FISH PASS Navigating the connectivity conundrum: FishPass and the still or known in the science of selective fish passage

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Connectivity conundrum?



Longnose suckers



A Global problem:

• Tension between improving passage for desirable species while decreasing or eliminating passage by invasive or undesirable species.



Boardman (Ottaway) River

FishPass Mission

Existing Conditions

Proposed Conditions



To provide up- and down-stream passage of desirable fishes while simultaneously blocking and/or removing undesirable fishes.

- 1) develop and implement selective bi-directional fish guidance, sorting, and passage techniques and technologies;
- 2) determine protocols for implementing selective passage solutions within the Boardman River and throughout the Great Lakes Basin; and
- 3) set solutions in a global context so the approach can be exported.

FishPass



Project update

- Contract suspension lifted on Phase 1&2 (in-stream infrastructure)
- Construction started in May 2024
- Additional \$4.6M funding awards this year (GLRI, EGLE, State of MI, NOAA)

														C	ons	truct	ion	Tim	elir	e											
		2024								2025												2026									
Phase	Activity	May	Jun		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	<u>ک</u>	Aug .	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr			Aug	Sep	Oct	Nov
1	Fencing, site preparations, site removals, watermain																														
1	Install and dewater upstream cofferdam																														
۱	Construct arc labyrinth weir																														
1	Install and dewater downstream cofferdam	0.10101								0.0303																					
1	Demolish auxilliary spillway and fishway, construct temporary bypass channel																														e ne ne
2	Install and dewater cofferdam on north shore							20.00.00.0																2020.002							
2	Demolish main spillway, construct fish-sorting channel																														
2	Remove temporary sheeting, install gantry crane, pedestrian bridge, and grade river banks					101010			0.000	142214																					10100



Construction









Construction – fish recovery





Time-Lapse

Union Street Dam FishPass - Camera, Traverse City, MI US

Construction

T Union Street Dam FishPass October 21, 2024 12:03 PM

Project Timeline



Questions

Leah Bagdon McCallum, Community Engagement Officer
http://www.glfc.org/fishpass.php



For live webcam of FishPass

Existing Conditions

Proposed Conditions

