

FY2002 ROADMAP to FEDERAL FUNDING OPPORTUNITIES

The Great Lakes Program brings together Federal, state, tribal, local, and non-governmental partners in an integrated, ecosystem approach to protect, maintain, and restore the chemical, biological, and physical integrity of the Great Lakes. The Boundary Waters Treaty of 1909 and the Great Lakes Water Quality Agreement (GLWQA) with Canada provide the basis for our international efforts to manage this shared resource. Additional responsibilities are defined in Section 118 of the Clean Water Act, Section 112 of the Clean Air Act Amendments, and the Great Lakes Critical Programs Act of 1990.

Various USEPA and other Federal programs are involved in this effort. GLNPO provides this Roadmap to assist organizations and programs as they target their Great Lakes activities during program planning processes, and as an aide to applicants seeking funding from USEPA's Great Lakes National Program Office. *The GLNPO FY2000 Request for Proposals/Funding Guidance notes that "Projects for which funding could reasonably be expected from other sources will receive less consideration [in the GLNPO funding process]."*

Information regarding Federal funding opportunities for water quality programs at the National level can be found in the June, 1996 GAO report Water Quality A Catalog of Related Federal Programs (GAO/RCED-96-173). The GAO information is also available via GAO's World Wide Web Home Page (<http://www.gao.gov/>). The Catalog of Federal Funding Sources for Watershed Protection (<http://www.epa.gov/OWOW/watershed/wacademy/fund.html>) highlights Federal grants and loans that may be used at the local level to support watershed projects, and contains references to many of the other good publications and websites on funding and technical assistance. Information about Federal opportunities can also be found at <http://www.nonprofit.gov/index.html> . Applicants considering Foundation funding may be interested in information at <http://fdncenter.org/> .

The following pages briefly summarize information about the Great Lakes missions and funding of USEPA, NOAA, Army Corps of Engineers, USFWS, NRCS, ATSDR, Coast Guard, Forest Service, Park Service, and USGS. Please contact those organizations directly for definitive statements about missions and funding opportunities.

U.S. ENVIRONMENTAL PROTECTION AGENCY

The **U.S. Environmental Protection Agency (USEPA)** is responsible for regulatory programs for air, water, pesticides, and toxic chemicals and for setting national direction in environmental policy. USEPA's role in the Great Lakes is to steer the U.S. Great Lakes effort and to provide timely technical support and assistance, coordinating not only with U.S. partners, but also with Canadian counterparts. Our Great Lakes efforts are thus organized in a nested structure.

- USEPA's Great Lakes National Program Office (GLNPO) steers and coordinates activities at a Basin-wide level.
- Regional Teams and Programs steer and coordinate activities focusing on four of the five Great Lakes, their AOCs, and other targeted geographic areas. In Region 5, the Regional Teams serve leadership and coordinating roles. They influence funding decisions of USEPA media programs, such

as Air, Water, and Waste, as well as National Initiatives, such as Brownfields. They can also help identify funding sources and priorities for LaMPs, RAPs, and other initiatives.

- Coordination and integration of State, Tribal, and Federal environmental programs is intended to be accomplished through Environmental Performance Partnership Agreements. Projects can also be developed outside of that structure.

Contacts for Programs and Teams who can best provide information about their Great Lakes priorities and funding opportunities are listed below. Many of the funding opportunities available through USEPA's Chicago office are identified at <http://www.epa.gov/region5/business/funding_sources2001.htm> Note that USEPA email uses the convention "lastname.firstname@epa.gov".

GLNPO:

- Contaminated Sediments: Marc Tuchman (312-353-1369)
- Pollution Prevention and Reduction: EMarie Phillips (312-886-6034)
- Habitat (Ecological) Protection: Karen Rodriguez (312-353-2690)
- Invasive Species: Marc Tuchman (312-353-1369)
- Indicator Development: Paul Bertram (312-353-0153)
- Strategic or Emerging Issues: Paul Horvatin (312-353-3612)
- <http://www.epa.gov/glnpo/fund/glf.html>.

