



# Great Lakes Remedial Action Plans

U.S. ARMY CORPS OF ENGINEERS

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**Issue:** There are 30 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 percent 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, Great Lakes RAP technical support has been provided to 22 AOCs. A partial list of Great Lakes RAP support provided, and additional support that has been requested, is included on the attached table.

**Funding:** The USACE base funding for the Great Lakes RAP program is through the annual Energy and Water Appropriations. Recent funding from this source included \$3.4 million in FY2010, \$0.4 million in FY 2011, and \$0.0 in FY2012. In addition, about \$1 million of funding has been provided for Great Lakes RAP projects through GLRI. The optimal funding level to continue this critical support to AOC restoration and delisting in FY 2013 is \$3.5 million.

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

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

New York, Pennsylvania, and Ohio	Michigan, Minnesota, and Wisconsin	Illinois and Indiana
Bryan Hinterberger Buffalo District 716-879-4409 <a href="mailto:bryan.a.hinterberger@usace.army.mil">bryan.a.hinterberger@usace.army.mil</a>	Martin Kuhn Detroit District 303-226-2283 <a href="mailto:Martin.t.kuhn@usace.army.mil">Martin.t.kuhn@usace.army.mil</a>	Kirston Buczak Chicago District 312-846-5552 <a href="mailto:Kirston.a.buczak@usace.army.mil">Kirston.a.buczak@usace.army.mil</a>

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

## Summary of Great Lakes RAP Support Provided to Date 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	Evaluation of nonpoint bacterial pollution sources	Plan and design habitat projects (ongoing)
Deer Lake /Carp River, MI		Design of stream re-routing around mine drainage
Detroit River, MI	Sediment cleanup design (implemented by Legacy Act)	Habitat restoration planning and design
Kalamazoo River, MI		
Manistique River, MI	Sediment monitoring to delist AOC	
Muskegon Lake, MI	Evaluation of groundwater pollution sources	Contamination source identification (negotiating)
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	Public outreach support on AOC delisting (ongoing)
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)	Knowlton Cr. watershed management study (ongoing)
Buffalo River, NY	Sediment cleanup and habitat restoration planning	Habitat restoration planning and design
Eighteen Mile Creek, NY	Stream restoration planning and design	
Niagara River, NY	Development of stage 2 RAP	Habitat restoration planning and design (ongoing)
Rochester Embayment, NY	Water and sediment quality evaluations	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	Monitoring habitat restoration recovery
Maumee River, OH	Habitat restoration planning and design	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 remediation planning and design	