

Invasive Carp Prevention: Progress in Ohio

Preventing Invasive Bighead and Silver Carp From Entering Lake Erie

*These efforts are about
protecting the Great Lakes*



ODNR Division of Wildlife

John Navarro, Aquatic Stewardship Program Administrator

Ohio AIS Committee

December 13, 2023



Planning, Partners, & Funding

Planning

The image shows two document covers. The top cover is the "Invasive Carp Tactical Plan 2021-2030" from the Ohio Department of Natural Resources, Division of Wildlife. It features a map of Ohio with the Lake Erie Watershed and Ohio River Watershed highlighted. The bottom cover is the "2022 INVASIVE CARP ACTION PLAN" from the Invasive Carp Regional Coordinating Committee, featuring a large white silhouette of a carp on a blue background.

Partners

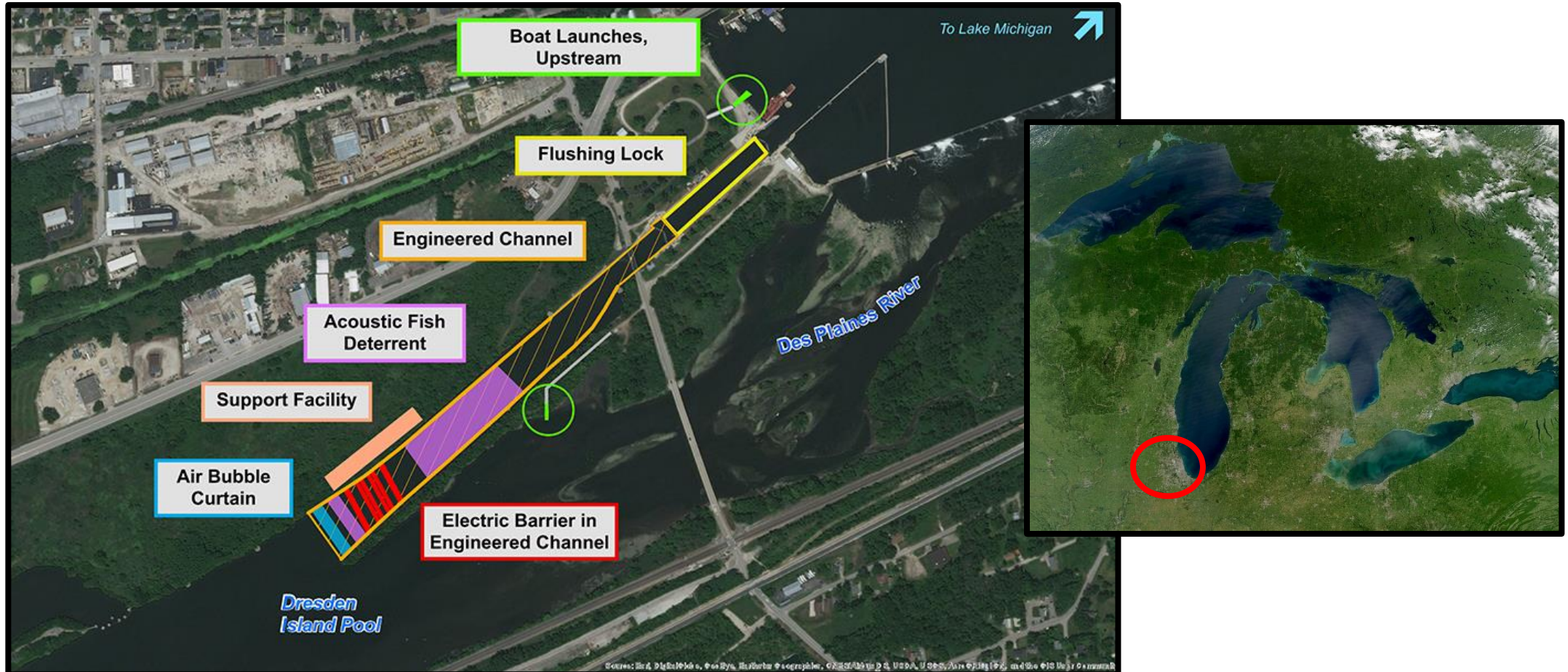


Funding

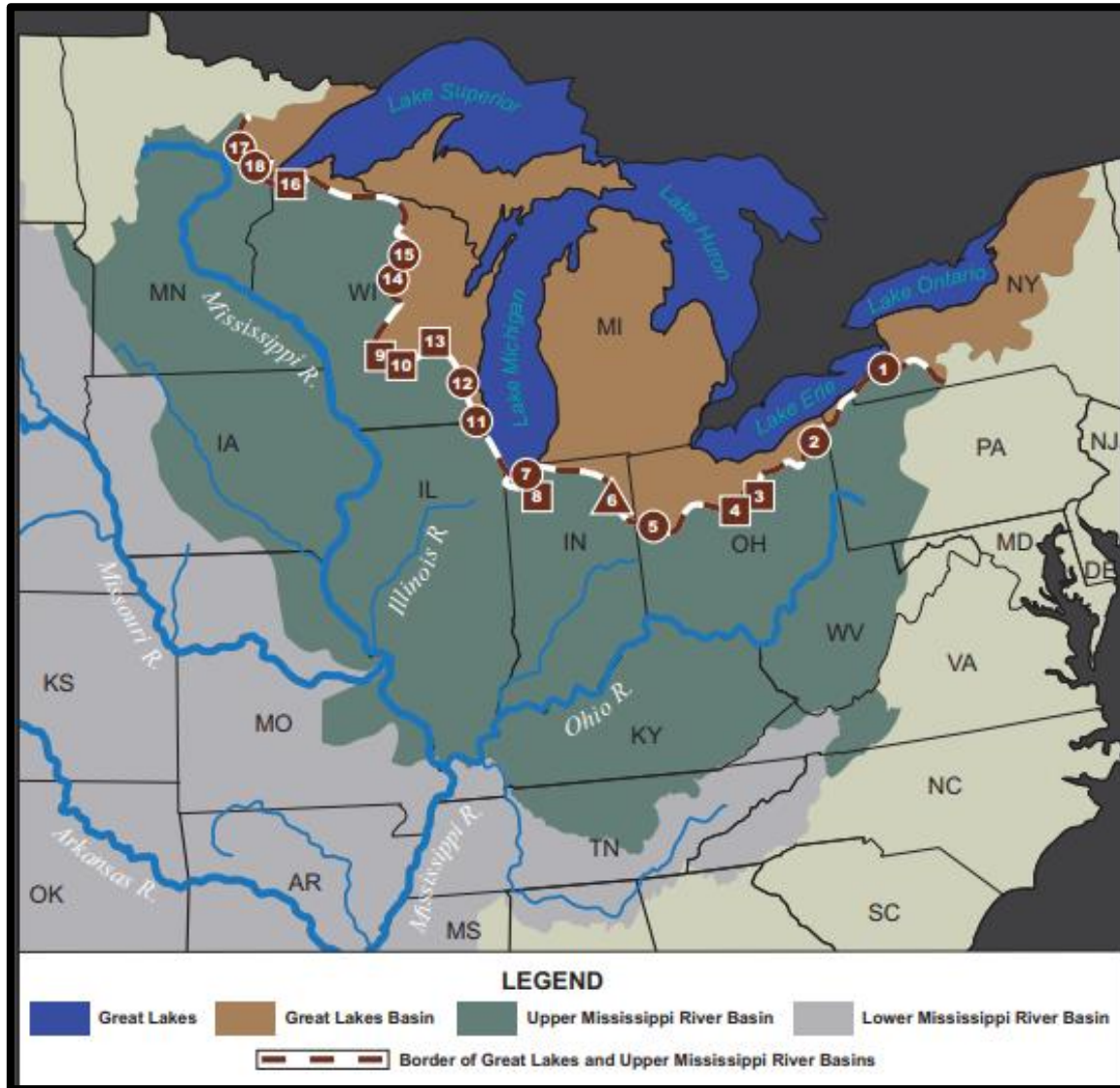


Chicago Area Waterway System

Brandon Road Lock and Dam



GLMRIS: Focus Area 2



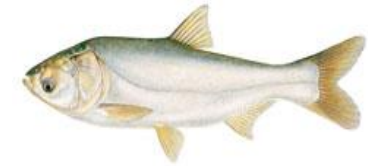
Great Lakes Mississippi River Inter-basin Study (GLMRIS)

