of Lake Erie have records of larval Sea Lamprey production. Conneaut Creek is one of the seven tributaries to Lake Erie that are treated with lampricides every 3-5 years to eliminate or reduce larval sea lamprey populations before they recruit to the lake as feeding juveniles. Lampricides may negatively impact other non-target native fish and invertebrate species. The use of other control technologies including barriers are being investigated to control sea lamprey populations more effectively with less overall costs and environmental impacts

Proposed Project: Installation of a sea lamprey barrier would prevent adult sea lamprey from reaching 374 river miles (RM) or 669 acres of spawning habitat, which in turn reduces the size of the feeding juvenile lamprey population in Lake Erie. The photo above was taken at a bridge on Griffey Road and looking upstream. This location is the focus area for the Federal Interest Determination (FID). The FID will look at the following alternatives: (1) No Action; (2) High Fixed Crest Sea Lamprey Barrier; (3) Low Fixed Crest and Electrical Sea Lamprey Barrier.

Partners and Collaboration: Great Lakes Fishery Commission (GLFC) and Pennsylvania Fish & Boat Commission (PFBC)

Project Benefits: Prevention of sea lamprey from 374 RM or 669 acres of spawning habitat in Conneaut Creek thereby reducing sea lamprey populations in Lake Erie and in turn reducing impacts of sea lamprey predation on native and sport fishes such as lake trout. A reduction of lampricide

Measure of Progress	Project Output
Measure 2.2.1 - Aquatic/terrestrial acreage controlled	669 acres

application minimizes negative impacts to native non-target aquatic species in Conneaut Creek.

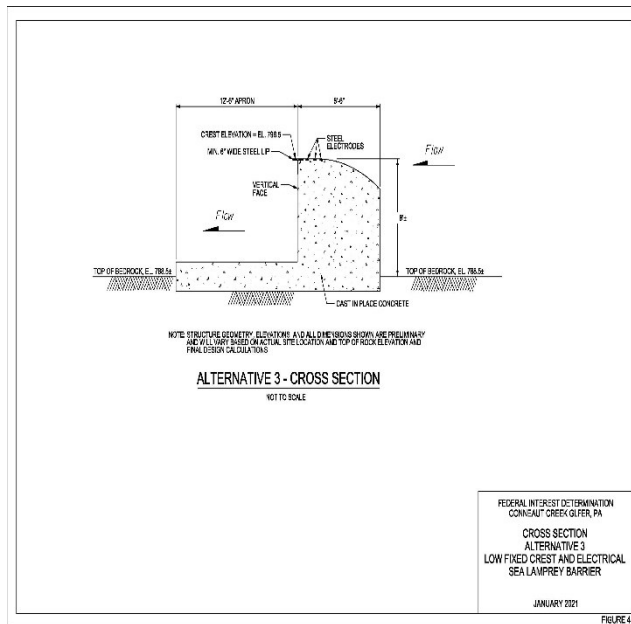
Project Status: Completed the Federal Interest Determination in May 2021 and the Feasibility Scoping Meeting in August 2021. Executed a Feasibility Cost Share Agreement in October 2021 and started the feasibility study. Obtaining as many rights of entry for investigations as possible.

Estimated Construction Project Costs	
Federal	TBD
Non-Federal	TBD
Total	TBD

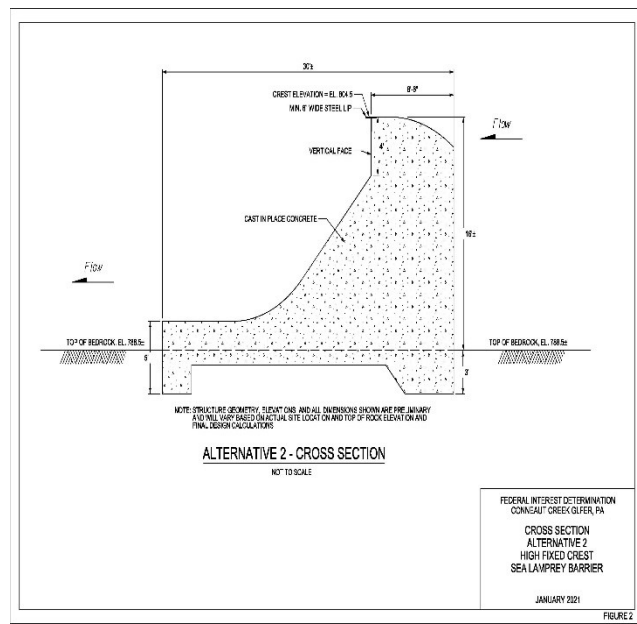
Project Milestones	
Completed Federal Interest Determination (FID)	MAY 2021
Feasibility Cost Share Agreement (FCSA) executed	OCT 2021
Started Feasibility Study	OCT 2021

Project Budget	
FY 2021	\$100,000
FY 2022	\$270,000
FY 2023	\$250,000

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Alternative 2: High Fixed Crest Sea Lamprey Barrier



Alternative 3: Low Fixed Crest and Electrical Sea Lamprey Barrier

