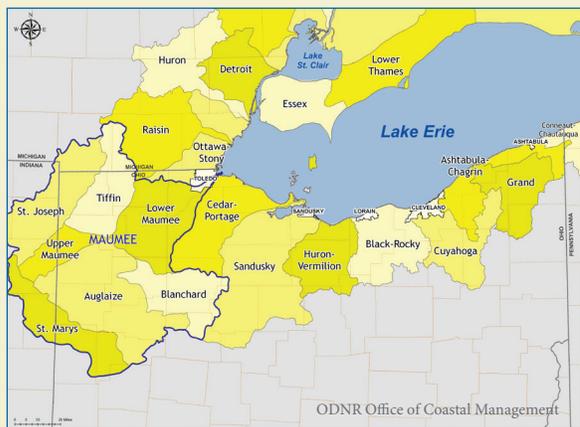


# Ohio's Awarded Projects

## Great Lakes Restoration Initiative 2010-2011

**Restoration:** an act of bringing back to a former condition of being unimpaired.



Lake Erie is affected by the decisions and actions of people throughout its watershed and the watersheds of the upper Great Lakes. Ohio's portion of the Lake Erie watershed, illustrated above, drains 11,649 square miles and is home to 4.65 million people.

### Restoration Focus Areas

The Great Lakes Restoration Initiative is funding projects in five focus areas which have been identified as the highest priorities for which urgent action is required to restore the Great Lakes. They five areas are listed below, with the number of awards in Ohio for 2010-2011 and the combined funding amount given to state, local, and nonprofit organizations.

- **Toxic Substances & Areas of Concern** ~ \$3.39 million for 8 projects
- **Invasive Species** ~ \$2.68 million for 6 projects
- **Nearshore Health and Nonpoint Source Pollution** ~ \$5.55 million for 15 projects
- **Habitat and Wildlife Protection and Restoration** ~ \$9.26 million for 12 projects
- **Accountability, Monitoring, Evaluation, Communication and Partnerships** ~ \$623,135 for 4 projects.

### Get Involved

While some of Ohio's proposed projects for GLRI funding will be completed by state agencies, others will result in funding opportunities for local groups through competitive grants.

To provide input on Ohio's proposals or inform us of projects you intend to submit to the GLRI, visit:

[lakeerie.ohio.gov/GLRI.aspx](http://lakeerie.ohio.gov/GLRI.aspx)

**Lake Erie** has drawn people to Ohio as a recreational retreat, source of drinking water, mode of transit and shipping, and basis of livelihood for many years. Today, those 127.7 trillion gallons of water bring Ohio nearly \$11 billion annually in visitor spending alone.

### Attraction has its Price

For more than a century, Lake Erie suffered from industrial pollution, untreated sewage discharges, and habitat degradation. Although significant strides have been made in addressing these issues, beneficial uses in four of Ohio's major Lake Erie tributaries are still impaired. Algal blooms are returning in levels not seen in 30 years, and new invasive species continue to affect the ecological balance of the lake.

### Envisioned Improvements

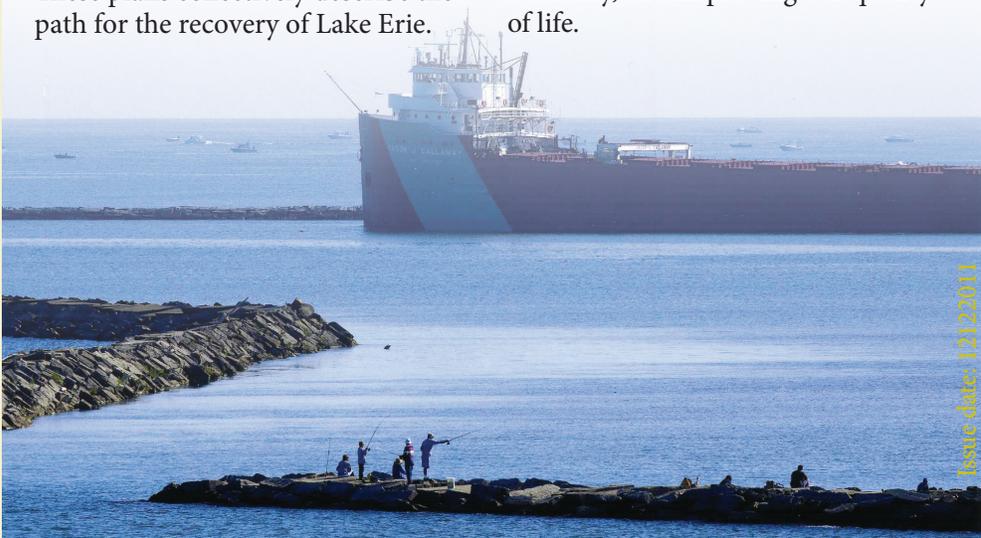
The state of Ohio and local entities have developed strategic plans for the recovery of Lake Erie and its tributaries. Blue prints for a green watershed lie in waterfront plans, watershed action plans, balanced growth plans, habitat and species recovery plans, the Lake Erie LaMP, Remedial Action Plans, and the Lake Erie Protection & Restoration Plan. These plans collectively describe the path for the recovery of Lake Erie.

