

## **Michigan's Strategic Framework for the 2010 Great Lakes Restoration Initiative**

During the past months, at the request of the Lt. Governor John Cherry, the Office of the Great Lakes has been working to coordinate state activities under the Great Lakes Restoration Initiative (GLRI). We have coordinated state agency partner discussions and have joined other agencies staff in meetings with many stakeholder groups to further develop our vision for this funding that is outcome based and targeted toward the most significant stressors that are affecting the health of the Great Lakes. This GLRI funding represents an opportunity to build from existing partnerships and develop new and broad reaching collaborations.

We are providing you with the Michigan's Strategic Framework for the 2010 GLRI (Framework). The Framework was developed collectively through interagency workgroups with representation from the departments of Environmental Quality, Natural Resources, Agriculture, and Community Health. The Framework attempts to provide an overall vision for the State of Michigan for the 2010 GLRI and is based on the most current information available. It is anticipated that the Framework will be updated as new information and more specific details become available.

The general guiding principles used in developing the Framework are:

- Delisting Michigan's Areas of Concern (AOC) and AOC-related Beneficial Use Impairments.
- Enhancing existing restoration efforts in AOCs and their watersheds e.g. Saginaw River/Bay, Huron-Erie Corridor, Kalamazoo River/Southwest Michigan.
- Achieving short term success and measureable improvements in Michigan watersheds.
- Achieving long-term improvements to the health of the Great Lakes.
- Developing state and/or local capacity to provide technical assistance for project applications.
- Demonstrating measureable outputs/outcomes that address actions recommended in Michigan's restoration and protection plans specifically, the MI-Great Lakes Plan.
- Building on partnerships and collaborations.
- Demonstrating sustainability.

The Framework is based on the current version of the GLRI Funding Guide dated December 15, 2009. Each listing includes the lead federal agency, the program name, a description of the funding program, a Michigan's strategic focus statement, a lead state agency, and a contact name and phone number. The Framework is structured by the five focus areas identified in the GLRI. This document is

intended to provide a quick reference for interested parties on the state of Michigan's planned and anticipated activities related to the GLRI as well as a contact if additional information is desired.

The strategic focus statements describe what the state agencies would like to accomplish for each funding program, the types of projects the state will be applying for and how the state of Michigan would like work with partners to develop priorities and project application ideas.

For more information or other questions regarding the Framework, please contact Ms. Emily Finnell at the Office of the Great Lakes at 517-335-4056 or [finnelle@michigan.gov](mailto:finnelle@michigan.gov).

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Toxic Substances and Areas of Concern*

Agency	Program Name	Assistance Opportunity Summaries	Michigan's Strategic Focus Statement	Michigan's Lead State Agency	Lead Agency Contact	Is the State Department an Applicant?
USDAFS	Toxic Substances in Brownfield Sites	<p>Under the Cooperative Forestry Assistance Act, the USDA Forest Service expects to provide approximately \$2 million through competitive grants to administer a competitive grant program to re-vegetate Brownfield sites in the Great Lakes drainage. Projects would address toxic substances in Brownfield sites in the Great Lakes industrial cities through the restoration of green infrastructure by using trees and native vegetation to take up and trap certain toxic substances and reduce storm water run-off. Project sizes are set at a minimum project size (federal share) of \$25,000 and not to exceed \$400,000. Eligible applicants (including States, Tribes, Municipalities, Universities and non-profits) may apply for assistance by submitting an application package.</p> <p>Contact: Steven Davis, 610-557-4151, <a href="mailto:stevendavis@fs.fed.us">stevendavis@fs.fed.us</a>            Anne Archie, Field Representative, 603-868-7694, <a href="mailto:aarchie@fs.fed.us">aarchie@fs.fed.us</a>            Bob Lueckel, Field Representative, 304-285-1540, <a href="mailto:rlueckel@fs.fed.us">rlueckel@fs.fed.us</a>            Michael Prouty, Field Representative, 651-649-5276, <a href="mailto:mprouty@fs.fed.us">mprouty@fs.fed.us</a>            Website: <a href="http://www.na.fs.fed.us/fap/fap.shtm">http://www.na.fs.fed.us/fap/fap.shtm</a></p> <p>U.S. D. A. Forest Service Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$2 million available</li> <li>• Grant award range: up to \$400,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• April 12, 2010 - Proposals must be received by the Forest Service by 4:30 pm Eastern Standard Time</li> <li>• April 13, 2010 – Beginning of preliminary selections for award.</li> <li>• (See Section IV for further submission information)</li> <li>• May 10, 2010 – Announcement of awards.</li> <li>• June 11, 2010 – Grant agreements developed with successful applicants (Dates are expected dates only and may change)</li> </ul>	<p>Collaborate with partners to identify, propose and implement projects that mitigate toxic substances and stormwater runoff through revegetation of brownfields on public property within Michigan's EPA designated Areas of Concern (AOC).</p>	DNR - Forest Mineral and Fire Management	Kevin Sayers 517-241-4632	TBD
USEPA	Coordinated Implementation of Remedial Action Plan Programs and Processes	<p>EPA expects to provide approximately \$8.5 million for approximately 10 to 20 projects ranging in amounts up to \$2 million to advance Remedial Action Plan (RAP) implementation and development, leading to the delisting of Beneficial Use Impairments and of the Areas of Concern. See also "Habitat Restoration in Areas of Concern" in the Habitat portion of this RFP for funding devoted to delisting habitat BUIs. Contact: John Perrecone, 312-353-1149, <a href="mailto:perrecone.john@epa.gov">perrecone.john@epa.gov</a> Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:• \$8.5 million available</p> <ul style="list-style-type: none"> <li>• Grant award range: up to \$2 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>A. (For the competitive portion) Delist Michigan's AOCs by working with federal agencies and local partners to assess and restore impaired beneficial uses under the Great Lakes Water Quality Agreement.</p> <p>B. (For the non-competitive portion) Provide State staffing to work with federal agencies and local partners to implement the Area of Concern program and provide pass-through funding to support local Public Advisory Councils.</p>	DEQ-Water Bureau	Rick Hobrla 517-335-4173	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Toxic Substances and Areas of Concern*

USEPA	Enhanced State/Tribe Fish Consumption Advisory Support	EPA expects to provide approximately \$4 million for approximately five to ten projects ranging in amounts up to \$1.5 million in order to improve the public's understanding of the risks and benefits of consuming fish. The projects would improve and enhance current State fish advisory programs and could include monitoring, evaluation of risks and benefits of consuming fish, and communication to the public. Contact: Edwin (Ted) Smith, 312-353-6571, smith.edwin@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals: <ul style="list-style-type: none"> <li>• \$4 million available</li> <li>• Grant award range: up to \$1.5 million</li> </ul> Application and Review Timeline: <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Develop state capacity and work with others to improve public health by reducing consumption of contaminated fish (Fish Consumption Advisories are an Environmental Public Health Program.) Conduct fish tissue collection and analysis, evaluate chemical tissue concentrations, and create new format for communication of results and statewide advisories.	MDCH	Linda Dykema 517-335-8566	Yes
USEPA	Great Lakes Legacy Act	Under the Great Lakes Legacy Act program, EPA expects to provide up to approximately \$75 million through project agreements and contracts to clean up or assess contaminated sediments in Great Lakes Areas of Concern, including activities to restore aquatic habitat that are carried out in conjunction with a project for the remediation of contaminated sediment. A match of between 35% and 50% is generally required. Eligible applicants (including States, Tribes, Municipalities, non-governmental organizations, for-profit entities, non-profit entities, and others) may apply for assistance by submitting an application package. Applications are currently being accepted. Additional information is available from Marc Tuchman (312-353-1369/ tuchman.marc@epa.gov) and from <a href="http://www.epa.gov/greatlakes/sediment/legacy/index.html">http://www.epa.gov/greatlakes/sediment/legacy/index.html</a>	Work with other entities to restore and remove Beneficial Use Impairments specific to contaminated sediments to delist Michigan's AOCs.	DEQ-Water Bureau	Mike Alexander 517-335-4189	No
USEPA	Health Care Provider organization Outreach	EPA expects to provide approximately \$2 million for approximately one to five projects ranging in amounts up to \$2 million in order to improve the public's understanding of the risks and benefits of consuming fish. The projects would challenge health care provider organizations to develop and implement a plan to integrate fish consumption risks and benefits into many aspects of their organization so that organization members and their patients are made aware of the fish consumption risks and benefits and are able to make good decisions. Contact: Edwin (Ted) Smith, 312-353-6571, smith.edwin@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals: <ul style="list-style-type: none"> <li>• \$2 million available</li> <li>• Grant award range: up to \$2 million</li> </ul> Application and Review Timeline: <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Work with other entities to improve public health by reducing consumption of contaminated fish (Fish Consumption Advisories are an Environmental Public Health Program.) This project will develop and implement online fish consumption advisory training to health care professionals and written materials for patients. In addition, the state will partner with local health departments to deliver this information to professionals and patients.	Michigan Dept of Community Health	Linda Dykema 517-335-8566	

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Toxic Substances and Areas of Concern*

USEPA	Pollution Prevention and Toxics Reduction in the Great Lakes	<p>EPA expects to provide approximately \$6.5 million for approximately 20 to 35 projects ranging in amounts up to \$1 million for pollution prevention and toxics reduction activities. Projects would allow for fewer toxic contaminants to enter the Great Lakes ecosystem, provide sustainable ongoing collection programs throughout the Great Lakes basin, and improved knowledge and practices of Great Lakes citizens regarding environmentally safe recycling of various waste categories. Contact: Edwin (Ted) Smith, 312-353-6571, smith.edwin@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$6.5 million available</li> <li>• Grant award range: up to \$1 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Develop state capacity and work with other entities to implement pollution prevention and toxic reduction activities in Michigan. Programs will demonstrate sustainability, enhance existing restoration efforts in AOCs, achieve measurable short term success (within 2-3 years), and demonstrate measurable impacts to the health of the Great Lakes. Specific projects include Green chemistry technical assistance, implementation of Michigan Mercury, Saginaw Bay sediment reuse, agricultural pesticide/ hazardous waste/pharmaceutical waste collection, and Great Lakes access stormwater collection project.</p>	DEQ-Office of Pollution Prevention and Compliance Assistance	Rich Alexander 989-705-3433	Yes
USEPA	Toxicant TMDL Development in the Great Lakes Basin	<p>EPA expects to provide up to approximately \$1 million for 8 to 12 projects ranging in amounts up to \$200,000 to directly assist and accelerate the development of TMDLs for toxicants in impaired waters [CWA 303(d) listed waterbodies] of the Great Lakes Basin. Proposals should address toxicants including, but not limited to, PCBs, mercury, dioxin, and pesticides. The end product should include a completed watershed pollutant reduction strategy and/or a TMDL study addressing one or more toxicants. Contact: Dean Maraldo, 312-353-2098, maraldo.dean@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$1 million available</li> <li>• Grant award range: up to \$200,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Develop state capacity to develop Total Maximum Daily Loads (TMDLs) for water bodies on the 303 list for toxics. Projects include implementation of load allocations of approved TMDLs, Saginaw Bay, Kalamazoo River TMDL data collection, and development of Michigan statewide Mercury TMDL.</p>	DEQ-Water Bureau	Brenda Sayles 517-335-4189	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Toxic Substances and Areas of Concern*