USEPA REGION 2 (INCLUDING NY)

- Barbara Belasco (212-637-3848)

USEPA REGION 3 (INCLUDING PA)

- Larry Merrill (215-814-5452)

REGION 5 (INCLUDING IL, IN, MI, MN, OH, AND WI) "PRIORITY APPROACH" TEAMS

- Sediments: Bonnie Eleder (312-886-4885)
- Toxics Reduction: Dan Hopkins (312-886-5994)
- Ecosystem: John Perrecone (312-353-1149)
- Environmental Justice: Karla Owens (312-886-5993)

REGION 5 "PRIORITY GEOGRAPHIC/PLACE" TEAMS

- L. Erie: Daniel O'Riordan (312-886-7981)
- L. Michigan: Judy Beck (312-353-3849)
- L. Superior: Elizabeth LaPlante (312-353-2694)
- Northeast Ohio: Lyn Luttner (440-250-1711)
- Greater Chicago: Mardi Klevs (312-353-5490)
- NW Indiana: Sally Swanson (312-353-8512)
- SE Michigan: Laura Lodisio (312-886-7090)

REGION 5 WATER PROGRAM

Great Lakes RAP/LaMP funds

- Harlan Hirt (312-353-4378)

Nonpoint Source Pollution

- Thomas Davenport (312-886-0209)

Drinking Water

- William Spaulding (312-886-9262)

Water Pollution Control - State and Interstate Program Support.

- Headquarters - Carol Crow (202-260-0644)
- Regional - Gene Wojcik (312-886-0174)

AIR PROGRAM

- Region 5 - Carlton Nash (312-886-6030)
- Region 2 - Raymond Werner (212-637-3706)
- HQ - Randy McDonald (919-541-5402)

SUPERFUND PROGRAM

- Region 5 - James Hahnenberg (312-353-4213)
- www.epa.gov/R5Super/

Brownfields

- Region 5: Deborah Orr (312-886-7576)
- Region 3: Tom Stolle (215-814-3129)
- Region 2: Larry D'Andrea (212-637-4314)

RCRA WASTE MANAGEMENT PROGRAM

- Region 5: General §3011 - Richard Traub (312-353-8319); Haz. waste minimization/solid waste mgmt - Mary Setnicar (312-886-0976)
- Region 3: Paul Gotthold (215-814-3410)
- Region 2: Ray Basso (212-637-4109) / Michael Infurna (212-637-4177)

Pollution Prevention

- Region 5: Phil Kaplan 312-353-4669
- Region 3: Jeff Burke 215-814-2761
- Region 2: Deborah Freeman 212-637-3584

PESTICIDES/TOXIC SUBSTANCES.

- Region 5: Seth Diblee (312-356-5992) for Toxics; Margaret Jones (312-353-5790) for Ag. Clean Sweeps
- Region 3: Harry Daw (215-814-3244) for pesticides, lead, and asbestos; Aquanetta Dickens (215-814-2080) for PCBs and EPCRA
- Region 2: Adrian Enache (732-321-6771) for Pesticides; David Greenlaw for Toxics (908-321-6817)

ENVIRONMENTAL EDUCATION.

HQ: Diane Berger/Sheri Jojokian (202-260-8619)
Region 5: Megan Gavin (312-353-5282)
Region 3: Nan Ides (215-814-5546)
Region 2: Teresa Ippolito (212-637-3671)

GREAT LAKES RESEARCH.

Inhouse research: Steven Bradbury (218-529-5025)
Science to Achieve Results (STAR) <http://es.epa.gov/ncerqa/>

