



## FACT SHEET

February 2015

### Harpersfield Dam - Geneva, OH

Section 506 Water Resources Development Act of 2000, as amended  
Great Lakes Fishery and Ecosystem Restoration Program (GLFER)

#### Location

- The project is located in the town of Geneva in Ashtabula County, OH along the Grand River
- The dam is immediately upstream of the historic Harpersfield covered bridge on Old Harpersfield Road

#### Project Description

- Alternatives that are being evaluated include replacing the existing dam in-place which will effectively prevent sea lamprey passage
- Other alternatives include construction of a sea lamprey trap at the existing dam and construction of a new barrier and trap at a new location farther downstream of Harpersfield Dam
- Sea lamprey have created a problem in the Great Lakes because of their aggressive parasitism on key predator species and game fish, such as Lake Trout, Lake Whitefish, Chub, and Lake Herring
- The feasibility phase is Federally funded
- Design and Implementation is cost-shared 65% Federal and 35% non-Federal<sup>(1)</sup>

#### Importance

- Improvements to prevent sea lamprey passage and reproduction upstream of Harpersfield Dam on the Grand River will prevent the need for lampricide treatments above the dam, which will save \$335,000 per treatment
- These improvements will contribute to an overall lower Sea Lamprey population in Lake Erie, which in turn improves the sustainability of valuable fisheries resources
- Application of lampricide is potentially lethal to some non-target species

#### Consequences

- If no actions are taken to prevent sea lamprey migration above Harpersfield Dam, or the dam deteriorates further, it is likely that sea lamprey populations will significantly increase
- This would result in the continued application of lampricide every three to four years and could extend the need for treatment to an additional 60 river miles upstream of Harpersfield Dam

Project Phase	Est. Fed. Cost of Phase	Federal Funding through FY14	FY15 Requirement	FY15 Budget	FY16 Requirement	FY16 Budget
Feasibility	\$600k	\$1,097k*	\$225k	\$0k	\$0	\$0
Design & Implementation (1)	\$2.5M	\$0	\$0	\$0	\$6.5M	\$0

(1) Design & Implementation are preliminary estimates; detailed estimates will be developed at the conclusion of the feasibility phase.

\* \$759k Funded through the Great Lakes Restoration Initiative (GLRI) Program

### Project Sponsor/Customer

- The Great Lakes Fishery Commission

### Congressional Interests

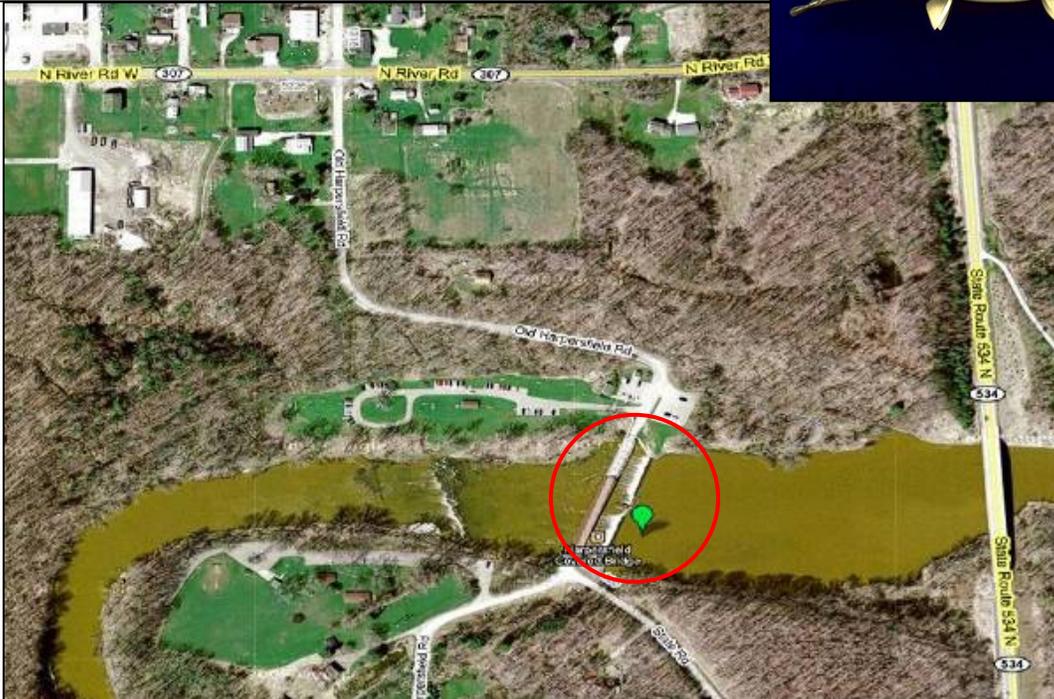
- Representative David Joyce R-OH-14
- Senator Rob Portman R-OH
- Senator Sherrod Brown D-OH

### Current Status

- The project is in the feasibility study phase, which is anticipated to be complete by 2QFY15. FY14 GLRI funds will be used to finalize the feasibility study report
- FY15 GLRI funds will be used for design & construction

### Issues

- Additional stability analyses show the existing dam is not as stable as originally thought. Therefore, alternatives are being evaluated to consider the deteriorated condition of the dam



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