



# Great Lakes Remedial Action Plans

U.S. ARMY CORPS OF ENGINEERS

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**Issue:** Areas of Concern (AOCs) are sites in the Great Lakes where a legacy of pollution has impaired the beneficial use of water resources. Four of 31 AOCs in the U.S. have been formally de-listed to date. Cleaning up the remaining AOCs is one of the highest priorities in the Administration's Great Lakes Restoration Initiative (GLRI). State and local governments are leading efforts to develop and implement Remedial Action Plans (RAPs) which identify actions required to address the remaining sources of pollution, contaminated sediments, and degraded fish and wildlife habitat.

**Authority:** Under the authority of Section 401(a) of the Water Resources Development Act of 1990, as amended, the U.S. Army Corps of Engineers (USACE) is providing technical support to states and local organizations in the development and implementation of RAPs at Great Lakes AOCs. This cost-shared support (35% non-federal match as cash or in-kind services) has been used to plan and design projects for sediment cleanup, source control, and habitat restoration. Many of the restoration plans and designs developed under this program have been implemented under other federal or non-federal funding programs, including the Great Lakes Legacy Act. To date, technical support has been provided to 22 AOCs. A partial list of support provided under the GLRAP program and additional support that has been requested is provided on the attached table.

**Funding:** The USACE' base funding for the GLRAP program is through the annual Energy & Water Appropriations. While no base funding has been provided since Fiscal Year 2011, over \$8 million of funding from the GLRI has been utilized by GLRAP projects through FY 2017. The optimal funding level to continue this critical support to AOC restoration and delisting is \$2.5 million in FY 2018 and \$2 million in FY 2019.

**Status:** USACE Districts are currently providing GLRAP support to the following AOCs: St. Louis River, MN/WI; Niagara River, NY; Maumee River, OH, and; Milwaukee Estuary, WI. These and other AOCs have expressed interest in additional GLRAP support.

**Points of Contact:** Contact the following USACE POCs for RAP support at Areas of Concern in these states:

**New York, PA and Ohio**

**Bryan Hinterberger**

**Buffalo District**

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**Michigan, MN and WI**

**Martin Kuhn**

**Detroit District**

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**Illinois and Indiana**

**Jennifer Miller**

**Chicago District**

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More Information on this program is available at:

[www.lrd.usace.army.mil/Missions/CivilWorks/Environmental/GreatLakesPrograms/GreatLakesRemedialActionPlans.aspx](http://www.lrd.usace.army.mil/Missions/CivilWorks/Environmental/GreatLakesPrograms/GreatLakesRemedialActionPlans.aspx)

### Partial Summary of Great Lakes RAP Support Provided and Additional Support Requested

Area of Concern	Previous RAP Support Provided	Additional RAP Support Requested
Waukegan Harbor, IL	Design of sediment cleanup (implemented by GLRI)	
Grand Calumet River, IN	Design of sediment cleanup (implemented by Legacy Act)	Habitat restoration planning and design
Clinton River, MI	Mapping and planning for stream restoration	
Deer Lake /Carp River, MI		
Detroit River, MI	Design of sediment cleanup (implemented by Legacy Act)	Habitat restoration planning and design
Kalamazoo River, MI	Dam removal / restoration planning and design (ongoing)	
Manistique River, MI	Sediment monitoring	
Muskegon Lake, MI	Groundwater remediation pilot study	Design of sediment cleanup
River Raisin, MI	Stream restoration planning	
Rouge River, MI	Habitat restoration planning and design	
Saginaw River/Bay, MI	Public outreach related to BUI delisting	
St. Clair River, MI	Water and sediment quality evaluations	
St. Mary's River, MI		
Torch Lake, MI		Habitat restoration planning and design
White Lake, MI	Design of sediment cleanup (implemented by Legacy Act)	
St. Louis River, MN/WI	Sediment cleanup & habitat plan and design (ongoing)	Design sediment cleanup & restoration design (ongoing)
Buffalo River, NY	Design of sediment cleanup (implemented by Legacy Act)	
Eighteen Mile Creek, NY	Design of habitat restoration (constructed by locals)	
Niagara River, NY	Habitat restoration design (multiple projects ongoing)	Sediment evaluation & restoration design (ongoing)
Rochester Embayment, NY	Algae removal demonstration project	
St. Lawrence River, NY		Habitat restoration planning and design
Ashtabula River, OH	Planning sediment cleanup (implemented by Legacy Act)	
Black River, OH	Nonpoint source pollution evaluation	Sediment evaluation
Cuyahoga River, OH	Habitat restoration planning	
Maumee River, OH	Design of habitat restoration (implemented by GLRI)	Habitat restoration planning and design
Fox River/Green Bay, WI		Habitat restoration planning and design
Menominee River, MI/WI		
Milwaukee Estuary, WI	Design of sediment cleanup (implemented by Legacy Act)	Habitat restoration design (ongoing)
Sheboygan River, WI	Planning sediment cleanup (implemented by GLRI)	