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

The **National Oceanic and Atmospheric Administration** has environmental stewardship, assessment, and prediction responsibilities in the Great Lakes. The **Office of Oceanic and Atmospheric Research, Great Lakes Environmental Research Laboratory** conducts physical, chemical, and biotic research and environmental modeling, providing scientific expertise and services to manage and protect ecosystems. The laboratory's investigations help to improve the understanding and prediction of coastal and estuarine processes, including the interdependencies with the atmosphere and sediments. Through the **National Ocean Service's Office of Response and Restoration (OR&R)**, NOAA acts for the Secretary of Commerce on behalf of the public as a natural resource trustee agency to protect and restore aquatic natural resources and associated human-use services such as safe navigation and transportation via maintained navigation channels, recreation, commercial fishing, and flood control provided by wetlands. **OR&R** actively promotes protection of aquatic species and habitats by working with Federal, State, and Tribal agencies, as well as with industry, to assess and cleanup contaminated sediments in the Great Lakes and receiving waters. **OR&R** strives to resolve liability for natural resource injury by restoring: habitat, affected species, and associated services provided by those natural resources. **OR&R** provides information on shoreline classification, occurrence of biological resources, and human-use resources to assist in remedial and restoration planning at contaminated sediment sites and to support spill response activities. **OR&R** also conducts prevention and preparedness activities to prevent further degradation of Great Lakes sediments. The **Office of Ocean and Coastal Resource Management**, in partnership with state Coastal Zone Management programs, works with local communities and State agencies to preserve, protect, develop, restore, and enhance coastal zone resources. **OCRM** provides research, education, and protection of coastal and estuarine areas through the **National Estuarine Research Reserve and National Marine Sanctuary** programs and fosters economic redevelopment through Brownfields Showcase Grants. The **National Centers for Coastal Ocean Science (NCCOS)** conducts research, monitoring, and assessments of the coastal environment. **NCCOS** predicts impacts of pollution and coastal development on sensitive habitats and resources. **NCCOS** maintains contaminant-monitoring sites in Green Bay, and Lakes Michigan, Huron, St. Clair, Erie and Ontario to determine temporal contaminant trends. The **Office of Coast Survey** provides surveying, nautical charts, and other navigation services for safe shipping and boating. **National Sea Grant Program**, a partnership between universities and NOAA, encourages stewardship of Great Lakes coastal natural resources by providing funding to area universities for research of biotic, physical, and chemical systems, and for education, outreach and technology transfer. Sea Grant contacts and information is available at: <http://seagrant.wisc.edu/GreatLakes/GLnetwork/OVERVIEW.html> **National Environmental Satellite Data and Information Service, Cooperative Institute for Meteorological Satellite Studies (CIMSS)** develops and implements techniques and products to improve severe storm forecasting. The **National Weather Service** provides the weather and flood warnings, forecasts, and

meteorological and hydrologic data used by research, environmental management, transportation, and community interests in the Great Lakes.

\$30 million of NOAA funding became available beginning in 2001 through Great Lakes State programs for cleanup of contaminated sites, stormwater controls, wetland restoration, acquisition of greenways and buffers and other projects designed to control polluted runoff and protect and restore coastal resources.(<http://www.ocrm.nos.noaa.gov/pdf/GLguidance0601.pdf>) The following page summarizes how each of the Great Lakes States is awarding their allocations of this funding. Applications can still be accepted in several states. Contacts listed below can generally also provide information about regular coastal management program also being run in each Great Lakes State other than Illinois.

