

The Great Lakes Legacy Program:

*A Cooperative, Cost-Sharing Model for
Remediating Contaminated Sediments*

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Great Lakes Water Quality Agreement

- Compact between the United States and Canada
 - Originally signed in 1978, amended in 2013
 - Addresses various Great Lakes issues
 - Identified 43 Areas of Concern (AOCs) around the Great Lakes needing remediation
 - 31 in the US or binational
 - Bi-national agreement to improve the health of the Great Lakes

Progress under the Great Lakes Water Quality Agreement (1978-2002)

- Studies identified primary stressors
- Significant reductions in point discharges
- Some progress on enforcement led cleanups
- Reductions in fish contaminant levels

However ...

- Only 1 AOC delisted
- Progress had stagnated
- Contaminated sediments were primary issue preventing AOC delisting

Great Lakes Legacy Act (GLLA)

GLLA is the first major funding action by the United States to address the AOCs under GLWQA

- Authorized in FY2003
- Funded in FY2004
- Reauthorized in FY2008
- Up to \$50M per year to cost-share the remediation of contaminated sediments in Great Lakes AOCs

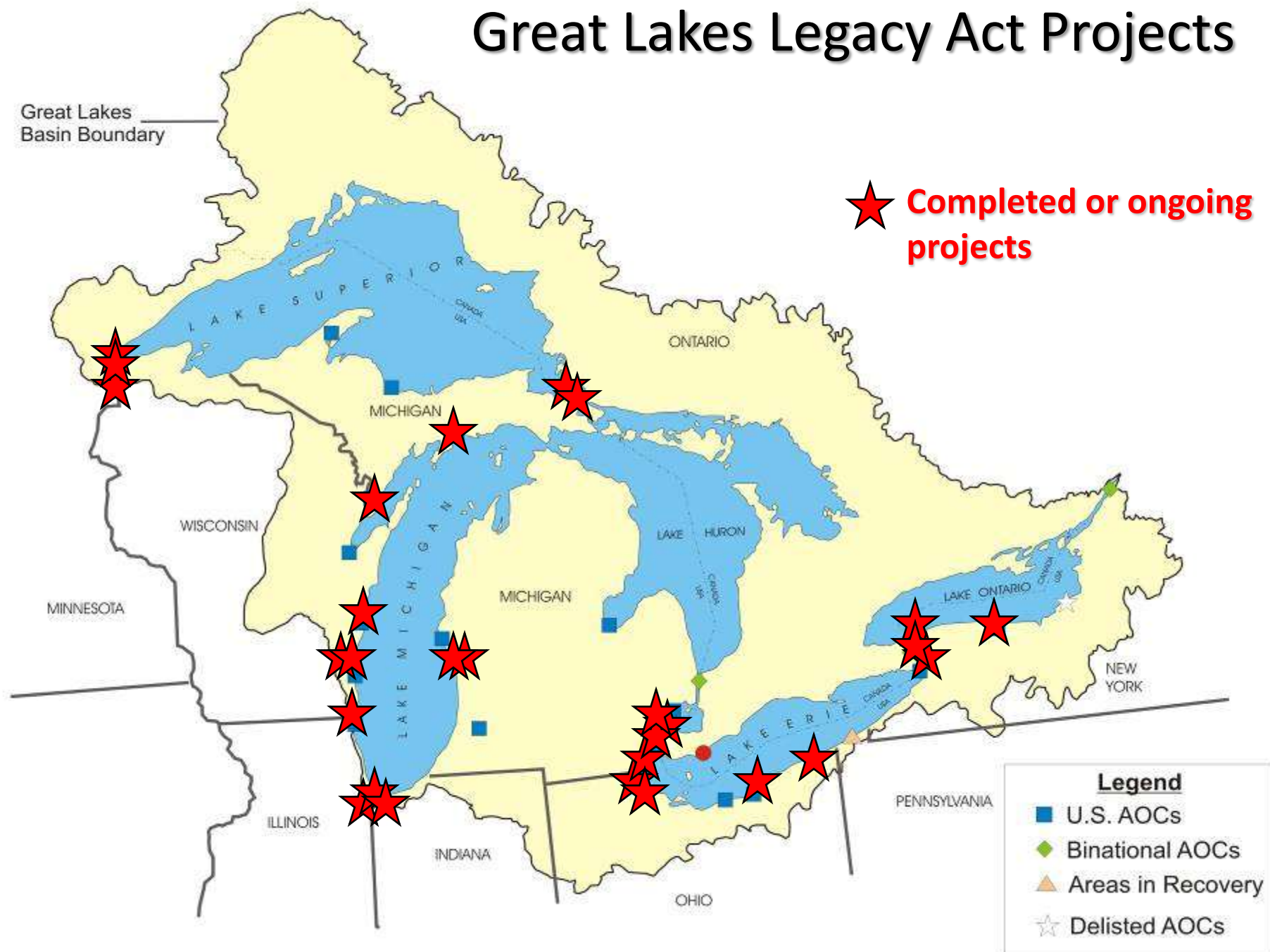
Purpose: To accelerate the pace of sediment remediation in Great Lakes AOCs using partnerships