USEPA	Great Lakes Fish Monitoring and Surveillance Program (GLFMSP)	EPA expects to provide up to approximately \$6.5 million over five years beginning September 2010 for one project for management and operation of the three components of the GLFMSP: Base Program support, Emerging Chemical Surveillance, and Special Studies. <ul style="list-style-type: none"> <li>• \$6.5 million available</li> <li>• Grant award range: up to \$6.5 million for one projects.</li> </ul> <b>Application and Review Timeline:</b> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	N/A	No State Lead	N/A	No
USEPA	Integrated Atmospheric Deposition Network (IADN)	EPA expects to provide approximately \$2 million over five years for approximately one to four projects ranging in amounts up to \$2 million in order to supplement IADN in response to recommendations from the 2008 IADN Peer Review. <ul style="list-style-type: none"> <li>• \$2 million available</li> <li>• Grant award range: up to \$2 million</li> </ul> <b>Application and Review Timeline:</b> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Expand the IADN by increasing monitoring of emerging chemicals of concern such as fluorinated compounds and expanding the monitoring to include speciated mercury monitoring coordinating with other networks within the Great Lakes Basin.	DEQ-Air Quality Division	Joy Taylor Morgan 517-335-6974	No
USEPA	Great Lakes Sediment Core Surveillance	EPA expects to provide approximately \$2 million over five years for approximately one to three projects ranging in amounts up to \$2 million to implement a Great Lakes Sediment Core Surveillance program. The program will include open-lake-based collection of sediment cores in deep depositional zones in all 5 Lakes; age-dating of cores, and analyses for chemicals of emerging concern. <ul style="list-style-type: none"> <li>• \$2 million</li> <li>• Grant award range: up to \$2 million</li> </ul> <b>Application and Review Timeline:</b> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	N/A	N/A	N/A	No

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Toxic Substances and Areas of Concern*

USEPA	Screen for Chemicals of Emerging Concern	<p>EPA expects to provide approximately \$100,000 for approximately one to two projects ranging in amounts up to \$100,000 to identify potential toxic substances which may pose a threat to the Great Lakes basin. New chemical screening will be included in Great Lakes surveillance in support of Annex 12 of the Great Lakes Water Quality Agreement, which directs the U.S. and Canada to anticipate future environmental contaminants and to set priorities for environmental research, monitoring, and regulatory action.</p> <ul style="list-style-type: none"> <li>• \$100,000 available</li> <li>• Grant award range: up to \$100,000</li> </ul> <p><b>Application and Review Timeline:</b></p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	N/A	No State Lead	N/A	No
USEPA	Assess Ecological Exposure and Effects	<p>EPA expects to provide approximately \$500,000 for approximately one to three projects ranging in amounts up to \$500,000 for an Assessment of Ecological Exposure and Effects in Great Lakes fish and their potential impact on population dynamics.</p> <ul style="list-style-type: none"> <li>• \$500,000 available</li> <li>• Grant award range: up to \$500,000</li> </ul> <p><b>Application and Review Timeline:</b></p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	N/A	No State Lead	N/A	No
	Not in RFP					

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Invasive Species*

Agency	Program Name	Assistance Opportunity Summaries	Michigan's Strategic Focus Statement	Michigan's Lead State Agency	Lead Agency Contact	Is the State Department an Applicant?
DOC NOAA	Ecosystem Research and Services in the Great Lakes*	<p>NOAA plans to provide up to approximately \$1.3 million dollars to further ecosystem research on climate, land-use, environmental thresholds and ecosystem forecasting in the Great Lakes. Funds may be distributed via an existing agreement with the Cooperative Institute for Limnology and Ecosystems Research. No match is required. Academic institutions in the Great Lakes region are eligible to apply for funding. Contact: Jennifer Day, (734) 741-2245, jennifer.day@noaa.gov</p> <p>Awards:</p> <ul style="list-style-type: none"> <li>• Research projects for FY10 are currently pending final award notification</li> <li>• Funded project descriptions can be found at: <a href="http://ciler.snre.umich.edu/researchprojects.php">http://ciler.snre.umich.edu/researchprojects.php</a></li> </ul> <p>* Included in Focus Areas for Nearshore and Invasive Species.</p>	<p>Conduct ecosystem research on climate, land-use, environmental thresholds and ecosystem forecasting in the Great Lakes which Michigan will use to improve it's ability to forecast which non-native species could become major invaders and how to manage landscapes to effectively control species (ecosystem engineers) that have potential to change and dominate various habitats.</p>	DNR-Fisheries	Robert Haas 586-465-4771	No
DOI USGS	Watershed Modeling for Stream Ecosystem Management	<p>Watershed modeling for stream ecosystem management provides unified information about specific streams by incorporating models that relate changes in landscape and hydrologic variables to changes in ecosystem function, especially the effects of water withdrawals. USGS expects to provide up to approximately \$100 thousand to the Institutes for Water Research at selected land grant universities for ecosystem data from streams in the Great Lakes basin. Contact: Norm Granneman, <a href="mailto:nggranne@usgs.gov">nggranne@usgs.gov</a></p>	<p>Complete a standard ecological spatial data framework for all U.S. Great Lakes tributary streams and rivers to compliment USGS internal efforts to complete regional coverage of the spatial framework. The framework includes information on landscape character, hydrology, water temperature, and fish assemblages; and is structured within a hierarchical classification system.</p>	DNR - Fisheries	Paul Seelbach 734-663-3554 ext 10855	No
USDA FS	Emerald Ash Borer Prevention	<p>Under the Cooperative Forestry Assistance Act, the USDA Forest Service will provide approximately \$3.0 million of the Great Lakes Restoration Initiative funds for competitive projects that protect forests and watersheds in the Great Lakes watershed by addressing the prevention (with an emphasis on preparation) in areas not yet infested by the Emerald Ash Borer (non-quarantine zones), or providing forest habitat and restoration in areas affected by the Emerald Ash Borer (quarantine zones). In addition, funds are also available for proposals to develop state or local ash gene conservation plans and to initiate ash seed collections in unique ecosystems and culturally significant areas, and other areas where ash germplasm is at a high risk of being lost. Eligible applicants (including States, Tribes, Municipalities, Universities and non-profits) may apply for assistance by submitting an application package. Project sizes are set at a minimum project size (federal share) of \$20,000 and not to exceed \$500,000 (minimum size of \$5,000 not to exceed \$50,000 for seed collection and other genetic conservation proposals). Contact: Anne Archie, Field Representative, 603-868-7694, <a href="mailto:aarchie@fs.fed.us">aarchie@fs.fed.us</a> Bob Lueckel, Field Representative, 304-285-1540, <a href="mailto:rlueckel@fs.fed.us">rlueckel@fs.fed.us</a> Michael Prouty, Field Representative, 651-649-5276, <a href="mailto:mprouty@fs.fed.us">mprouty@fs.fed.us</a> Website: <a href="http://www.na.fs.fed.us/fap/fap.shtm">http://www.na.fs.fed.us/fap/fap.shtm</a> U.S. D. A. Forest Service Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$3 million available</li> <li>• Grant award range: up to \$500,000 (\$50,000 for seed collection and other genetic conservation proposals)</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• April 12, 2010 - Proposals must be received by the Forest Service by 4:30 pm Eastern Standard Time</li> <li>• April 13, 2010 – Beginning of preliminary selections for award.</li> <li>• (See Section IV for further submission information)</li> <li>• May 10, 2010 – Announcement of awards.</li> <li>• June 11, 2010 – Grant agreements developed with successful applicants (Dates are expected dates only and may change)</li> </ul>	<p>To mitigate the effects of terrestrial invasive species in targeted locations, the project will focus on assistance to locate ash in rural and urban landscapes and assist appropriate public and private landowners in 1)reducing ash phloem by providing assistance for producing a stewardship management plan for forest stands that will, or have been impacted by EAB, doing tree inventories for urban communities and parks, assisting in finding appropriate consulting services for timber sale preparation, contracting, administration, and closure, 2) finding appropriate consulting services for removal, treatment, and/or restoration of city trees, and 3) finding appropriate markets for wood products removed in these operations. Operations will focus on Houghton, Ontonogon, Baraga, Iron, Dickinson, Marquette, Alger, Chippewa, Delta, and Schoolcraft Cos. This effort would be coordinated with the SLAM Project now under way by a multi-agency group focused on slowing the spread of morality related to EAB in the Upper Peninsula of Michigan.</p>	DNR - Forest Mineral and Fire Management	Ron Murray 517-335-3353	Yes



**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Invasive Species*

USDA NRCS	Environmental Quality Incentives Program	The Environmental Quality Incentives Program (EQIP) expects to provide up to approximately \$800 thousand for terrestrial invasive species control. EQIP is a voluntary conservation program that provides financial and technical assistance to farmers and ranchers who face threats to soil, water, air, and related natural resources on their land. Through EQIP, the Natural Resources Conservation Service (USDA-NRCS) develops contracts with agricultural producers to implement conservation practices to address environmental natural resource problems. Payments are made to producers once conservation practices are completed according to USDA-NRCS requirements. EQIP provides payments up to 75 percent of the incurred costs and income foregone of certain conservation practices and activities. Historically underserved producers may be eligible for payments up to 90 percent of the estimated incurred costs and income foregone. Persons engaged in livestock or agricultural production and owners of non-industrial private forestland are eligible for the program. Applications for the EQIP program are accepted on a continuing basis. USDA-NRCS establishes application "cut-off" dates for evaluation and ranking of eligible applications. Additional information is available from Mark Parson (202-720-1840)	Work with USDA-NRCS to stop the spread of terrestrial invasive species in target locations specifically those terrestrial invasive species which have been detected as recent invaders and which pose the greatest risk to disruption of forested watersheds in Michigan including hemlock woolly adelgid, beech scale, oak splendor beetle, and Siberian moth. Specific projects include outreach and education which targets individual business and landowners associated with introduction pathways and areas at risk for introduction and pest establishment; establish feedback mechanisms which promote positive recognition of individuals reporting invasive species introduction; and conduct public education program to reduce spread of established populations by reducing offsite movement of infested firewood associated with recreational activities and promoting use of plant materials produced thorough the Clean Plant Network Initiative.	MDA-Pesticide and Plant Pest Management	Robin Rosenbaum 517-335-6542	No
USEPA	Sustain Our Great Lakes- Invasive Species	Under the Sustain Our Great Lakes Grant Program - USEPA is offering up to approximately \$1 million to support invasive species control and removal associated with habitat protection and restoration. This work will be coordinated with the Sustain Our Great Lakes Grant Program described in the Habitat and Species Section. Contact: Karen Rodriguez, 312-353-2690, rodriguez.karen@epa.gov Website: www.sustainourgreatlakes.org Stewardship Grants Program: <ul style="list-style-type: none"> <li>• \$1 million available</li> <li>• Grant award range: \$150,001 to \$1,500,000</li> </ul> Application and Review Timeline: <ul style="list-style-type: none"> <li>• Oct 1, 2009: Pre-proposals due—CLOSED</li> <li>• Oct 1 – Nov 1, 2009: Pre-proposals reviewed by the Sustain Our Great Lakes advisory team—COMPLETED</li> <li>• Nov 1, 2009: Applicants notified of pre-proposal decisions; full proposals invited—COMPLETED</li> <li>• Dec 15, 2009: Full proposals due</li> <li>• Dec 15, 2009 – February 15, 2010: Proposals reviewed by the Sustain Our Great Lakes advisory team</li> <li>• Feb 15 – Mar 30, 2010: Congressional notification of intent to award grants</li> <li>• Mar 30 – Apr 15, 2010: Anticipated announcement of awards</li> <li>• Apr - May 2010: Grant agreements developed with successful applicants</li> </ul>	Stop the spread and mitigate effects of terrestrial and aquatic invasive species in Michigan.	DNR - Wildlife	Sue Tangora 517-373-1263	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Invasive Species*