• potential pathways

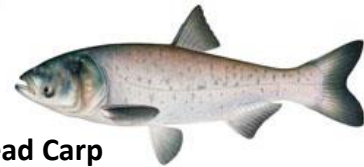
▲ high risk (1)

■ medium risk (7)

● low risk (10)



Silver Carp



Bighead Carp

• Ohio pathways

▲ high risk (0)

■ medium risk (2)

● low risk (2)



Black Carp

GLMIRS: Focus Area 2

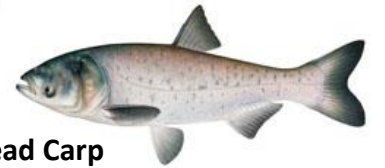


Ohio pathways

- 3** OH-Erie Canal (Long Lake)
- 4** Little Killbuck Creek
- 5** Grand Lake St. Marys
- 2** Mosquito Lake (Grand River)



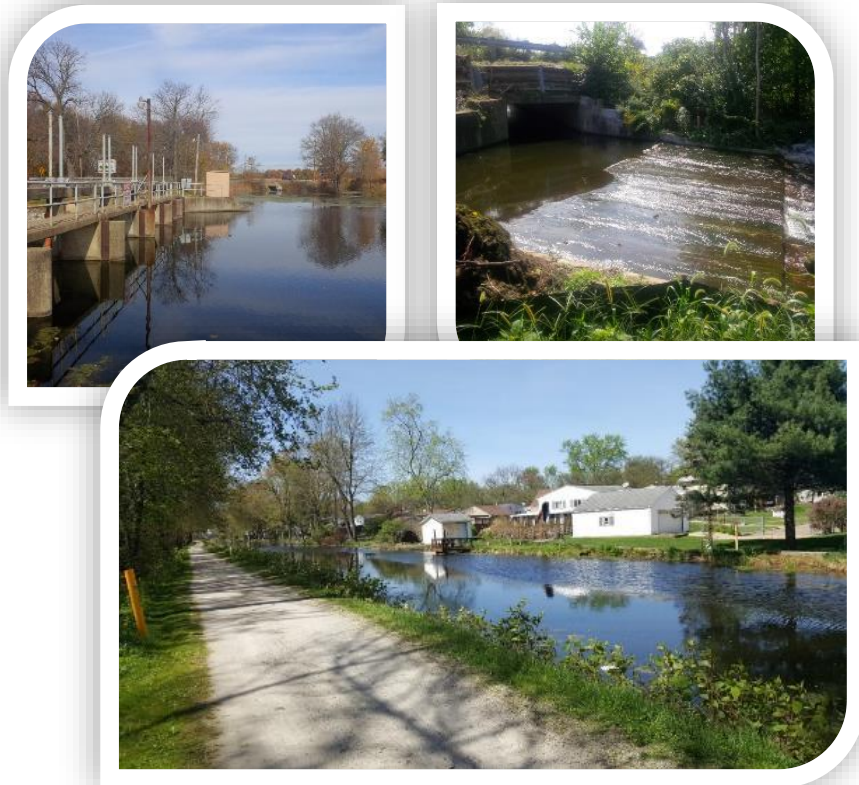
Silver Carp



Bighead Carp

Medium Risk: Ohio-Erie Canal

Aquatic Pathway Concerns
movement from the
Tuscarawas River Watershed to
the Cuyahoga River Watershed