NOAA Great Lakes Coastal Restoration Funding

Program	Great Lakes Coastal Restoration Grants - \$30M				
	MI - DEQ	MN - DNR	OH - DNR	NY - Dept of State	WI Dept of Admin.
Eligible Partners	Cities, villages, townships, counties, tribal gov, conservation districts	local gov., state gov.		Cities, towns, villages, and counties	
Total program \$	\$7,000,000	\$1,938,000	\$4,489,000 / \$2.25 M to local governments	\$4,727,000	
Non-fed Cost share	25%	25%	20%		
Key dates	Closes: 01/15/02	Selections 12/14/01	Selections: 12/31/01	Closes: 01/31/02	Closed: 11/8/01
Priorities/Eligible Projects	<ul style="list-style-type: none"> • Restore/ protect GL shore areas, wetlands, sand dunes, and lower tributary reaches. • Acquire greenways and buffers in fee simple, or in conservation easement. • Create or restore greenways or buffers along waterways. • Address storm water runoff and other water quality issues with noninfrastructure methods. • Clean-up coastal contaminated sites. 	<ul style="list-style-type: none"> • Contaminated site cleanup • Stormwater controls • Wetland restoration • Acquisition of greenways and buffers • Other projects designed to control polluted runoff and protect and restore coastal resources 	<ol style="list-style-type: none"> 1) Protection of Critical Coastal Areas <ul style="list-style-type: none"> • Acquisition of coastal wildlife habitat, endangered species habitat, natural areas, open space, greenways, buffers, waterfront access • Restoration of coastal habitat 2) Water Quality Protection and Restoration <ul style="list-style-type: none"> • Restoration of natural stream functions • Restoration of natural floodplain functions • Noxious, invasive plant eradication • Sediment remediation • Stormwater management plans and implementation • Best management practices for marinas and recreational boating • Nonpoint pollution control measures for urban coastal communities • Pervious surface demonstration projects • Bio-retention demonstration projects • On-site home sewage disposal system inspection, maintenance, and upgrade programs 3) Sustainable Development Initiatives <ul style="list-style-type: none"> • Development of model land use ordinances (for example, flood plain protection and riparian setbacks) • Comprehensive watershed management plans and implementation • Restoration of beach habitats and natural beach functions • Sustainable redevelopment in coastal communities/waterfront areas • Contaminated site clean-up 	<ul style="list-style-type: none"> • Abatement and control of stormwater runoff from existing development using acceptable management practices. • Restoration, protection and enhancement of riparian habitats, including instream and freshwater wetland habitats. • Restoration, protection and enhancement of stream corridors and wetland buffer zones for the purposes of: 1) protecting and improving water quality; 2) protecting and enhancing fish and wildlife habitats; 3) eliminating or minimizing streambank erosion and reducing sediment loads to streams and lakes; and 4) restoring the hydrological and biological functions of stream channels and corridors to protect and enhance water quality and fish and wildlife habitats. • Protection and restoration of watershed functions for the purpose of maintaining base flow and water quality conditions necessary to sustain fish and wildlife within streams and associated wetlands. 	Projects with a substantial impact on coastal resources
URL	www.deq.state.mi.us/lwm/grt_lakes/czm/czm.html	www.dnr.state.mn.us/waters/czm/grantprg.html#APP	www.dnr.state.oh.us/coastal/	www.dos.state.ny.us/cstl/cstlwww.html www.dec.state.ny.us/website/bondact/bamenu.html	www.doa.state.wi.us/dhir/boir/coastal/
Contact person	Catherine Cunningham	Tricia Ryan	Yetty M. Alley	George Stafford	Dea Larsen-Converse

Phone Email	517-335-3456 cunningc@state.mi.us	218-834-6625 tricia.ryan@dnr.s tate.mn.us	419-626-7986 yetty.alley@dnr.state.oh.us	518- 474-6000 coastal@dos.state.ny.us	Mike Friis, 608-267-7982 Alberto Vargas 608-261-6349 Travis Olson 608-266-3687
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Funding allotments have also been made for the NOAA Great Lakes Coastal Restoration program in Illinois, Indiana, and Pennsylvania:

- Illinois DNR: \$1,750,000. Illinois is not yet in the program. Contact: Dan Injerd.
- Indiana DNR \$1,750,000. Program Announcement: January, 2002. Contact: Laurie Rounds (317-233-0132 / coastal@dnr.state.in.us)

www.in.gov/dnr/lakemich/

- Pennsylvania DEP \$1,846,000. Contact: Jim Tabor (717-772-5626) <http://www.dep.state.pa.us/dep/deputate/watermgmt/WC/subjects/czmp.htm>

U.S. ARMY CORPS OF ENGINEERS

The Army Corps of Engineers (Corps) has a number of missions within the Great Lakes basin, including navigation, flood control, erosion protection, and environmental protection and restoration. The Great Lakes & Ohio River Division is responsible for most Corps activities within the watersheds of the Great Lakes and the Ohio River. Under this Division are three district offices responsible for implementing Corps missions in the Great Lakes basin. These districts are located in Buffalo, Detroit, and Chicago. For more information about the Corps, its organization and missions, visit the Corps home page (<http://www.lrd.usace.army.mil/gl/gl.htm>).

