



SPRINGVILLE DAM, SPRINGVILLE, NY

Section 506 of the Water Resources Development Act of 2000
Great Lakes Fisheries and Ecosystem Restoration (GLFER)
Construction General (CG)

Location

- The dam is located in the village of Springville, Erie County in western New York on the Cattaraugus Creek. It is approximately 30 miles south of Buffalo and is 34 miles upstream of the Lake Erie confluence. Cattaraugus Creek is the natural boundary separating Erie and Cattaraugus Counties.

Project Description

- Restore ecological connectivity of the upper Cattaraugus Creek watershed to the downstream areas of the creek and Lake Erie.
- The preferred plan lowers the dam spillway and replaces it with a sea lamprey (invasive species) barrier and fish ramp. At the top of the ramp will be a stoplog weir, a jump pool and a lamprey trap. The stoplogs may be removed

Current Status

- The Detailed Project Report and Environmental Assessment completed and certified 10 AUG 2015.
- A draft Project Partnership Agreement (PPA) is being reviewed by the non-Fed sponsors. Upon completion the draft will be finalized by USACE for signature by all parties.
- Erie County has committed \$470K toward the non-Federal cost share.

Project Sponsors

- New York State Department of Environmental Conservation through a letter of request in January 2014.
- Erie County through a letter of intent FEB 2014

Project Phase	Est. Federal Cost of Phase	Federal Funds Spent to FY15 End	FY16 Requirement	FY16 Budget	FY17 Requirement	FY17 Budget
Feasibility	\$1,128K	\$1,588K ²	\$0	\$0	\$0	NA
Project Partnership Agreement	\$65	\$0	\$100K	\$100K	\$0	NA
Design & Implementation	\$3,191K	\$57K ²	\$0	\$0	\$437K	\$437K ³
TOTAL	\$4,384K¹	\$1,645K²	\$100K	\$100K	\$437K	\$437K³

¹ This is only Federal cost. Total project cost (Federal plus non-Federal) is estimated to be \$6,600K.

² Most of these funds will be retroactively cost shared at the beginning of PED, after the PPA is completed.

³At PPA completion the non-Federal share from the completed Feasibility Phase is due. Those funds amount to more than the FY17 budget.

during non-lamprey spawning season allowing unrestricted access.

and a self-certification statement of financial capability.

Importance

- This project supports Lakewide Management Plan (LaMP) goals: Maintain/restore ecosystem to support self-reproducing diverse biological communities.
- The upper Cattaraugus Creek and its tributaries are all of higher quality than downstream of the dam with regards to water quality and spawning habitat.

Congressional Interests

- Representative Tom Reed R-NY-23
- Representative Chris Collins R-NY-27
- Senator Charles Schumer D-NY
- Senator Kirsten Gillibrand D-NY

Consequences

- Not restoring ecological connectivity will deny fish communities above and below the dam increased richness and abundance.

Issues

- Springville Dam does not meet current design safety standards. Any modification to the dam must include bringing the dam into compliance and involve Type 2 IEPR procedure.

- Limiting sea lamprey movements and reproduction should remain a critical consideration of this project.



Figure 1. Springville Dam - Looking upstream, before modification.



Figure 2. Springville Dam - Artist's rendering of completed fish passage ramp with sea lamprey barrier.