USEPA DOI USFWS	Forecasting and Synthesis of Ecosystem Effects of Invasive Species Program	<p>Under the Forecasting and Synthesis of Ecosystem Effects of Invasive Species Program, EPA expects to provide approximately \$300,000 for one to three projects ranging in amounts up to \$300,000 that advance quantitative understanding and application of threat and effects forecasting, ecosystem services methods, and risk assessment/risk management methods. Information from these projects will help inform efforts to identify high-risk sites, species of concern, ecological effects, and restoration opportunities, with anticipated input to prevention, control, and rapid response components. Contact: Jamie Schardt, 312-353-5085, <a href="mailto:schardt.james@epa.gov">schardt.james@epa.gov</a>; Russell Kreis, 734-692-7615, <a href="mailto:kreis.russell@epa.gov">kreis.russell@epa.gov</a> Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$300,000 available</li> <li>• Grant award range: up to \$300,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Improve knowledge on forecasting which non-native species through bioenergetics models for potential new invasive species and to determine how species like Asian carp, Phragmites, and New Zealand mud snail may disperse and impact native species, their food webs, and human uses of the aquatic resource. Michigan should improve identification of potential vectors, natural or human, for introduction and spread of invasives, for the state to be able to better predict and prioritize transmission routes so that control measures can be efficiently applied.</p>	DNR - Fisheries	Robert Haas (586)465-4771	Yes
USEPA DOI USFWS	Invasive Species Prevention and Control Grant Program	<p>Under the Invasive Species Prevention and Control Grant Program, EPA and FWS expect to provide approximately \$8.8 million (approximately \$4.5 million through FWS and \$4.3 million through EPA) for approximately 10 to 30 projects ranging in amounts up to \$1 million that will prevent new introductions of invasive species into the Great Lakes basin, as well as projects that will eradicate and control invasive species already present. Contact: Jamie Schardt, 312-353-5085, <a href="mailto:schardt.james@epa.gov">schardt.james@epa.gov</a>; Michael Hoff, 612-713-5114, <a href="mailto:michael_hoff@fws.gov">michael_hoff@fws.gov</a> Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$8.8 million available</li> <li>• Grant award range: up to \$1 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Aquatic Invasive Species (AIS) prevention, containment, and rapid response are the overall goals for Michigan. Priority actions include identifying and blocking pathways used by AIS to enter and spread within the state and building capacity for early detection and rapid response to species new to the state. Projects include implementation of education programs; developing rapid response capacity; development of statewide strategy for coastal AIS prevention and control; analysis of distribution of AIS; implementation of southern lower Michigan ecoregion invasive species action plan; assessment of new zealand mud snail, and evaluating spread of emerging invasive plants in Michigan rivers, streams, and canals.</p>	DEQ-Office of the Great Lakes	Roger Eberhardt, 517-335-4227	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Invasive Species*

USEPA DOI USFWS	Threat, Distribution, and Early Detection of Invasive Species Program	<p>Under the Threat, Distribution, and Early Detection of Invasive Species Program, EPA expects to provide approximately \$500,000 for approximately one to three projects ranging in amounts up to \$500,000 to expand on initial work done by the EPA Office of Research and Development (EPA-ORD)'s Invasive Species Initiative, including work done in Duluth Harbor by EPA-ORD and FWS, to design and pilot a collaborative and cost-effective systematic threat and effects assessment and early detection monitoring network. Contact: Jamie Schardt, 312-353-5085, <a href="mailto:schardt.james@epa.gov">schardt.james@epa.gov</a>; Jack Kelly, 218-529-5119, <a href="mailto:kelly.johnr@epa.gov">kelly.johnr@epa.gov</a> Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$500,000 available</li> <li>• Grant award range: up to \$500,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Stop the spread of newly discovered aquatic invasive species through effective early detection systems. Design and pilot a collaborative and cost-effective systematic early detection monitoring network for aquatic invasive species.	DNR - Wildlife	Mark Sargent 517-241-0666	TBD
USEPA /DOIUFW S /DHSUSCG / DOTMARA D/DOC - NOAA	Great Lakes Ballast Water Technology Grant Program	<p>Under the Great Lakes Ballast Water Technology Grant Program, EPA and FWS, in cooperation with the U.S. Coast Guard, Department of Transportation Maritime Administration, and National Oceanic and Atmospheric Administration, expect to provide approximately \$2.8 million (approximately \$2 million through FWS and \$800,000 through EPA) for approximately four to twelve projects ranging in amounts up to \$1 million for the development and verification of ballast water technology that is protective of freshwater ecosystems. Contact: Jamie Schardt, 312-353-5085, <a href="mailto:schardt.james@epa.gov">schardt.james@epa.gov</a>; Michael Hoff, 612-713-5114, <a href="mailto:michael_hoff@fws.gov">michael_hoff@fws.gov</a> Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$2.8 million available</li> <li>• Grant award range: up to \$1 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See 8 Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Immediately effectively regulate ballast water discharge of AIS in the Great Lakes	DEQ-Water Bureau	Barry Burns 517-335-3301	No
Not in RFP						

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
Nearshore Health / Nonpoint Source Pollution

Federal Agency	Program Name	Assistance Opportunity Summaries	Michigan's Strategic Focus Statement	Michigan's Lead State Agency	Lead Agency Contact	Is the State Department an Applicant?
DOC NOAA	Ecosystem Research and Services in the Great Lakes*	NOAA plans to provide up to approximately \$1.3 million dollars to further ecosystem research on climate, land-use, environmental thresholds and ecosystem forecasting in the Great Lakes. Funds may be distributed via an existing agreement with the Cooperative Institute for Limnology and Ecosystems Research. No match is required. Academic institutions in the Great Lakes region are eligible to apply for funding. Contact: Jennifer Day, (734) 741-2245, jennifer.day@noaa.gov Awards: <ul style="list-style-type: none"> <li>• Research projects for FY10 are currently pending final award notification</li> <li>• Funded project descriptions can be found at: <a href="http://ciler.snre.umich.edu/researchprojects.php">http://ciler.snre.umich.edu/researchprojects.php</a></li> </ul> * Included in Focus Areas for Nearshore and Invasive Species.	Develop assessments, monitoring and modeling specific to the impact of climate change in Michigan. Complete those databases where critical data gaps occur (e.g., fine scale hydrological modeling, certain high priority species mapping) to integrate existing models with predicted climate change under different scenarios at meaningful ecological scales to evaluate for vulnerability to climate change.	DNR - Wildlife	Chris Hoving 517-373-3337	No
DOC NOAA	Identify Land Use Tipping Points in Great lakes Ecosystem	NOAA plans to distribute up to approximately \$500,000 to determine science-based environmental limits or "tipping-points" in the Great Lakes that will ensure critical green infrastructure and habitat sustaining Great Lakes ecosystems are maintained; this project will use existing Great Lakes water quality, biological monitoring, and corresponding watershed land use data to identify additional tipping points that impact Great Lakes ecosystems when exceeded. Great Lakes Academic Institutions are eligible to receive funds. Contact: Dr. Doran Mason (734) 741-2148, doran.mason@noaa.gov Awards: <ul style="list-style-type: none"> <li>• Research institutions are currently pending final award notification</li> <li>• More information about awarded projects will be posted in at: <a href="http://www.glerl.noaa.gov/res/">http://www.glerl.noaa.gov/res/</a></li> </ul>	Work with entities to identify science-based environmental limits ("tipping points") specific to Michigan.	DNR - Fisheries	Paul Seelbach 734-663-3554 ext10855	No
DOC NOAA	Implementation of the Great Lakes Observing System	Through the International Ocean Observing System, NOAA will provide up to approximately \$3 million in grants and contracts to support the Great Lakes Observing System, which coordinates and integrates regional coastal observations supporting national and regional priorities including Great Lakes restoration. Projects do not require matching funds. Contact: Dr. David Schwab (734) 741-2120, david.schwab@noaa.gov Website: <a href="http://ioos.gov/funding/">http://ioos.gov/funding/</a> Awards timeline: <ul style="list-style-type: none"> <li>• Federal funding opportunities to fund Regional Associations has already been awarded for FY10</li> <li>• For FY11 proposals the closing date was October 2009</li> <li>• For more information on the award recipient and project progress, see <a href="http://glos.us/funds">http://glos.us/funds</a>.</li> </ul> Contact: Dr. David Schwab (734) 741-2120, david.schwab@noaa.gov Website: <a href="http://ioos.gov/funding/">http://ioos.gov/funding/</a> Awards timeline: <ul style="list-style-type: none"> <li>• Federal funding opportunities to fund Regional Associations has already been awarded for FY10</li> <li>• For FY11 proposals the closing date was October 2009</li> <li>• For more information on the award recipient and project progress, see <a href="http://glos.us">http://glos.us</a></li> </ul>	Work with other entities to support Michigan projects through Great Lakes Observing System (GLOS).	DNR - Fisheries	Dave Clapp 231-547-2914	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
Nearshore Health / Nonpoint Source Pollution