Corps of Engineers Support Program	Planning Assistance to States (Section 22)	Remedial Action Plans (Section 401)	Great Lakes Fishery/Ecosystem Restoration (Section 506)	Beneficial Use of Dredged Material (Section 204)	Aquatic Ecosystem Restoration (Section 206)
Purpose	Water resource, watershed and ecosystem planning assistance	General assistance for RAP development and implementation	Design and construct projects to restore Great Lakes fisheries and beneficial uses	Protect, restore and enhance aquatic habitat using dredged material from Federal navigation projects	Plan, design and construct aquatic ecosystem restoration and protection projects
Eligible Partners	States and tribes	States, local governments and non-profit groups	States, local governments and non-profit groups	States, local governments and non-profit groups	States, local governments and non-profit groups
Funding limit (Federal share)	\$500,000 per partner per year				\$5,000,000 per project
Total amount of program (FY02)	\$6,900,000	\$2,000,000	\$200,000 to develop implementation plan	\$1,500,000	\$20,000,000
Non-Federal cost-share (%)	50%, but may include in-kind services	35%, but may include in-kind services	35% (with credit for lands, easements, rights-of-way and relocations)	25% (with credit for lands, easements, rights-of-way and relocations)	35% (with credit for lands, easements, rights-of-way and relocations)

Key dates					
Priorities		Support provided includes planning and design of sediment cleanup, habitat restoration, TMDL development	FY02 funds will be used to develop implementation plan in cooperation with GL Fishery Commission	Project under study to restore coastal island habitat in Green Bay.	Restoration projects under construction on at Chicago River and Koontz Lake, Indiana. Many more in planning or design.
Contact person	Martin Berndl	Jan Miller	Gene Fleming	Christopher Glanz	Gene Fleming
Telephone number Email	312-353-6322 martin.a.berndl @usace.army.mil	312-353-6354 jan.a.miller @usace.army.mil	312-353-6320 eugene.j.fleming @usace.army.mil	312-886-6050 christopher.k.glanz @usace.army.mil	312-353-6320 eugene.j.fleming @usace.army.mil

U.S. ARMY CORPS OF ENGINEERS - Continued

Corps of Engineers Support Program	Restoration of Environmental Quality (Section 1135)	Special Studies (various authorities)	Environmental Dredging (Section 312)	Environmental Infrastructure (various authorities)	Great Lakes Tributary Models (Section 516e)
Purpose	Modify Corps structures or their operations to restore environmental quality. Restoration may be away from Corps project.	Limited studies of one or more water resources needs of river basins or regions.	Provide for the removal of contaminated bottom sediments in waterways outside Federal navigation channels.	Support development or restoration of environmental infrastructure, including water supply, wastewater, combined sewer overflows.	Develop watershed models for Great Lakes tributaries to help state and local efforts to reduce the loadings of sediments and pollutants.
Eligible Partners	States, local governments and non-profit groups	States and local governments	States, local governments and non-profit groups	States and local governments	States, local governments, soil and water conservation districts, and non-profit groups
Funding limit (Federal share)	\$5,000,000 per project	Variable		Variable	Variable
Total amount of program (FY02)	\$20,400,000	\$1,700,000 for 9 studies	\$1,283,000	\$19,150,000	\$1,000,000
Non-Federal cost-share (%)	25% (with credit for lands, easements, rights-of-way and relocations)	Variable (many have no cost sharing requirement)	35% (with credit for lands, easements, rights-of-way and relocations)	25-30%	none required
Key dates					
Priorities	Five sea lamprey barriers will be constructed.	Regional studies for Western Lake Erie, Detroit River, Rouge River, and Lake St. Clair. Great Lakes Basinwide studies on recreational boating, biohydrologic information and strategic planning.	Sediment cleanup for Ashtabula River in design. Several other sites entering feasibility study.	Over 15 projects for design or construction in Great Lakes states.	Models being developed for Buffalo, Menomonee, Maumee, Clinton, and Grand Calumet Rivers and Mill/Cascade Creeks.
Contact person	Gene Fleming	Christopher Glanz	Gene Fleming	Jan Miller	Jan Miller
Telephone number	312-353-6320	312-886-6050	312-353-6320	312-353-6354	312-353-6354
Email	eugene.j.fleming@usace.army.mil	christopher.k.glanz@usace.army.mil	eugene.j.fleming@usace.army.mil	jan.a.miller@usace.army.mil	jan.a.miller@usace.army.mil

U.S. DEPARTMENT OF AGRICULTURE

Three agencies of the **U.S. Department of Agriculture (USDA)** assist landowners with pollution prevention and control of non-point discharges from agricultural operations: the **Natural Resources Conservation Service (NRCS)**, the **Cooperative State Research, Education, and Extension Service (CREES)**, and the **Farm Services Agency (FSA)**. NRCS provides national leadership in the conservation and wise use of soil, water, plant, animal, and related resources; it works directly with agricultural producers on pollution prevention and control of non-point source discharges from agricultural operations. It also has an urban conservation program that provides technical assistance on non-point sources, such as: construction site runoff, fertilizer and pesticide inputs from lawns and other grassed areas, septic systems, flood control basins, and sediment storage ponds.