### Beacon of Recovery

Lake Erie has suffered great impairments and yet has also been a model of ecosystem recovery. Through the nearly \$775 million in Great Lakes Restoration Initiative (GLRI) funding, Ohio can continue to participate in the environmental restoration being carried out in the Great Lakes. These GLRI projects are restoring beneficial uses in Ohio's four Areas of Concern, will reduce harmful algal blooms, make beaches safer, protect critical habitats, reduce contamination from traditional non-point sources of pollution, address emerging contaminants of concern such as pharmaceutical residues, and track measurable goals through some of the country's best monitoring programs.

### Great Expectations

With the help of GLRI funding, the balance between use and preservation of Lake Erie's coastal resources will be achieved giving our children a restored resource. The Brookings Institution has estimated that implementing the Great Lakes restoration strategy in full will generate \$50 billion in long-term benefits, creating jobs, revitalizing our regional economy, and improving our quality of life.



### Toxins and Areas of Concern – 8 projects

1. Cuyahoga R: Cuyahoga River Urban Riparian Habitat Restoration Phase I: Cuyahoga Co. Engineer's Office; \$1.5M; 2010.
2. Cuyahoga R: Installation of Dental Amalgam Separators: Northeast Ohio Regional Sewer District; \$250,000; 2010.
3. Cuyahoga R: Deploying Debris Management System in Cuyahoga River Area of Concern: Cleveland Cuyahoga County Port Authority; \$425,000; 2011.
4. Maumee R: Prevention of Surface Water Contamination from Biosolids: University of Toledo; \$550,228; 2010.
5. Ottawa R: Ottawa River Watershed Scrap Yard Program: City of Toledo, Toledo Metropolitan Area Council of Govts; \$270,600; 2010.
6. Area of Concern Watersheds: Fish Deformity Data Collection and Analysis: Ohio EPA; \$177,688; 2011.
7. Basin wide: Undo the Great Lakes Chemical Brew-Proper Pharmaceutical & Personal Care Product Disposal: Pennsylvania Sea Grant, Ohio Sea Grant; \$66,748; 2010.
8. Basin wide: Toxics Reduction via Responsible E-Waste Management: Delta Institute; \$151,000; 2011.

### Invasive Species – 6 projects

9. Maumee R to Sandusky R: Phragmites Control in Western Lake Erie Coastal Wetlands: The Nature Conservancy, Ottawa Soil and Water Conservation District, Winous Point Conservancy, US Fish & Wildlife; \$497,331; 2010.
10. Maumee R to Sandusky R: Long-term Phragmites Control through the Lake Erie Cooperative Weed Management Area: The Nature Conservancy, Ottawa Soil & Water Conservation District, Winous Point Conservancy, US Fish & Wildlife; \$331,669; 2011.
11. Grand R: Invasive Plant Prevention & Control, Grand River Watershed: The Nature Conservancy, Cleveland Museum of Natural History, Ohio DNR, Geauga Park District, Lake Metroparks, Western Reserve Land Conservancy; \$843,852; 2010.
12. Cuyahoga R: Invasive Plant Partnership in the Cuyahoga River Basin: Cleveland Metroparks; \$369,472; 2011.
13. Western Lake Erie Basin: Invasives Early Warning Systems Validation in Toledo Harbor: Wayne State Univ.; \$498,612; 2011.
14. Basin wide: A Comprehensive Regional Public Outreach Campaign on AIS: MN Sea Grant, Ohio Sea Grant; \$147,704; 2010.