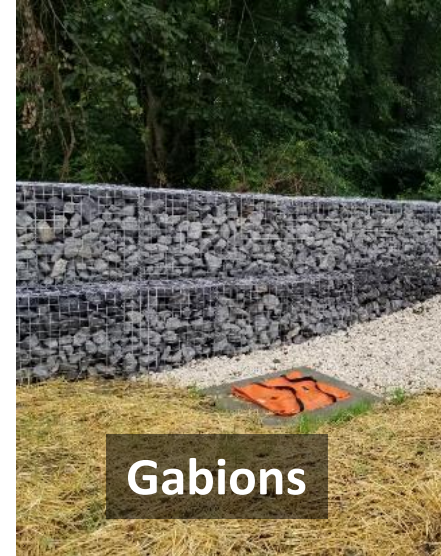
Medium Risk: Ohio-Erie Canal



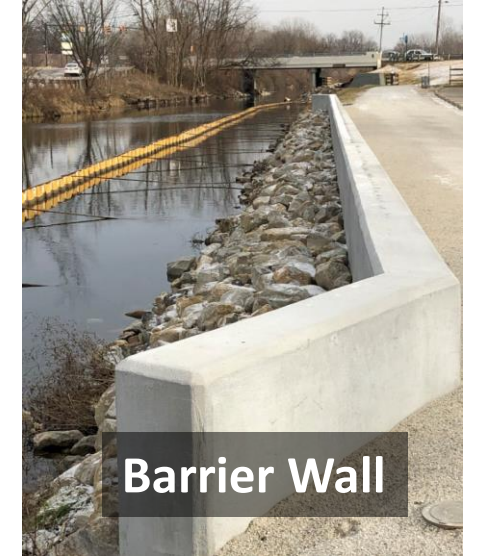
Medium Risk: Ohio-Erie Canal

Risk Reduction Project

- project lead: USACE Buffalo
- partners: USACE, USEPA (ICRCC), Summit Co. MetroParks, ODNR
- scope: 15 areas
- status: completed May 2020
- cost: \$2.5 M (GLRI)



Gabions



Barrier Wall



Screening



Sheet Pile



Topdressing

Medium Risk: Little Killbuck Creek

Aquatic Pathway Concerns

*movement from Little Killbuck Creek (Ohio River Watershed)
to the Black River (Lake Erie Watershed)*



Medium Risk: Little Killbuck Creek



Medium Risk: Little Killbuck Creek

Risk Reduction Project (lead: ODNR)

- partners: ODNR (lead), Medina County Parks, private landowner (Hall Growers), ICRC
- scope: build/modify 4 miles of berm, road elevation, water management, screening
 - ✓ multiple design considerations (USACE Value Engineering Study)
 - ✓ prioritize 6 phases based on flood risk
- status: 90% design plans completed
construction begins spring 2024
- cost: phase I construction \$3 M (GLRI)

