Prevention of AIS Entry into the Great Lakes

ODNR Division of Wildlife
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Great Lakes Mississippi River Interbasin Study (GLMRIS)
Mosquito Creek Lake
Ohio – Erie Canal
Lake Erie Watershed

Tuscarawas River
Ohio River Watershed
Bundle of Deterrents
Little Killbuck Creek

Lake Erie Watershed

Ohio River Watershed

The Connection
- Started project in 2010
- Down to two landowners
- New rock berm and earthen berm
- Tried to shorten berm
- Positive relationships
- Verbal agreements
- 50% design; starting construction
- Project staging by risk

**Flood Frequency**

- 1-Year or Less
- 5-Year
- 10-Year
- 50-Year
- 100-Year
Phase I

New Rock Berm

Raise Road

Reach 1
STA 0+00 to STA 28+82
$2,063,000

Reach 2
STA 28+82 to STA 70+00
$3,184,000

Reach 3
STA 70+00 to STA 110+42
$5,303,000

Reach 4
STA 110+42 to STA 160+00
$2,357,000

Reach 5
STA 160+00 to STA 175+00
$2,340,000

Reach 6
STA 175+00 to STA 188+00
$3,513,000

Reach 7
STA 188+00 to STA 212+13
$898,000

Flood Frequency
1-Year or Less
5-Year
10-Year
50-Year
100-Year
Roush Dam to Grand Lake St. Marys (70M)
Outlets to Both Watersheds

Grand Lake St Marys

Outlet to Beaver Creek and Mississippi River

Watershed Boundary

Outlet to St. Marys River, Maumee River, and Lake Erie
Grand Lake St Marys

Transfer Risks
1. SMSFH
2. Outlet
Operational Upgrades at St Mary's St Fish Hatchery
GLSM East End Outlet

Funds Spent to Date:
  • $1,129,032

Final Design Cost:
  • $200,000
  • Tetra Tech

Final Phase is a Screening Structure at East End Outlet:
  • $1M Construction
Takeaways

- These projects are complicated, expensive, and have long timelines.
- Of the highest risk connections, two and closed and plans are underway for the other two.
- Once secondary connections are closed, need to concentrate of the CAWS.