### Nearshore Health and NPS – 15 projects

15. Basin wide: Phosphorus Reduction Using Variable Rate Technology: Ohio EPA, Conservation Action Project, agricultural retailers, producers; \$202,000; 2010.
16. Basin wide: Sanitary Surveys to Reduce Pollution in Lake Erie: Ohio Dept. of Health, local health departments; \$250,000; 2010.
17. Black-Rocky R: Holistic Watershed Approach at Huntington Beach: Cuyahoga County Board of Health; \$247,518; 2010.
18. Black R: North Central Ohio Sediment Reduction Project: Huron Soil & Water Cons. District, local producers; \$812,000; 2010.
19. Cuyahoga County Watersheds: Cuyahoga County Surface Water Improvement Fund Grants Program: Ohio EPA, local govts., watershed groups, state/federal agencies; \$1M; 2010.
20. Cuyahoga R: Rapid Bacteria Detection at Cleveland Beaches: Northeastern Ohio Universities College of Medicine; \$224,988; 2010.
21. Cuyahoga R: Comparison of Methodologies to Assess Bacterial Levels at Ohio Beaches: Northeast Ohio Regional Sewer District; \$87,959; 2010.
22. Cuyahoga R: Predictive Models for Urban Beaches: Northeast Ohio Regional Sewer District; \$248,060; 2010.

23. Cuyahoga R: Innovative Rapid Identification of Lake Erie Fecal Sources: The Ohio State University College of Public Health; \$249,512; 2010.
24. Maumee R: Toledo Harbor Sediment Management and Reuse: Ohio Lake Erie Commission, Ohio EPA, Ohio DNR, US Army Corps of Engineers, Toledo Lucas County Port Authority; \$250,000; 2010.
25. Maumee R: TMDL for Ottawa River (Lima) Watershed: Ohio EPA; \$250,000; 2010.
26. Maumee R: Maumee AOC, Wolf Creek: Passive Treatment Wetland: University of Toledo, Toledo Metropolitan Area Council of Govts; \$397,764; 2011.
27. Sandusky R: Lake Erie Nutrient Reduction Demonstration Watershed: Ohio EPA; \$621,417; 2011.
28. Basin wide: Improving Communication about Ohio Beach Water Quality: Ohio Dept. Health, county/local health departments; \$100,000; 2010.
29. Basin wide: The Lake Erie Nearshore and Offshore Nutrient Study: Buffalo State University, Kent State University, Case Western University, Heidelberg University, University of Toledo; \$615,813; 2010.

### Habitat & Wildlife Protection & Restoration – 12 projects

30. Ottawa R: Restoring Ottawa River Wetlands and Habitat: Partners for Clean Streams; \$1,365,684; 2010.
31. Maumee R: Wet Prairie Restoration in the Maumee Area of Concern: The Nature Conservancy; \$1,452,419; 2010.
32. Maumee R: Reforestation of Maumee Bay & Mary Jane Thurston State Parks: Ohio DNR; \$168,000; 2010.
33. Cuyahoga R: Cuyahoga River and Harbor AOC Habitat and Fish Characterization: Ohio DNR; \$500,000; 2010.
34. Cuyahoga R: Cuyahoga River Urban Riparian Habitat Restoration Phase II: Cuyahoga Co. Engineer's Office; \$1.5M; 2010.
35. Cuyahoga R: Restoration of Lascustrine Refuge in Cuyahoga Area of Concern: Cuyahoga Soil & Water Conservation District; \$1,396,050; 2010.
36. Cuyahoga R: West Creek Ecosystem Restoration Project: Cleveland Metroparks; \$294,693; 2011.
37. Lake Erie Islands: North Bass Island Habitat Restoration: Ohio DNR; \$125,000; 2010.
38. Ashtabula R: Ashtabula River Area of Concern Habitat Restoration: Ohio EPA; \$1.5M; 2010.
39. Basin wide: Blueprints for Conservation of Biodiversity in Lakes Erie & MI: The Nature Conservancy; \$600,000; 2010.
40. Basin wide: Ohio Lake Erie Phosphorus Task Force Phase II: Ohio EPA, Ohio DNR; \$122,429; 2011.
41. Basin wide: Coordinated Implementation Strategy for Lake Erie LaMP: Ohio Environmental Council; \$242,837; 2011.

### Evaluation, Monitoring & Partnerships – 4 projects

42. In Lake: Lake Erie Nearshore Monitoring Program: Ohio EPA, Ohio DNR, Heidelberg University, The Ohio State University; \$1,195,000; 2010.
43. Basin wide: Green Marina Outreach & Education Project: MI Sea Grant, Ohio Sea Grant; \$48,135; 2010.
44. Basin wide: Great Lakes Observing System Adaptive Management Needs Assessment (GLOS, Inc.): Ohio Sea Grant; \$180,000; 2010.
45. Basin wide: Lake Erie Synthesis and Coordination Team: Ohio Lake Erie Commission, Ohio Sea Grant; \$200,000; 2010.