DOC NOAA	Land Use Change and Agricultural Lands Indicator Development	<p>Through the National Sea Grant Program Office NOAA plans to provide up to approximately \$200,000 in grants and contracts to support development of the needed indicator suites for land use and agricultural impacts on the ecosystem. There is no matching requirement for these funds. Eligible applicants are academic institutions in the Great Lakes region. Contact: Dr. David Schwab (734) 741-2120, david.schwab@noaa.gov</p> <p>Awards:</p> <ul style="list-style-type: none"> <li>• Research institutions are currently pending final award notification</li> <li>• More information about awarded projects will be posted at: <a href="http://www.iisgcp.org/research/research_land_use.html">http://www.iisgcp.org/research/research_land_use.html</a>; 734-741-2120</li> </ul>	Work with University partners to support development of indicator suites that can be used to assess the impacts of land use change and agriculture on near shore ecosystems in Michigan.	DNR - Fisheries	Li Wang 734-663-3554 ext 11255	No
USDA FS	Development of Ecosystem Services	<p>Under the Cooperative Forestry Assistance Act, the USDA Forest Service expects to provide up to approximately \$500 thousand through a competitive grant to protect and restore watersheds. This project starts the development of an Ecosystem Services market for the region such as a Great Lakes "Bank" similar to the Chesapeake Bay Bank model. The bank would match landowners wanting to sell their ecosystem services to potential buyers thus landowners have a financial benefit to maintaining their forests. Eligible applicants (including States, Tribes, Municipalities, Universities and non-profits) may apply for assistance by submitting an application package.</p> <p>Contact: Steven Davis, 610-557-4151, stevendavis@fs.fed.us Anne Archie, Field Representative, 603-868-7694, aarchie@fs.fed.us Bob Lueckel, Field Representative, 304-285-1540, rlueckel@fs.fed.us Michael Prouty, Field Representative, 651-649-5276, mprouty@fs.fed.us Website: <a href="http://www.na.fs.fed.us/fap/fap.shtm">http://www.na.fs.fed.us/fap/fap.shtm</a> U.S. D. A. Forest Service Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$500,000 available</li> <li>• Grant award range: up to \$500,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• April 12, 2010 - Proposals must be received by the Forest Service by 4:30 pm Eastern Standard Time</li> <li>• April 13, 2010 – Beginning of preliminary selections for award.</li> <li>• (See Section IV for further submission information)</li> <li>• May 10, 2010 – Announcement of awards.</li> <li>• June 11, 2010 – Grant agreements developed with successful applicants (Dates are expected dates only and may change)</li> </ul>	Work with other partners and entities to protect and restore Michigan watersheds through development of an ecosystem services model. Ecosystem services encompass forests, wetlands, wildlife habitat and conservancy lands, as well as water quality. A Great Lakes model would encompass multiple environmental values and assist landowners in participating in emerging markets for these social values.	DNR - Forest Mineral and Fire Management	Deb Huff 517-335-3355	No
USDA NRCS	Emergency Watershed Protection Program	<p>The Emergency Watershed Protection Program (EWPP) Floodplain Easements expects to provide up to approximately \$3.5 million to purchase easements and pay for restoration costs to restore, protect, maintain, and enhance the functions of the floodplain; conserve natural values including fish and wildlife habitat, water quality, flood water retention, ground water recharge, and open space; reduce long-term federal disaster assistance; and safeguard lives and property from floods, drought, and the products of erosion. Under EWPP, a landowner voluntarily offers to sell to the USDA-NRCS a permanent conservation easement that provides the USDA-NRCS with the full authority to restore and enhance the floodplain's functions and values. USDA-NRCS may pay up to 100 percent of the restoration costs. USDA-NRCS may purchase EWPP easements on any floodplain lands that have been impaired within the last 12 months or that have a history of repeated flooding (i.e., flooded at least two times during the past 10 years). Landowners may apply for EWPP at any time through their state USDA-NRCS office. Additional information is available at <a href="http://www.nrcs.usda.gov">www.nrcs.usda.gov</a>.</p>	This line item is focused on floodplain easement acquisitions and related restoration, protection, maintenance and enhancement of floodplain functions. Eligible landowners may apply directly to NRCS to participate. The State is not eligible to apply. Work with NRCS to address state priorities and management plans to target this funding. Once the funding is available, work with NRCS to identify priority areas where this funding might be directed to appropriate landowners for participation to achieve greatest potential impact/outcomes.	MDA-ESD	Abby Eaton 517-241-3933	No

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
Nearshore Health / Nonpoint Source Pollution

USDA NRCS	Environmental Quality Incentives Program	The Environmental Quality Incentives Program (EQIP) expects to provide up to approximately \$13.4 million for nonpoint source pollution. EQIP is a voluntary conservation program that provides financial and technical assistance to farmers and ranchers who face threats to soil, water, air, and related natural resources on their land. Through EQIP, the Natural Resources Conservation Service (USDA-NRCS) develops contracts with agricultural producers to implement conservation practices to address environmental natural resource problems. Payments are made to producers once conservation practices are completed according to USDA-NRCS requirements. EQIP provides payments up to 75 percent of the incurred costs and income foregone of certain conservation practices and activities. Historically underserved producers may be eligible for payments up to 90 percent of the estimated incurred costs and income foregone. Persons engaged in livestock or agricultural production and owners of non-industrial private forestland are eligible for the program. Applications for the EQIP program are accepted on a continuous basis; establishes application "cut-off" dates for evaluation and ranking of eligible applications. Additional information is available from Mark Parson (202-720-1840) and	Develop State and local capacity to provide technical assistance; Reduce nutrient inputs to tributaries and near shore waters; Prevent pounds of soil loss in Great Lakes tributaries; Increase miles of agricultural buffer strips installed and acres of wetlands restored in Great Lakes tributaries; Improve agricultural management and installation of best management practices.	MDA-ESD	Jan Wilford 517-241-4730	No
USDA NRCS	Farm and Ranch Land Protection Program	The Farm and Ranch Land Protection Program (FRPP) expects to provide up to approximately \$3.9 million in matching funds to help purchase development rights to keep productive farm and rangeland in agricultural uses. To qualify, farmland must: be part of a pending offer from a State, tribe, or local farmland protection program; be privately owned; have a conservation plan for highly erodible land; be large enough to sustain agricultural production; be accessible to markets for what the land produces; have adequate infrastructure and agricultural support services; and have surrounding parcels of land that can support long-term agricultural production. Depending on funding availability, proposals must be submitted by the eligible entities to the appropriate USDANRCS State Office during the application window. Additional information is available from Robert Glennon (202-720-9476) and from <a href="http://www.nrcs.usda.gov/programs/frpp/">http://www.nrcs.usda.gov/programs/frpp/</a>	Work with other entities to target the use of the Farm and Ranch Land protection funding to permanently preserve farmland in high priority Michigan watersheds.	MDA-ESD	Rich Harlow 517-335-3466	No
USDA NRCS	Great Lakes Basin Program for Soil Erosion and Sediment Control	The Great Lakes Basin Program for Soil Erosion and Sediment Control expects to provide up to approximately \$4.5 million in grants to local governments and nonprofit organizations to control erosion and sedimentation and to limit the input of associated nutrients and toxic contaminants to the Great Lakes. The program requires a minimum nonfederal match of 25% of total project costs. The next Request for Projects is expected to be announced in January, 2010 with proposals due by March, 2010. Additional information is available from Gary Overmier (734-971-9135 ext. 106 <a href="mailto:garyo@glc.org">garyo@glc.org</a> ) and from <a href="http://glc.org/basin/funding.html">http://glc.org/basin/funding.html</a> .	The Great Lakes Commission will release a request for Proposals for this funding. MDA and DNR may apply directly for project funding. The state agencies will also work with local applicants on development of proposals to be submitted by the local applicants.	DEQ-Office of the Great Lakes	Jim Bredin, 517-335-4232	TBD

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
Nearshore Health / Nonpoint Source Pollution

USEPA	Beach Forecasting Models	<p>EPA expects to provide approximately \$800,000 for approximately 3 to 15 projects ranging in amounts up to \$250,000 to improve and refine existing predictive models, and to develop models for additional beaches, to estimate near real-time recreational water quality in order to enable beach managers to advise the public when beach water may not be suitable for swimming.</p> <p>Contact: Holly Wirick, 312-353-6704, wirick.holiday@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$800,000 available</li> <li>• Grant award range: up to \$250,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Provide real time monitoring results to re-open or close a beach due to bacterial contamination. This approach collect information that can be used to develop forecast models which will provide local beach managers the data they need to issue a beach closure immediately as well as eliminate unnecessary delays in re-opening a beach. Swimmers will be better protected from bacterial contamination and tourism will be protected from unnecessary beach closures.</p>	DEQ-Water Bureau	Shannon Briggs 517-335-1214	Yes
USEPA	Beach Sanitary Surveys	<p>EPA expects to provide approximately \$12 million for approximately 25 to 50 projects ranging from \$20,000 to \$250,000, to identify sources of contamination at Great Lakes beaches and implement actions to reduce or remove the contamination.</p> <p>Contact: Holly Wirick, 312-353-6704, wirick.holiday@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$12 million available</li> <li>• Grant award range: \$20,000 to \$250,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Michigan's goal is to have clean, safe beaches by 2014 where 100% of Great Lakes beaches monitored by beach programs will be safe for swimming. Monitored beaches will meet water quality standards and will have no closures or advisories due to unacceptable levels of E. coli during the recreation season. The MDEQ will work with local health departments using "pass-through" grants to implement these goals. Priorities include beaches within Areas of Concern, beaches scheduled for TMDLs, and beaches that have reported water quality exceedances within 2 years or may occasionally report water quality exceedances.</p>	DEQ-Water Bureau	Shannon Briggs 517-335-1214	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
Nearshore Health / Nonpoint Source Pollution

USEPA	Communicating Beach Monitoring to Public	<p>EPA expects to provide approximately \$500,000 for approximately 5 to 20 projects ranging from \$25,000 to \$100,000 to improve the communication of beach health information to the public.</p> <p>Contact: Holly Wirick, 312-353-6704, wirick.holiday@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$500,000 available</li> <li>• Grant award range: \$25,000 to \$100,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Enhance Michigan BeachGuard - Project 1: Beachguard is a beach data reporting system that was created to provide beach monitoring data to the public in fulfillment of a legislative mandate and provides information immediately to the public as data is generated. Integrate novel tools for collecting, analyzing, and forecasting beach data that have been developed by researchers from several agencies to allow better data reporting in real-time, and provide access to all local beach managers in Michigan.</p> <p>Project 2: Conduct seminars or workshops to disseminate beach health information and training on emerging technologies and best management practices to beach managers and local health officials; Establish a consortium of communication professionals, scientists and local government officials to facilitate accurate, consistent, and efficient delivery of beach water quality information.</p>	DEQ-Water Bureau	Shannon Briggs 517-335-1214	Yes
USEPA	Improving Beach Monitoring for Bacteria	<p>EPA expects to provide approximately \$900,000 for approximately 4 to 8 projects ranging in amounts from \$10,000 to \$225,000 to implement the use of currently available methods to improve the effectiveness of monitoring fecal indicator bacteria at Great Lakes beaches.</p> <p>Contact: Holly Wirick, 312-353-6704, wirick.holiday@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$900,000 available</li> <li>• Grant award range: \$10,000 to \$225,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Real time results will be used to re-open or close a beach due to bacterial contamination. This approach will provide local beach managers the real-time data they need to issue a beach closure immediately as well as eliminate unnecessary delays in re-opening a beach. Swimmers will be better protected from bacterial contamination and tourism will be protected from unnecessary beach closures. The quantitative polymerase chain reaction (qPCR) methods for enterococci and bacteroides will be implemented for beach monitoring in several pilot studies around the Great Lakes using a transportable qPCR laboratory. A "how to" manual will be produced by Michigan State University (MSU) to train health department laboratory personnel. Health departments will have user-friendly tutorials that allow on-site use of qPCR methods which will allow health department personnel to develop robust and rapid data programs to protect the public health in a timely manner. MSU will also operate a qPCR training program for any interested laboratory technician from Michigan and from other states.</p>	DEQ-Water Bureau	Shannon Briggs 517-335-1214	Yes