Additional program and contact information is available at: <http://www.epa.gov/glnpo/fund/Tables/nrcs.html>

U.S. FISH AND WILDLIFE SERVICE

The **U.S. Fish and Wildlife Service (USFWS)** serves as trustee to protect the interests of endangered species, migratory birds, and interjurisdictional fishery resources, such as the lake trout and lake sturgeon, and supports the States and other Federal agencies with population and habitat inventories. USFWS also manages 140,000 acres of Federal land holdings in the form of Fish and Wildlife Refuges in this Region and performs resource assessment and research. They are also responsible for Natural Resource Damage Assessments (NRDAs) to recover damages for injuries caused to natural resources (e.g., endangered species, migratory birds, and trust fisheries) by the release of hazardous substances. Besides providing continued biological monitoring, inventory, and management activities in the Great Lakes watershed, FWS serves as the principle contractor to the Great Lakes Fishery Commission for its sea lamprey control program. Additional information is available from:

www.nwi.fws.gov/

Program	Lake Erie Wetland Mapping Pilot	Lake County Cross-Correlation Analysis of Wetland Change	Coastal Wetlands Indicators	Coastal Wetland Conservation Grants	Endangered and Threatened Species	North American Wetlands Conservation Act
Purpose	Update and distribute six coastal wetland maps along L. Erie in NY and OH.	Identify wetland changes using Landsat Thematic Mapper	Assess SOLEC coastal wetlands indicators.	Acquire, protect, or restore coastal wetlands	Conserve endangered and threatened species.	Support wetland habitat projects
Eligible Partners				Coastal states (tribes and NGOs can partner w/States)	States and Tribes	Individuals, agencies, and groups
Funding limit (Federal share)				Up to \$1M per project		Small grants \$50K Large grants \$1M
Non-federal Cost share %				25%		50%
Key dates						Small: 2/1 Large: 1 st Friday in April and August
Priorities	<ul style="list-style-type: none"> - Update maps from 1980's. - Identify areas of wetland change. - Make available hard and digital copies of the data. 	<ul style="list-style-type: none"> - Identify areas that are experiencing heavy loss or change of wetlands. - Prioritize maps in need of updating. 	<ul style="list-style-type: none"> - Wetland trend studies - Updated hard copy and digital maps - Identification of potential restoration sites - Development of wetland spatial database - Characterize coastal wetland buffer 			<ul style="list-style-type: none"> - Support N.Am. Waterfowl Mgmt. Plan objectives - Support wetland habitat diversity - Maintain and improve numbers and distributions of migratory birds
Contact person	Kim Santos	Kim Santos	Kim Santos	Dave Pederson	T.J.Miller	Barbara Pardo

Phone Email	813-570-5428 kim@nwi.fws.gov	813-570-5428 kim@nwi.fws.gov	813-570-5428 kim@nwi.fws.gov	612-713- 5143	612-713- 5334 miller_tj@f ws.mail.gov	612-713-5480 barbara pardo@mail.fws.gov
Last Update	12/99	12/99	12/99	12/99	12/99	12/99

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

The **Agency for Toxic Substances and Disease Registry (ATSDR)** has funded epidemiologic research in the Great Lakes Basin since 1992. Over the past three years, the ATSDR Great Lakes Human Health Effects Research Program (GLHHERP) has made significant progress in reporting and evaluating findings that address public health issues from exposure to contaminants in the Basin.

U.S. COAST GUARD

The **U.S. Coast Guard (USCG)** regulates pollution from ships, as well as the ship borne introduction of exotic species. Under the Oil Pollution Act of 1990, the Coast Guard has the lead responsibility for responding to oil spills in the Great Lakes. The USCG also works with USEPA to establish and implement area and regional Joint Contingency Plans for spills of oil and hazardous substances in the Great Lakes.

