



# Great Lakes Remedial Action Plans

U.S. ARMY CORPS OF ENGINEERS

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**Issue:** There are thirty Areas of Concern (AOCs) in the U.S. portion of the Great Lakes where a legacy of pollution has impaired the beneficial use of water resources. Cleaning up these 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, GLRAP technical support has been provided to 23 AOCs. A partial list of GLRAP support provided 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. Recent funding from this source included \$3.4 million in FY 2010, \$0.4 million in FY 2011, and none in FY 2012. In addition, about \$1 million of funding has been provided for GLRAP projects through the Great Lakes Restoration Initiative. The optimal funding level to continue this critical support to AOC restoration and delisting is \$3.0 million in FY 2013 and \$3.5 million in FY 2014.

**Status:** USACE Districts are currently providing support to the RAPs at the following AOCs: St. Louis River, MN/WI; Niagara River, NY; Clinton River, MI; Muskegon Lake, MI; Saginaw River/Bay, MI; Maumee River, OH, and Milwaukee Estuary, WI.

**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**

**Kirston Buczak**

**Chicago District**

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More Information on this program is available at: [www.glc.org/corpsrap/](http://www.glc.org/corpsrap/)

### 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	Sediment cleanup planning and design	Monitoring recovery of BUIs
Grand Calumet River, IN	Sediment cleanup planning and design, TMDL modeling	Habitat restoration planning and design
Clinton River, MI	Mapping and planning for stream restoration (ongoing)	Stream restoration design
Deer Lake /Carp River, MI		
Detroit River, MI	Design of sediment cleanup (implemented by Legacy Act)	Habitat restoration planning and design
Kalamazoo River, MI		
Manistique River, MI	Sediment monitoring	
Muskegon Lake, MI	Groundwater remediation pilot study (ongoing)	Design of bioremediation plant
River Raisin, MI	Stream restoration planning	Sediment remediation planning and design
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	Sediment evaluation/habitat restoration plan and design
St. Mary's River, MI		Habitat restoration planning and design
Torch Lake, MI		
White Lake, MI	Sediment cleanup design (implemented by Legacy Act)	Habitat restoration planning and design
St. Louis River, MN/WI	Sediment cleanup planning and design (ongoing)	Zephyr site remediation pilot study
Buffalo River, NY	Sediment cleanup and habitat restoration planning	Habitat restoration planning and design
Eighteen Mile Creek, NY	Trophic trace food web model	
Niagara River, NY	Habitat restoration planning and design (ongoing)	Habitat restoration design
Rochester Embayment, NY	Algae removal demonstration project (ongoing)	
St. Lawrence River, NY		Algae mitigation
Ashtabula River, OH	Sediment cleanup planning (implemented by Legacy Act)	
Black River, OH	Nonpoint source pollution evaluation	Investigate nonpoint source pollution and mitigation
Cuyahoga River, OH	Habitat restoration planning	Gorge dam removal planning and design
Maumee River, OH	Habitat restoration planning and design (ongoing)	Habitat restoration design
Presque Isle Bay, PA		
Fox River/Green Bay, WI		Habitat restoration planning
Menominee River, MI/WI		Habitat restoration planning/sediment quality evaluation
Milwaukee Estuary, WI	Sediment cleanup design (implemented by Legacy Act)	Habitat restoration planning and design
Sheboygan River, WI	Sediment cleanup design (implemented by GLRI)	