**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Nearshore Health / Nonpoint Source Pollution*

USEPA	Near shore Waters Impairments and Stressors	<p>EPA expects to provide approximately \$1.6 million for approximately three to eight projects ranging in amounts up to \$800,000 to identify linkages between impairments of the aquatic nearshore ecosystem (e.g., Cladophora growths, harmful algal blooms, botulism, eutrophication, water quality issues, etc.) and causative agents that are watershed-based (e.g., land use practices, agriculture, mining, urbanization, etc.) or aquatic-based (e.g., invasive species, altered nutrient-cycling).</p> <p>Contact: Paul Bertram, 312-353-0153, bertram.paul@epa.gov          Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>          U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$1.6 million available</li> <li>• Grant award range: up to \$800,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Develop Michigan information and mapping capacity for high priority watersheds to facilitate implementation of nonpoint source pollution control measures. Compile existing data and improve information management of high priority coastal shoreline to facilitate adverse impact assessment and based on this information, identify linkages between impairments in specific watersheds, coastal/beach areas, and near shore zones; and in-lake physicochemical and biological processes. Includes the development of indicators for measuring improvement and forecasting potential changes.</p>	DNR - Fisheries	Li Wang (734)663-3554 ext 11255	Yes
USEPA	Total Maximum Daily Loads (TMDLs) (non-toxicant)	<p>EPA expects to provide approximately \$1.1 million for approximately four to eight projects ranging from \$50,000 to \$250,000 to directly assist and accelerate the development of TMDLs for nutrients, sediment, bacteria and other non-toxicant pollutants in impaired waters [CWA 303(d) listed waterbodies] of the Great Lakes basin or to assist the implementation of nonpoint source load allocations from existing TMDLs to meet water quality standards and goals.</p> <p>Contact: Dean Maraldo, 312-353-2098, maraldo.dean@epa.gov          Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>          U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$1.1 million available</li> <li>• Grant award range: \$50,000 to \$250,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Develop state capacity for development of TMDLs in Michigan impaired waters. Undertake efforts to identify linkages between impairments of the aquatic near shore ecosystem in Michigan. Specific projects include implementation of Bear Lake and East Branch Coon Creek TMDLs.</p>	DEQ-Water Bureau	Brenda Sayles 517-335-4198	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Nearshore Health / Nonpoint Source Pollution*

USEPA	Watersheds Best Management Practices, Planning and Implementation	<p>EPA expects to provide approximately \$14 million for approximately 20 to 45 projects ranging in amounts up to \$1 million leading to watershed remediation (e.g., implementing watershed best management practices and measures, demonstration projects, reductions in urban and suburban nonpoint sources of phosphorus, watershed planning, water management design and implementation, watershed modeling).</p> <p>Contact: Thomas Davenport, 312-886-0209, davenport.thomas@epa.gov          Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>          U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$14 million available</li> <li>• Grant award range: \$1 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Restore impaired waters and protect high quality waters with priority on projects that result in beneficial use impairment and Clean Water Act Section 303(d) impairment delisting. Other project priorities include: protection of high quality waters and nearshore aquatic resources; reduction of nutrient loads; prevention of soil loss; and increasing the miles of agricultural buffer strips. The DEQ is proposing to address these goals through implementation of a variety of best management practices in watersheds with approved watershed management plans. The DNR is proposing a number of projects including dam removal and river restoration projects as well as storm water controls at boat access sites. The MDA is proposing to use focused on-farm risk assessments delivered through the established Michigan Agriculture Environmental Stewardship Program (MAEAP) to drive wide spread use of sound agriculture practices to significantly reduce nutrient inputs and sedimentation loss to tributaries and near-shore waters.</p>	DEQ-Water Bureau	Bob Day 517-335-3314	Yes
USEPA	Development of Near shore Indicators and Endpoints	<p>EPA expects to provide approximately \$1.7 million for approximately one to three projects ranging in amounts up to \$1.7 million to extend the development and implementation of Great Lakes indicators and endpoints that link the health of coastal conditions with measures of human disturbance of the watershed. Nearshore monitoring to assess coastal conditions will further test and implement indicators and linkages to critical habitats.</p> <p>Contact: Paul Bertram, 312-353-0153, bertram.paul@epa.gov          Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>          U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$1.7 million available</li> <li>• Grant award range: up to \$1.7 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Develop Michigan information and mapping capacity for high priority watersheds to facilitate implementation of nonpoint source pollution control measures. Compile existing data and improve information management of high priority coastal shoreline to facilitate adverse impact assessment and based on this information, identify linkages between impairments in specific watersheds, coastal/beach areas, and near shore zones; and in-lake physicochemical and biological processes. Includes the development of indicators for measuring improvement and forecasting potential changes.</p>	DNR - Fisheries	Li Wang (734)663-3554 ext 11255	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Nearshore Health / Nonpoint Source Pollution*

USEPA	Innovative Environmental Approaches	<p>EPA may provide approximately \$1 million for up to ten other projects ranging in amounts up to \$500,000 for innovative environmental approaches pertaining to the Nearshore and Nonpoint Source focus area but not otherwise described above if the proposal demonstrates that it is for a project that has a greater chance of success to achieve the outcomes and outputs identified for the Nearshore and Nonpoint Source focus area than the other activities listed above and EPA has the requisite authority to fund the project. Contact: Paul Bertram, 312-353-0153, <a href="mailto:bertram.paul@epa.gov">bertram.paul@epa.gov</a> Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$1 million available</li> <li>• Grant award range: \$500,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Partner with other agencies, universities and organizations to utilize current assessments and monitoring efforts to encourage a watershed scale approach to land use, recreation and economic activities in near shore aquatic, wetland and upland habitats. By producing and communicating information about sustainable management and values of ecosystem services important to Michigan's Great Lake systems, a significant reduction in damage to these systems is expected.	DNR - Forest Mineral and Fire Management	Deb Huff 517-335-3355	Yes
-------	-------------------------------------	--	--	--	--------------------------	-----

# Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative

## Habitat / Wildlife Protection / Restoration

Assistance Opportunity Summaries						
Agency	Program Name	Assistance Opportunity Summaries	Michigan's Strategic Focus Statement	Michigan's Lead State Agency	Lead Agency Contact	Is the State Department an Applicant?
DOC NOAA	Coastal and Estuarine Land Conservation	<p>Under the Coastal and Estuarine Land Conservation Program (CELCP) NOAA anticipates awarding up to approximately \$4,750,000 to acquire lands or conservation easements within Great Lakes states. The program provides state and local governments with 1:1 matching funds to purchase land or conservation easements from willing sellers. Great Lakes states with either a federally-approved coastal zone management program or National Estuarine Research Reserve and that have developed and received NOAA approval for a CELCP Plan are eligible for these funds. Contact: Elaine Vaudreuil (301) 713-3155 x103, Elaine.Vaudreuil@noaa.gov Website: <a href="http://coastalmanagement.noaa.gov/land/welcome.html">http://coastalmanagement.noaa.gov/land/welcome.html</a> Request for proposal:</p> <ul style="list-style-type: none"> <li>• Request for proposals completed in September 2009 as part of CELCP FY 2010 Funding competition</li> <li>• \$4,750,000 available for projects</li> <li>• See CELCP "Funding Opportunities" page for more information (<a href="http://coastalmanagement.noaa.gov/land/celcp_fundingop.html">http://coastalmanagement.noaa.gov/land/celcp_fundingop.html</a>)</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• NOAA's original request for proposals for funding in fiscal year (FY) 2010 closed on March 31, 2009. However, re-authorization for CELCP (Omnibus Public Land Management Act of 2009 Pub. L. No. 111-11, March 30, 2009) directed some changes to eligibility criteria and program priorities that had to be applied to the ongoing competition. NOAA conducted a 30-day re-opening of the FY 2010 CELCP competition in order to provide eligible states and territories with the opportunity to adjust project proposals to comport with changes provided for under the Act, as well as to announce that the competition would be used to select additional projects for funding for the GRLI, if appropriated. The re-opened competition closed on September 18, 2009.</li> <li>• NOAA has completed the rankings for the national competition. Final project selections for CELCP and GRLI funds will be made from the ranked list, which is available on the CELCP "Funding Opportunities" page.</li> </ul>	Protecting and conserving coastal habitats	DEQ-Coastal Zone Mgmt	Cathie Ballard 517-335-3456	Yes
DOC NOAA	Great Lakes Habitat Restoration Program	<p>Under NOAA's Great Lakes Habitat Restoration, NOAA anticipates awarding up to \$10 million for Great Lakes coastal habitat restoration projects including those that advance the delisting of habitat-related beneficial use impairments as well as marine debris removal. Eligible applicants include States, Tribes, municipalities, non-governmental organizations, for-profit entities, non-profit entities, and others. No matching funds are required in this solicitation, but they are recommended. Contact: Jenni Wallace, (301) 713-0174 x 183, Jenni.Wallace@noaa.gov Website: <a href="http://www.nmfs.noaa.gov/habitat/restoration/">http://www.nmfs.noaa.gov/habitat/restoration/</a></p> <p>Federal Funding Opportunity:</p> <ul style="list-style-type: none"> <li>• Approximately \$10 million available for grants</li> <li>• Applications requesting between \$500,000 and \$2,500,000 may be submitted</li> <li>• Typical grant award range: \$1,000,000 to 1,500,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Federal Funding Opportunity to be published in the Federal Register by the end of December</li> <li>• Applicants apply through <a href="http://www.grants.gov">www.grants.gov</a></li> <li>• Application deadline: February 1, 2010</li> <li>• The earliest anticipated start date for project awards will be July 1, 2010</li> </ul>	Work with partners to develop state priority projects for funding under NOAA's Great Lakes Habitat Restoration Program that work towards delisting habitat-related Beneficial Use Impairments in Michigan Areas of Concern.	DNR - Wildlife	Barb Avers 517-241-3451	Yes

## Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative

### Habitat / Wildlife Protection / Restoration

DOI BIA	Great Lakes Tribal Species and Ecosystem Restoration	The Bureau of Indian Affairs "Great Lakes Tribal Species and Ecosystems Restoration" project will award up to approximately \$3 million for up to 25 grants to protect and restore culturally significant native species such as wild rice and their habitats. No match is required. Great Lakes Tribes and inter- Tribal organizations are eligible to apply. Contact: Bob Jackson, bob.jackson@bia.gov	The State priority is to assist the Federally-recognized Tribes and Intertribal organizations with their project applications.	DNR - EXEC	Dennis Knapp 517-241-0330	No
DOI USFWS	Great Lakes Basin Candidate Fish Habitat Partnership	The US Fish and Wildlife Service, in support of the National Fish Habitat Action Plan, anticipates awarding up to approximately \$900 thousand in cooperative agreements to supporting partners of the Great Lakes Basin Candidate Fish Habitat Partnership. Private, state, federal, non-governmental, or Tribal partners are eligible to receive funding for projects that focus on restoring tributary and nearshore fish habitats and ecosystem function, removing impediments that alter hydrologic processes, and conducting a basinwide habitat assessment that will help prioritize future projects for restoring fish habitats and their associated populations within the Great Lakes basin. No match is required for projects. A Request for Projects is expected to be announced in January or February 2010, and will be available on grants.gov. No match is required for projects, but is highly encouraged. Additional information about this funding opportunity, the National Fish Habitat Action Plan, and the Great Lakes Basin Candidate Fish Habitat Partnership is available by contacting Mark Brouder (715-682-6185 x11/Mark_B www.fishhabitat.org.	Priority is based on focus areas described in the Great Lakes Basin Fish Habitat Strategic Plan including fish habitat protection and restoration including tributary stream restoration or protection (i.e. Fish and aquatic species passage, riparian habitat, large woody debris, water temperatures, natural stream flow functions, natural stream channel form); Coastal and connecting channel wetland restoration, enhancement, and protection; and connecting channel restoration or protection (i.e. fish and aquatic species passage and riparian habitat), and inventory/assessment of habitats in local watersheds.	DNR - Fisheries	Jay Wesley 269-685-6851 ext 117	Yes
DOI USFWS	Great Lakes Basin Endangered Species Recovery	The U.S. Fish and Wildlife Service's "Great Lakes Basin Endangered Species Recovery Initiative" will award up to approximately \$1.7 million in grants in FY2010 to private landowners and other non-Federal governmental entities or affiliates, including state, county, and local governments or State-supported universities to further recovery efforts for federally listed species in the Great Lakes. Eligible projects include voluntary on-the-ground efforts to implement recovery actions, as identified in species recovery plans, on non-federal lands. Examples of the types of projects that may be funded include managing nonnative competitors, reintroducing imperiled species, implementing measures to minimize risk from disease, securing populations with species management plans, restoring streams that support imperiled species, erecting fencing to exclude animals from sensitive habitats, or planting native vegetation to restore a rare plant community. Additional information is available from Peter Fasbender (612- 713-5343, Peter_Fasbender@fws.gov) This offering will be advertised on grants.gov Jan.-Feb. 2010, (FWS-ES-GLRI-10).	Develop a method to provide timely and accurate information to diverse conservation partners on the potential locations of endangered species without increasing threats from black market collectors; complete the delisting process for those recovered species, and restoring ecological communities to protect the investments in invasive species control by giving the ecosystems added resiliency to future invasions.	DNR - Wildlife	Chris Hoving 517-373-3337	Yes
DOI USFWS	Great Lakes Fish and Wildlife Restoration Act	Through the Great Lakes Fish and Wildlife Restoration Act the USFWS will award up to approximately \$8 million in grants or project agreements for projects to restore fish and wildlife resources and their habitats in the Great Lakes Basin and provide assistance to Great Lakes fish and wildlife agencies to encourage cooperative conservation, restoration, and management. A 25% non-federal match is required. A request for proposals is currently available on grants.gov. Proposals will be accepted until Jan. 22, 2009, 11:00 PM EST. Proposals submitted by eligible applicants (states, tribes, local governmental agencies, private citizens, universities and non-governmental organizations) will be reviewed by the Great Lakes Fish and Wildlife Proposal Review Committee, representing States and Tribes in the Great Lakes Basin, and will develop recommendations on projects for approval by the Service. Sponsorship by state or tribal agencies is required for all proposals approved for funding. Please contact Rick Westerhof (231-584-3553, Rick_Westerhof@fws.gov) for more information.	Work with partners to develop state priority concepts for funding under the GLFWRA. Restore fish and wildlife resources and their habitats in Michigan with emphasis placed on enhancing restoration efforts in the Great Lakes and their watersheds, maintaining and improving wetlands in hydrologically modified environments, and restoring connectivity to cold and warm water tributary spawning and nursery habitats to sustain migratory fishes.	DNR - Wildlife/Fisheries	Tammy Newcomb (517)373-3960, Mike Bailey 517-241-0533	Yes

## Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative

### Habitat / Wildlife Protection / Restoration

DOI USFWS	Great Lakes Watershed Habitat and Species Restoration Initiative	The U.S. Fish and Wildlife Service's "Great Lakes Watershed Habitat and Species Restoration Initiative" will award up to approximately \$3.2 million in grants, contracts, and cooperative agreements to private, state, federal, non-governmental, and Tribal partners for projects that restore habitat for native lake sturgeon, brook trout, migratory birds, and threatened and endangered species populations within the Great Lakes Basin by removing fish passage barriers, stabilizing stream banks, improving in-stream habitat and restoring priority wetland and upland areas. Funding will be advertised and awarded through the following programs and authorities: <ul style="list-style-type: none"> <li>• Partners for Fish and Wildlife Program</li> <li>• Fish Passage Program</li> <li>• Great Lakes Joint Ventures (Upper Mississippi/Great Lakes JV, Atlantic Coast JV)</li> </ul> Grant requests should be matched by partner contributions at no less than a 1-to-1 ratio for projects; the 2010 request for proposals will be announced concurrent with the above programs. For additional information, please contact Barbara Pardo (Joint Ventures): (612- 713-5433/ Barbara_Pardo@fws.gov) or Greg Brown (Partners for Fish and Wildlife): (612- 713-5475/ Greg_Brown@fws.gov).	Work with partners to develop state priority projects for funding under the USFWS's Partners for Fish and Wildlife, Fish Passage, and Great Lakes Joint Ventures Programs.	DNR - Wildlife/Fisheries	Chris Frieberger 517-373-6644/ Barb Avers 517-241-3451	Yes
DOI USFWS	Great Lakes Wind Power: Making it Migratory Bird-friendly	The "Great Lakes Wind Power" initiative may award up to approximately \$500 thousand in grants, contracts, and cooperative agreements to state, federal, non-governmental, Tribal partners or Academia through an open grant process. Proposals will need to address ways to obtain information about avian migration corridors along and over Great Lakes and utilization of Great Lakes islands by migratory and breeding birds. A 2010 request for proposals is expected to be announced early in 2010; match requirements are TBD. Additional information is available from Jeff Gosse (612-713-5138/ jeff_gosse@fws.gov), and at <a href="http://www.fws.gov/midwest/wind/">http://www.fws.gov/midwest/wind/</a> and <a href="http://www.grants.gov/search/search.do?mode=VIE&amp;flag2006=false&amp;oppld=45437">http://www.grants.gov/search/search.do?mode=VIE&amp;flag2006=false&amp;oppld=45437</a>	Work with entities to develop state priority projects for funding under the Great Lakes Wind Power Initiative.	DNR - Wildlife	Karen Cleveland 517-241-4250	No
DOI USFWS	Habitat Assessment and Accounting Infrastructure for the Great Lakes	The U.S. Fish and Wildlife Service's "Habitat Assessment & Accounting Infrastructure for the Great Lakes" initiative will award up to approximately \$1.4 million in cooperative agreements to private, state, federal, non-governmental, or Tribal partners through the National Wetlands Inventory program. Projects will be focused on acquiring, collecting and developing better geospatial information beyond traditional approaches for an integrated information acquisition and decision support delivery system for the basin. Additional information is available from Brian Huberty (612-713-5332, Brian_Huberty@fws).	Work with non-state entities to develop state priority projects to build capacity for Great Lakes conservation decision support systems, for funding under the Habitat Assessment and Accounting Infrastructure for the Great Lakes.	DNR - Wildlife	Mike Donovan 517-373-7027	TBD
DOT FHWA	Ecosystem Approach to Infrastructure and Restoration Work	Through the "Ecosystem Approach to Infrastructure and Restoration Work," the Federal Highway Administration would distribute up to approximately \$2.5 million to partnerships and organizations (public and private) that implement integrated efforts toward an ecosystem approach for restoration and habitat protection, invasive species (terrestrial and aquatic), and water quality in concert with transportation and infrastructure. Funding would be distributed through mechanisms such as cooperative agreements, grants, and project agreements with regional, state, and local agencies, and academic and non-governmental organizations during federal fiscal year 2010. Contact: Kimberly Majerus, 708-283-4346, kimberly.majerus@dot.gov	Work with partners to develop state capacity for identifying areas and management targets to minimize the negative impacts on ecosystem function and process by transportation systems.	DNR - Fisheries	Gary Towns 248-359-9046	No

## Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative

### Habitat / Wildlife Protection / Restoration

USDA FS	Restore Urban and Community Forests	<p>Under the Cooperative Forestry Assistance Act, the USDA Forest Service expects to provide approximately \$1 million through competitive grants or project agreements to provide tree assessment tools to communities to strategically restore urban and community forests, provide habitat and wildlife protection/restoration and to assess and protect ecosystem and stream health in the Great Lakes watershed. Tools include I-Tree Assessment, The Urban Tree Canopy, Hazard Tree Risk Assessment, NA Best Management Practices Monitoring protocol, Stream Crossing Restoration and Prioritization Tool, and others. Project sizes are set at a minimum project size (federal share) of \$20,000 and not to exceed \$150,000. Projects may occur on any combination of land ownerships, although S&amp;PF funds should only be spent on non-federal lands. Funds to be passed through to Third Party Recipients must be clearly identified: name of organization, contact information and funding amount. Eligible applicants (including States, Tribes, Municipalities, Universities and non-profits) may apply for assistance by submitting an application package. Contact: Steven Davis, 610-557-4151, <a href="mailto:stevendavis@usda.gov">stevendavis@usda.gov</a></p> <p>U.S. D. A. Forest Service Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$1 million available</li> <li>• Grant award range: up to \$150,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• April 12, 2010 - Proposals must be received by the Forest Service by 4:30 pm Eastern Standard Time</li> <li>• April 13, 2010 – Beginning of preliminary selections for award.</li> <li>• (See Section IV for further submission information)</li> <li>• May 10, 2010 – Announcement of awards.</li> <li>• June 11, 2010 – Grant agreements developed with successful applicants (Dates are expected dates only and may change)</li> </ul>	Collaborate with partners to identify communities within Michigan's EPA designated Areas of Concern (AOC) where strategic urban forestry assessments (e.g. CITYgreen, i-Tree, Urban Tree Canopy assessments) can be implemented or updated to guide restoration of the urban forest canopy and improve its management.	DNR - Forest Mineral and Fire Management	Kevin Sayers 517-241-4632	TBD
USDA NRCS	Environmental Quality Incentives Program	<p>The Environmental Quality Incentives Program (EQIP) expects to provide up to approximately \$800 thousand for habitat and wildlife protection and restoration. EQIP is a voluntary conservation program that provides financial and technical assistance to farmers and ranchers who face threats to soil, water, air, and related natural resources on their land.</p> <p>Through EQIP, the Natural Resources Conservation Service (USDA-NRCS) develops contracts with agricultural producers to implement conservation practices to address environmental natural resource problems. Payments are made to producers once conservation practices are completed according to USDA-NRCS requirements. EQIP provides payments up to 75 percent of the incurred costs and income foregone of certain conservation practices and activities. Historically underserved producers may be eligible for payments up to 90 percent of the estimated incurred costs and income foregone.</p> <p>Persons</p>	Focused on the planning and implementation of conservation practices which address resource concerns on private lands eligible for participation as determined by USDA. Eligible landowners must apply directly to NRCS to participate; the State is not eligible to apply.	MDA-Environmental Stewardship Division	Steve Shine 517-373-9798	No
USDA NRCS	North American Wetlands Conservation Act	<p>The North American Wetlands Conservation Act will award up to approximately \$2.4 million in grants to organizations and individuals who have developed partnerships to carry out wetlands conservation projects in the Great Lakes for the benefit of wetlands-associated migratory birds and other wildlife. There is a Standard and a Small Grants Program. Both are competitive grants programs and require that grant requests be matched by partner contributions at no less than a 1-to-1 ratio. Funds from U.S. Federal sources may contribute towards a project, but are not eligible as match. Additional information is available from Barbara Pardo (612- 713-5433/ <a href="mailto:Barbara_Pardo@fws.gov">Barbara_Pardo@fws.gov</a>) and from <a href="http://www.fws.gov/birdhabitat/Grants/NAWCA/index.shtml">http://www.fws.gov/birdhabitat/Grants/NAWCA/index.shtml</a>.</p>	Work with partners to develop state priority projects for funding under the North American Wetlands Conservation Act that protect, restore, and enhance wetlands and associated uplands and directly benefit wetlands-associated migratory birds and other wildlife.	DNR - Wildlife	Barb Avers 517-241-3451	Yes

## Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative

### Habitat / Wildlife Protection / Restoration

USDA NRCS	Wildlife Habitat Incentive Program	The USDA National Resources Conservation Service Wildlife Habitat Incentive Program (WHIP) expects to provide up to approximately \$800 thousand for habitat and wildlife protection and restoration. WHIP is a voluntary program for conservation-minded landowners who want to develop and improve wildlife habitat on agricultural land, nonindustrial private forest land, and Indian land. The Natural Resources Conservation Service administers WHIP to provide both technical assistance and up to 75 percent costshare assistance to establish and improve fish and wildlife habitat. Applications for the WHIP program are accepted on a continuous basis; however, USDA-NRCS establishes application "cut-off" dates for evaluation and ranking of eligible applications. Additional information is available from Albert Cerna (202-720-9358, albert.cerna@wdc.usda.gov) and from <a href="http://www.nrcs.usda.gov/programs/whip/">http://www.nrcs.usda.gov/programs/whip/</a>	Focused on the establishment and restoration of habitat on private lands eligible for participation as determined by USDA. Eligible landowners must apply directly to NRCS to participate; the State is not eligible to apply.	MDA-Environmental Stewardship Division	Steve Shine 517-373-9798	No
USEPA	Blueprints for Biodiversity Protection and Restoration	EPA expects to provide approximately \$800,000 for approximately three to five projects ranging from \$100,000 to \$250,000 to develop biodiversity blueprints for the Lake Michigan and Erie basins and other key sub watersheds. The blueprints will identify, synthesize, and analyze information regarding key species, natural communities, ecological systems and abiotic processes. Contact: Karen Rodriguez, 312-353-2690, rodriguez.karen@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals: • \$800,000 available • Grant award range: \$100,000 to \$250,000 Application and Review Timeline: • Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information) • Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information) • Feb 28, 2010 – Beginning of preliminary selections for award • Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)	Work with partners to develop state priority projects for funding under the Blueprints for Biodiversity Protection and Restoration Program.	DNR - Fisheries (possibly PRD depending on RFP)	Jim Johnson (DNR) 989-356-3232 ext 2571	No
USEPA	Habitat Restoration in Great Lakes Area of Concern	EPA expects to provide approximately \$7 million to \$15 million for approximately 10 to 20 projects ranging from \$500,000 to \$1.5 million to restore habitats in Great Lakes Areas of Concern (AOCs). Restoration will improve the quality of ecosystems, lead to the delisting of habitat-related Beneficial Use Impairments, and/or lead to the achievement of blueprint area goals. Contact: Karen Rodriguez, 312-353-2690, rodriguez.karen@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals: • \$7 million to \$15 million available • Grant award range: \$500,000 to \$1.5 million Application and Review Timeline: • Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information) • Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information) • Feb 28, 2010 – Beginning of preliminary selections for award • Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)	Support restoration of degraded fish and wildlife habitat and populations in Michigan's AOCs as outlined in Remedial Action Plans, Restoration Plans, and the AOC Delisting Strategy leading toward delisting of habitat related Beneficial Use Impairments (BUI) as defined by the Great Lakes Water Quality Agreement. Projects include naturalization and restoration of in stream habitat in Portage Creek within Kalamazoo AOC among others.	DEQ-Water Bureau	Julie Sims 517-373-2732	Yes



## Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative

### Habitat / Wildlife Protection / Restoration

USEPA	Monitoring Great Lakes Coastal Wetlands	<p>EPA expects to provide approximately \$12 million over five years for two to 15 projects ranging from \$150,000 to \$10 million to monitor coastal wetlands across the Great Lakes basin using, in part, procedures developed by the Great Lakes Coastal Wetlands Consortium. Monitoring data will provide information to decision makers about coastal wetland quality, in particular birds, amphibians, fish, invertebrates, plants, wetland extent and type, and water chemistry. Contact: Karen Rodriguez, 312-353-2690, rodriguez.karen@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• Up to \$12 million over five years</li> <li>• Grant award range: \$150,000 to \$10 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)18</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Cooperate with universities in the implementation of a Great Lakes coastal wetland monitoring plan developed with the support of EPA by a group of academic experts and resource agency staff. Monitoring data will be collected for birds, amphibians, fish, invertebrates, plants, wetland extent and type, and water chemistry. These data will provide essential information to decision makers about coastal wetland quality, and will allow for better informed, more consistent management of coastal wetland resources. Collaboration with the monitoring team will support the goals of Michigan's Wildlife Action Plan and Michigan's Wetland Monitoring and Assessment Strategy, and will provide information to address Lakewide Management Plan goals and objectives.</p>	DEQ-Land and Water Mgmt	Peg Bostwick 517-335-3470	No
USEPA	Sustain Our Great Lakes	<p>The "Sustain Our Great Lakes Grant Program" will award \$5 million for 10 to 20 grants of \$150,000 to \$1.5 million to further the landscape-scale restoration goals of States, Tribes, municipalities, and non-governmental organizations. Approximately 5,000 acres will be protected, restored or enhanced and 25 river miles opened for fish passage. A \$150,000 match (may include in-kind) is required. States, Tribes, municipalities, universities, and non-governmental organizations are eligible to apply. Contact: Karen Rodriguez, 312-353-2690, rodriguez.karen@epa.gov Website: <a href="http://www.sustainourgreatlakes.org">www.sustainourgreatlakes.org</a> Stewardship Grants Program: • \$5 million available</p> <ul style="list-style-type: none"> <li>• Grant award range: \$150,001 to \$1,500,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Oct 1, 2009: Pre-proposals due—CLOSED</li> <li>• Oct 1 – Nov 1, 2009: Pre-proposals reviewed by the Sustain Our Great Lakes advisory team—COMPLETED</li> <li>• Nov 1, 2009: Applicants notified of pre-proposal decisions; full proposals invited—COMPLETED</li> <li>• Dec 15, 2009: Full proposals due</li> <li>• Dec 15, 2009 – February 15, 2010: Proposals reviewed by the Sustain Our Great Lakes advisory team</li> <li>• Feb 15 – Mar 30, 2010: Congressional notification of intent to award grants</li> <li>• Mar 30 – Apr 15, 2010: Anticipated announcement of awards</li> <li>• Apr - May 2010: Grant agreements developed with successful applicant</li> </ul>	<p>Develop state capacity and work with entities to develop state priority projects for funding under the Sustain Our Great Lakes program.</p>	DNR- Wildlife	Sue Tangora 517-373-1263	Yes

## Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative

### *Habitat / Wildlife Protection / Restoration*

USEPA	Restoring Great Lakes Habitats	<p>EPA may provide approximately \$2 million for ten to twenty projects ranging from \$50,000 to \$200,000 to restore Great Lakes wetland, wetland-associated upland, coastal, upland, and island habitats, including projects supporting the goals of Lakewide Management Plans and biodiversity conservation plans such as the Binational Biodiversity Conservation Strategy for Lake Ontario. Habitat restoration will improve physical, chemical, and biological processes and ecosystem functions and maintain or improve the conditions of native fish and wildlife. Contact: Karen Rodriguez, 312-353-2690, rodriguez.karen@epa.gov Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a></p> <p>U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$2 million available</li> <li>• Grant award range: \$50,000 to \$200,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Restore and enhance priority wetland areas to improve the health of the Great Lakes and restore wildlife habitat.	DNR-Wildlife	Sue Tangora 517-373-1263	Yes
	Not in RFP					

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Accountability, Education, Monitoring, Evaluation, Communication, Partnerships*