U.S. FOREST SERVICE and NATIONAL PARK SERVICE

The **U.S. Forest Service (USFS)** and the **National Park Service (NPS)** both play important roles as stewards of vast, and often unique, Federal land holdings. State and private forestry programs, a cooperative effort of the USFS and State forestry agencies, assist public and private landowners in managing and protecting forest resources.

U.S. GEOLOGICAL SURVEY

The **U.S. Geological Survey (USGS)** conducts various core research and assessment programs within the Great Lakes Region among its four major discipline areas of biology, geology, mapping, and hydrology. The major activities within the geologic discipline include detailed geologic mapping of glacial materials in Illinois, Indiana, Michigan, and Ohio; studies of earth-surface processes in areas prone to shoreline erosion, landslides, and earthquakes; research into the potential effects of changing climate on the earth and its resources; and aquatic-habitat mapping in coastal areas. The major activities within the water discipline include water-quality assessments of nonpoint sources of natural and human-derived contaminants in the watersheds of Lake Michigan, Lake Erie, Lake St. Clair, and the St. Clair and Detroit Rivers; water-quality research on emerging contaminants such as pathogens, pharmaceuticals, pesticides, and mercury; a streamflow-gaging program for appraisal and assessment of water-resource quality and availability, for flood warning systems, and for drought management plans; and a ground water levels network for water use, environmental assessment, and ground-water management. The major activities within the biology discipline include fisheries research and assessment in the Lakes, biodiversity studies in terrestrial, aquatic and coastal habitats, and research into and assessment of invasive species and related control practices. Major activities within the mapping discipline include production of a vast array of mapping products describing the land surface, such as elevation maps, hydrologic maps, maps of land use and land cover, studies of land-surface change in urban and agricultural areas, and new technologies based on satellites and remote sensing.



Natural Resources Conservation Service Funding Opportunities

Natural Resource Programs of the U.S. Department of Agriculture (USDA) offer landowners financial, technical, and educational assistance to implement conservation practices on privately owned land. Using this help, farmers and ranchers apply practices that reduce soil erosion, improve water quality, and enhance forest land, wetlands, grazing lands, and wildlife habitat. Incentives offered by USDA promote sustainable agricultural practices, which protect and conserve valuable farmland for future generations. USDA assistance also helps individuals and communities restore natural resources after floods, fires, or other natural disasters. Certain programs give the Great Lakes Basin a high priority when ranking requests for funding. This is noted in the "Great Lakes Connection" row. Contact information for all grant programs is as follows:

Midwest regional office: (608) 224-3000
 Illinois state office: (217)398-5267
 Indiana state office (317) 290-3200
 Michigan state office: (517) 337-6701
 Minnesota state office: (651) 602-7856
 Ohio state office: (614) 469-6962
 Wisconsin State Office: (608) 276-8732
 Pennsylvania State Office (717) 237-2202
 New York State Office (315) 447-6504

([PDF](#), 13.47 KB)

Grant Program	Purpose	Great Lakes Connection	Eligible Applicants	Award Amount	Total Awarded in Fiscal Year	Matching Share	Key Dates: -Application Due -Selection	Priorities
Emergency Watershed Protection Program (EWP)	To provide technical and financial assistance to preserve life and property threatened by excessive erosion and flooding	Available for Great Lakes watershed areas that have been damaged by a natural disaster	Owners, managers, and users of public, private, or tribal lands	Varies	N/A	Varies	Ongoing	To protect lives and property threatened by natural disasters NRCS