GLLA: Authorized Project Types

Must be in U.S. Areas of Concern (AOCs) and:

- Implement a plan to remediate contaminated sediment (highest priority),
 - Monitor or evaluate contaminated sediment,
 - Prevent further or renewed sediment contamination,
 - Habitat restoration in conjunction with sediment remediation (added in the FY2008 reauthorization)
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- **All project types require a minimum 35% non-federal cost share**

Great Lakes Legacy Act Projects



GLLA Cost Share Basics

- Contribution methods
 - Cash
 - In-kind contributions
 - land, disposal, services
 - Cash and/or in-kind contributions performed under, an administrative order on consent or judicial consent decree
 - Rare
- Cost-share credits allowable only after a Project Agreement is signed

GLLA Non-Federal Cost Share

- 22 Clean-Ups Complete or Agreements Signed
 - Approximately 2 cleanups/year
 - >4,500,000 CY remediated
- Total cost: \$705 Million
 - \$420 Million GLLA (60%)
 - Leveraged \$285 Million Non-federal match (40%)
 - \$120 Million from Industry Partners

Source of Non-Federal Cost Share for GLLA Remediation Projects

States and local govt.	Industries	Natural Resources Damage Settlement
\$100 M	\$119 M	\$66 M

\$705 Million in total work completed

- \$420M in EPA Funding (60%)
- \$285M in Non-Federal Funding (40%)

Recent GLRI Focus

- GLLA is funded under the Great Lakes Restoration Initiative
 - GLLA focus was on addressing contaminated sediments in Great Lakes AOCs
 - GLRI's AOC Program is focused is on addressing all beneficial use impacts in AOCs
 - In 2012, EPA set target for attaining construction complete status at 17 AOCs by FY2019
 - These AOCs include only 7 sediment remediation actions
 - 2 remaining sediment remediation actions
 - 1 sediment remediation action currently underway

GLRI Focus – The Next 6 Years

- 8 AOCs under consideration for aggressive push through FY2024.
- Approximately 50 sediment remediation actions required across these 8 AOCs
 - Would require 6-7 remediation projects per year
- *Identifying cost-share partners for construction is major impediment*

2018 Remedial Action Projects (7 projects)

Zephyr

Lower Rouge River – Old Channel

Minnesota Slip

Slip 3/Slip C

Indiana Harbor - Lake George Branch

Spirit Lake – St. Louis River

Howards Bay

2018 RI/FS/RD Projects (12 projects)

East Branch Grand Calumet River -Phase 2
Monguagon Creek – Upper Trenton Channel
Otter Creek
Grand Calumet River – Junction Reaches
Indiana Harbor TSCA Sediments
Upper Trenton Channel
Menomonee and Milwaukee Rivers
Cuyahoga River – Old Channel
Ryerson Creek
Crawford Creek
Scajacquada Creek
Cuyahoga Gorge Dam

2018 RI/FS/RD Projects (Prospective Projects)

St. Louis River (Minnesota side)

- Northland/AGP Slip
- Azcon/DSPA Slip
- Mud Lake West
- Munger Landing
- Ponds Behind Erie Pier
- Scanlon Reservoir
- Thomson Reservoir

2018 Site Characterization Projects (4 projects underway)

- Milwaukee River Downstream
- Niagara River Tributaries
- Detroit River Harbortown
- St. Louis River, City of Superior Slips (BP Amoco, General Mills, Tower Avenue, Bunge Dock)
- Kinnickinnic River (Chase to KK Avenue)
- St. Louis River – Munger Landing (Wisconsin side)
- Milwaukee Estuary; South Menomonee and Burnham Canal up to 11th Street
- Milwaukee Outer Harbor (Lakeshore State Park)
- Milwaukee River Inner Harbor (upstream to KK Ave.)
- Milwaukee Near Shore (St. Francis former power plant)
- Maumee River Phase 2
- Rouge River Mainstem

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