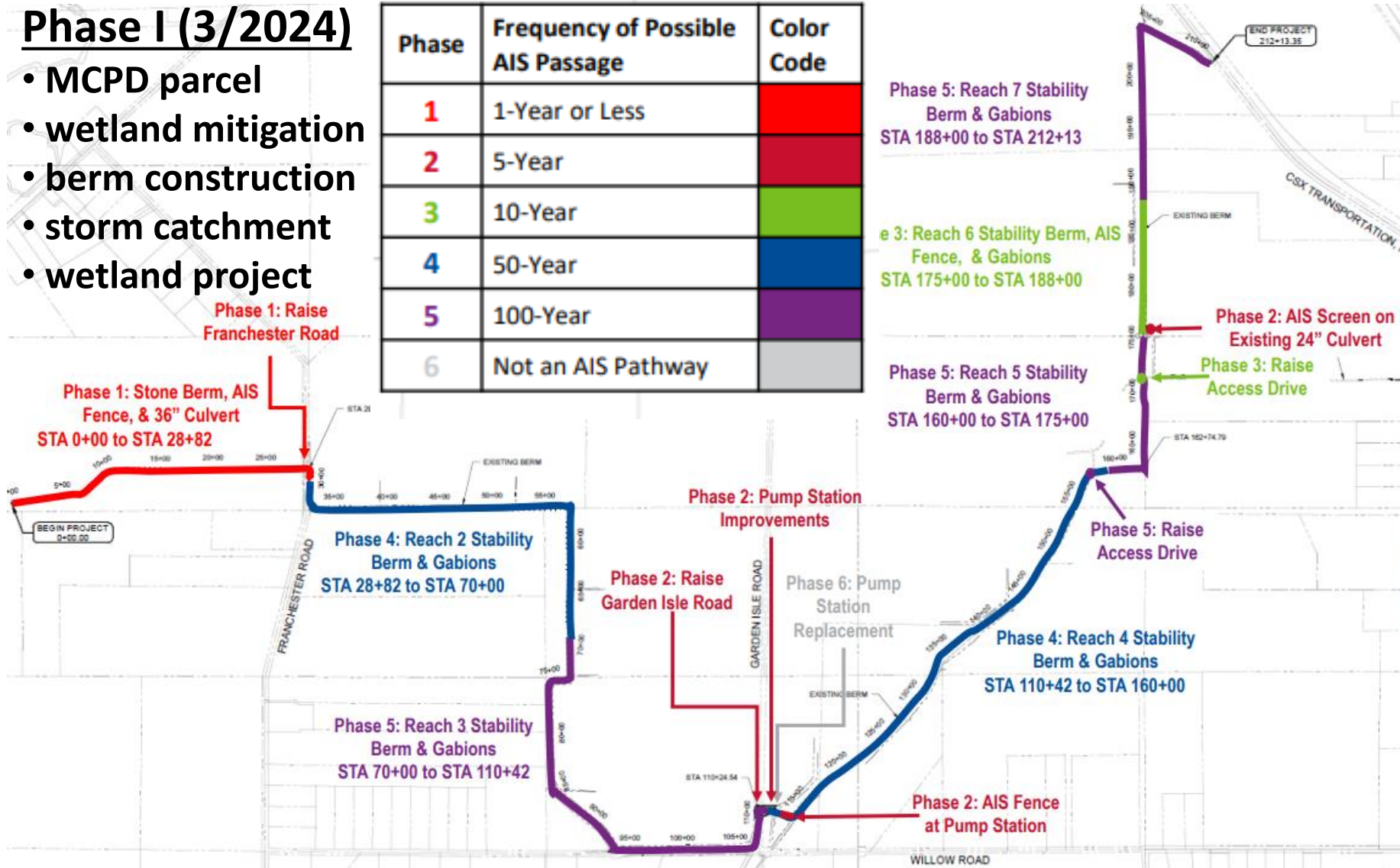


Medium Risk: Little Killbuck Creek

Phase I (3/2024)

- MCPD parcel
- wetland mitigation
- berm construction
- storm catchment
- wetland project

Phase	Frequency of Possible AIS Passage	Color Code
1	1-Year or Less	Red
2	5-Year	Dark Red
3	10-Year	Light Green
4	50-Year	Blue
5	100-Year	Purple
6	Not an AIS Pathway	Grey



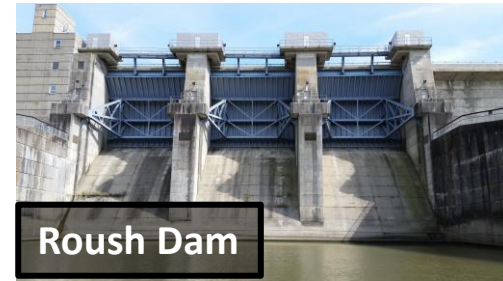
Low Risk Pathways

Grand Lake St. Marys

- 100% plan completed 2022
- Estimated cost: \$1.2 M
- Shelved: considered very low risk
 - ✓ GLSM West End Outlet
 - ✓ Roush Dam (Wabash River, Indiana)



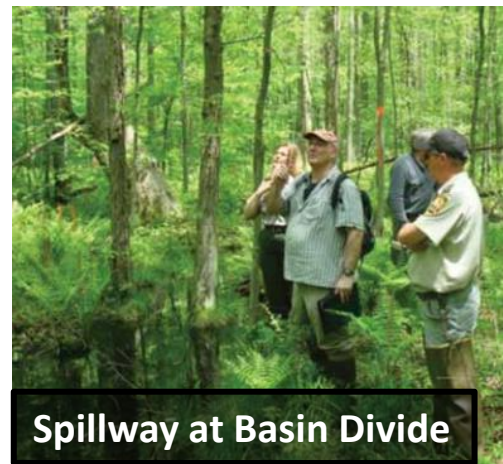
GLSM Outlet



Roush Dam

Mosquito Lake (Grand River)

- Engineering evaluation completed 2016 of uncontrolled natural spillway
- Independent review indicated extremely low risk
- Removed from project list



Spillway at Basin Divide

Summary: GLMRIS Focus Area 2 in Ohio

Risk Reduction Advancing

- ✓ Participating in the Brandon Road L&D Effort
- ✓ Medium Risk: OH-Erie Canal Completed May 2020
- ✓ Medium Risk: LK Creek construction begins March 2024
- ✓ Low Risk: both projects off the books

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John Navarro, AIS Program Administrator

Congressional Briefing - 2023 Invasive Carp Action Plan

July 18, 2023