Resource Conservation and Development (RC&D)	To accelerate the conservation, development and utilization of natural resources, improve the general level of economic activity, and to enhance the environment and standard of living in authorized RC&D areas	Available to communities in the Great Lakes basin	State, tribal and local units of government and local nonprofit organizations	Varies	N/A	Varies	Set by state	-Improvement of quality of life achieved through natural resources conservation and community development -Prudent use natural resources NRCS
Environmental Quality Incentives Program (EQIP)	To provide technical, educational, and financial assistance to eligible farmers and ranchers to address soil, water, and related natural resource concerns on their lands	Available to farmers in the Great Lakes basin	Persons who are engaged in livestock or agricultural production	Max. \$10,000 per person per year	N/A	Varies	Ongoing	-Compliance with Federal, State, and tribal environmental laws -Environmental enhancement INRCS
Farmland Protection Program (FPP)	To provide funds to help purchase development rights to keep productive farmland in agricultural uses	Available to farmlands in the Great Lakes basin	State, tribal, or local governments	Up to 50 percent of the fair market easement value	N/A	Varies	Set by state	Acquire conservation easements or other interests from landowners NRCS
Forestry Incentive Program (FIP)	To support good forest management practices on privately owned, non-industrial forest lands nationwide	Available to Great Lakes basin forest lands	Private landowners	Varies	N/A	Varies	Set by state	-Tree planting -Improving a stand of forest trees -Site preparation for natural regeneration NRCS

Wetland Reserve Program (WRP)	To provide technical and financial support to help landowners with their wetland restoration efforts	Available to landowners in the Great Lakes basin	Private landowners	Varies	N/A	Varies	Set by state	Establish long-term conservation and wildlife practices and protection NRCS
Wildlife Habitat Incentive Program (WHIP)	To develop and improve wildlife habitat	Available to landowners in the Great Lakes basin	Eligible participants include those who own or have control of the land under consideration	Varies	N/A	Varies	Set by state	- wildlife habitat areas -targeted species and their habitats -specific practices NRCS
Grazing Lands Conservation Initiative (GLCI)	To maintain and improve the management, productivity, and health of the Nation's privately owned grazing land	Available to owners of grazing land in the Great Lakes basin	Owners and managers of private grazing land	Varies	N/A	Varies	Set by state	-assure the sustainability of all private grazing lands -enhance these lands for future use -inform the public of the benefits of making this national commitment and investment
Watershed Protection and Flood Prevention Act	To solve natural resource and related economic problems on a watershed basis	Great Lakes priority for water quality programs	Local organizations, state, and other public agencies	Varies	N/A	Varies	Set by state	-watershed protection -flood prevention -water quality improvements -soil erosion reduction - irrigation water management -sedimentation control -fish and wildlife habitat enhancement NRCS

Conservation Technical Assistance (CTA)	To assist land_users, communities, units of state and local government, and other Federal agencies in planning and implementing conservation systems	Great Lakes priority for water quality programs	Land_users, communities, units of state and local government, and other Federal agencies	Varies	N/A	Varies	Set by state	-Compliance with the highly erodible land (HEL) and wetland (Swampbuster) provisions of the 1985 Food Security Act -Meet goals for resource stewardship and assist individuals to comply with State and local requirements -Technological development -Information management NRCS
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This Page created January 31, 2000
 Revised: February 07, 2000

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Region 5

[Region 5 Resource Management Division](#)

Serves as the Region's provider of a wide variety of administrative and technical services including: [Contracts & Grants](#), [Laboratory](#), Human Resources, Facilities, Geographic Information Systems and Information Services.

[Region 5 Funding Sources](#)

Information on grant funding available in Region 5. (This information is *not* a substitute for each program's Federal Register or Solicitation Notice and regional guidance. For other funding information, visit www.epa.gov/ogd) Updated March 2001.

[Region 5 Library](#)

The library collection includes environmental education, environmental justice, and company environmental reports. You can access the Federal Register, the Code of Federal Regulations, EPA publications, catalogs, and test methods. Links to state environmental agencies are also provided.

[Office of Information Services](#)

From spatial data libraries to environmental justice maps, this page will link you up with numerous EPA databases, including Envirofacts. The place to go in Region 5 for [Geographic Information Systems \(GIS\)](#).

[Software for Environmental Awareness](#)

This website offers **free** interactive software programs covering a variety of environmental topics. These programs make complex environmental subjects clear and understandable. Some titles are available [in Spanish](#).

[Great Lakes Funding Program](#)

Funds are made available annually for grants and cooperative agreements. The Great Lakes National Program Office (GLNPO) provides a complete set of information about USEPA Great Lakes Funding Process, from preproposal submission and project requirements to descriptions of funded projects.

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