Agency	Program Name	Assistance Opportunity Summaries	Michigan's Strategic Focus Statement	Michigan's Lead State Agency	Lead Agency Contact	Is the State Department an Applicant?
USEPA	Assessing Indicators for the Great Lakes	<p>EPA expects to provide approximately \$500,000 for approximately one to five projects ranging in amounts up to \$500,000 to maintain and enhance the indicator development, measurement and reporting that is part of the State of the Lakes Ecosystem Conference (SOLEC). Indicators used in assessing the health of the Great Lakes for this effort are measured by many federal and state agencies in the Great Lakes Basin, some regularly, some irregularly and some remain unmeasured. Projects are expected to enhance assessments on previously reported indicators and expand measurements to those indicators previously unmeasured.</p> <p>Contact: Paul Bertram, 312-353-0153, bertram.paul@epa.gov            Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>            U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$500,000 available</li> <li>• Grant award range: up to \$500,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Pursue enhancement of existing and new indicators and ensure indicators specific to Michigan issues are monitored and reported.	DNR - Fisheries	Dave Clapp (231)547-2914	Yes
USEPA	Coordinated Implementation of Lakewide Management Plans, Programs	<p>EPA expects to provide approximately \$2 million for approximately 10 to 15 grants ranging in amounts up to \$1 million to strategically implement critical LaMP programs, projects, and activities not solicited for under other programs in this RFP for collaboration on a lake-basin level in LaMP programs, for public outreach/education projects, and for stakeholder and public participation in LaMP forums and networks.</p> <p>Contact: Elizabeth LaPlante, 312-353-2694, laplante.elizabeth@epa.gov            Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>            U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$2 million available</li> <li>• Grant award range: up to \$1 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>A. Implement projects that support public outreach and education and enhance stakeholder and public participation in the Lakewide Management Plans for Lakes Superior, Michigan and Erie, the Lake Huron Binational Partnership Action Plan, and the Lake St. Clair Management Plan under the Great Lakes Water Quality Agreement. Projects include establishment of a Lake Huron Framework for Community Action, enhancement of current environmental education curriculum, climate adaptation tools, among others.</p> <p>B. (For the non-competitive portion) Provide State staffing to work with federal agencies and local partners to implement the Lakewide Management Plan program.</p>	DEQ-Water Bureau/Office of the Great Lakes	Rick Hobrla 517-335-4173/Emily Finnell 517-241-7927	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Accountability, Education, Monitoring, Evaluation, Communication, Partnerships*

USEPA	Economic and Social Values of Ecosystem Services	USEPA expects to provide up to approximately \$500 thousand through grants and cooperative agreements to help pilot new tools and information for local Great Lakes ecosystem protection efforts. Projects must coordinate with broad federal effort that is communicating and coordinating existing efforts to define, explain, and use information on the values of ecosystem services. No matching funds are required. States, Tribes, municipalities, universities, and non-governmental organizations are eligible to apply. A Request for Proposals is expected to be issued in January of 2010 with Proposals to be submitted by March of 2010. For further information, contact John Haugland (312- 886-9853/Haugland.John@epa.gov). The Request for Proposals will be posted to: <a href="http://epa.gov/greatlakes/fund/current.html">http://epa.gov/greatlakes/fund/current.html</a>	Undertake efforts to communicate and coordinate values of ecosystem services important to Michigan.	DNR - Forest Mineral and Fire Management	Deb Huff 517-335-3355	Yes
USEPA	Great Lakes Web Content, Applications, and Collaboration Platform	USEPA expects to provide up to approximately \$3 million in grants to create new Great Lakes web content and applications and provide a collaboration platform to support Great Lakes data sharing, provide video access to decision-making events, promote remote meeting technologies and green computing environments. States, Tribes, municipalities, universities, and non-governmental organizations are eligible to apply. A Request for Proposals is expected to be issued in Spring of. Additional information is available from Pranas Pranckevicius (312 353-3437/ <a href="mailto:pranckevicius.pranas@epa.gov">pranckevicius.pranas@epa.gov</a> )	Focus on developing and/or expanding existing web-based tools to support and promote data sharing and use, as well as responsible stewardship (could include education/outreach) of Michigan's natural resources.	DNR-Wildlife	Amy Derosier 517-335-4843	Yes
USEPA	Near shore and Open Water Monitoring and Prediction	EPA expects to provide approximately \$1 million for one to three projects ranging in amounts up to \$1 million with a focus on efforts to assess the fluxes of nutrients (especially phosphorus and carbon) and particulates between the nearshore, offshore, and open water zones of the Great Lakes. The projects should: assess the movement and fate of nutrients in the deeper, open waters of the lakes; provide information to drive the management of nutrient loads to the Great Lakes to decrease nuisance and harmful algae in the nearshore; and/or support a Great Lakes basin-wide assessment of changes in nutrient distribution that aid lake management. Contact: Glenn Warren, 312-886-2405, <a href="mailto:warren.glenn@epa.gov">warren.glenn@epa.gov</a> Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a> U.S. EPA Great Lakes Restoration Initiative Request for Proposals: <ul style="list-style-type: none"> <li>• \$1 million available</li> <li>• Grant award range: up to \$1 million</li> </ul> Application and Review Timeline: <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Enhance the monitoring of physical and chemical conditions in nearshore areas of the Great Lakes, and understand the impact of nearshore conditions on open waters.	DEQ-Water Bureau	Gary Kohlhepp 517-335-1289	No

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Accountability, Education, Monitoring, Evaluation, Communication, Partnerships*

USEPA	Observing Systems	<p>EPA expects to provide approximately \$3.1 million for approximately one to five projects ranging in amounts up to \$3.1 million to implement strategic components relevant for Great Lakes decision making of the U.S. contribution to the Integrated Earth Observation System and the Integrated Ocean Observing System as part of the Global Earth Observing System of Systems. Projects should address the deployment, operation, and maintenance of buoys, gliders, autonomous underwater vehicles, or other sensors and platforms in the nearshore areas of the Great Lakes and should be developed in cooperation with Great Lakes States' enhanced tributary monitoring efforts.</p> <p>Contact: Glenn Warren, 312-886-2405, warren.glenn@epa.gov          Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>          U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$3.1 million available</li> <li>• Grant award range: up to \$3.1 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Undertake Michigan specific projects to enhance the use of observing stations in the Michigan waters of the Great Lakes.	DNR-Fisheries	Dave Clapp 231-547-2914	Yes
USEPA	Annual Comprehensive Monitoring Program	<p>EPA expects to provide approximately \$2 million for approximately one to five projects ranging in amounts up to \$2 million to establish baseline conditions of the environmental quality of the nearshore waters of the Great Lakes as part of an annual comprehensive nearshore monitoring program.</p> <p>Contact: Glenn Warren, 312-886-2405, warren.glenn@epa.gov          Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>          U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$2 million available</li> <li>• Grant award range: up to \$2 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Enhance near shore monitoring in Michigan waters and enhance state capacity regarding decision making with an emphasis on nuisance algae and near shore waters near major tributary mouths.	DEQ-Water Bureau	Gary Kohlhepp 517-335-1289	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Accountability, Education, Monitoring, Evaluation, Communication, Partnerships*

USEPA	Predicting Ecosystem Change	<p>EPA expects to provide approximately \$1 million for approximately one to five projects ranging in amounts up to \$1 million to begin development and/or expand models that can predict ecosystem changes related to climate change and invasive species. This program emphasizes invasive species and combinations of various ecosystem changes, and their effects on food webs, primary productivity, and toxic contaminant concentrations.</p> <p>Contact: Glenn Warren, 312-886-2405, warren.glenn@epa.gov          Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>          U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$1 million available</li> <li>• Grant award range: up to \$1 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Models of the Great Lakes exist that incorporate current climate, and using future climate predictions in these models could predict how the Great Lakes will respond to a changing climate; however, the global climate models (GCM) of future climate are not specific to Michigan. The influence of the Lakes themselves complicates “downscaling” of the global models for use in the Great Lakes. New statistical and dynamic methods now exist to downscale the global models to the scale of the Great Lakes, allowing predictions of future lake ice, lake levels, lake effect snow. The downscaled models could also be used in models of forest, stream, inland lake, or wildlife responses to predicted climate change. Develop tools for predicting physical and biotic effects on native fish recruitment.</p>	DNR - Wildlife	Chris Hoving 517-373-3337	Yes
USEPA	Cooperative Science and Monitoring Initiative (CSMI)	<p>EPA expects to provide approximately \$1.25 million for approximately one to seven projects ranging in amounts up to \$1.25 million as part of the CSMI for intensive scientific planning, monitoring, assessment, and reporting (integrating with the respective LaMPs) of each of the Lakes, their connecting channels, and the international portion of the St. Lawrence River, on a 5-year rotating schedule. Of the \$1.25 million, approximately \$750,000 is expected to be used for monitoring and approximately \$500,000 is expected to be used for planning and reporting.</p> <p>Contact: Elizabeth LaPlante, 312-353-2694, laplante.elizabeth@epa.gov          Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>          U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$1.25 million available</li> <li>• Grant award range: up to \$1.25 million</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	<p>Support the bi-national Cooperative Science and Monitoring Initiative (CSMI) by participating in technical planning, monitoring, assessment, and reporting for each of the Great Lakes and connecting channels, in cooperation with Lakewide Management Plans.</p>	DEQ-Water Bureau	Gary Kohlhepp 517-335-1289	Yes

**Michigan Strategic Framework for the 2010 Great Lakes Restoration Initiative**  
*Accountability, Education, Monitoring, Evaluation, Communication, Partnerships*

USEPA	Innovative Environmental Approaches	<p>EPA may provide approximately \$1 million for up to approximately ten other projects ranging in amounts up to \$500,000 for the development and implementation of innovative environmental approaches not otherwise described above if the proposal demonstrates that it is for a project that has a greater chance of success to achieve the outcomes and outputs identified for this focus area than the other activities listed above and EPA has the requisite authority to fund the project.</p> <p>Contact: Glenn Warren, 312-886-2405, warren.glenn@epa.gov          Website: <a href="http://epa.gov/greatlakes/fund/2010rfp01/">http://epa.gov/greatlakes/fund/2010rfp01/</a>          U.S. EPA Great Lakes Restoration Initiative Request for Proposals:</p> <ul style="list-style-type: none"> <li>• \$1 million available</li> <li>• Grant award range: up to \$500,000</li> </ul> <p>Application and Review Timeline:</p> <ul style="list-style-type: none"> <li>• Dec 9 and 16, 2009 – Webinar and Public Conference Call to discuss RFP. (See Section IV for further information)</li> <li>• Jan 29, 2010 - Proposals must be received by EPA by noon Central Standard Time (See Section IV for further submission information)</li> <li>• Feb 28, 2010 – Beginning of preliminary selections for award</li> <li>• Mar - June 2010 – Continue making selections and begin making official awards (Dates after January 29, 2010 are expected dates only and may change)</li> </ul>	Utilize current and developing efforts to enhance the understanding of watershed scale management to enhance the health of the Great Lakes. Produce and communicate information about sustainable management and values of ecosystem services important to Michigan's Great Lake systems.	DNR - Forest Mineral and Fire Management	Deb Huff 517-335-3355	Yes
	Not in RFP					

## FREQUENTLY USED ACRONYMS/ABBREVIATIONS

AOC Areas of Concern  
AQD Air Quality Division  
BEA baseline environmental assessment  
BTEX benzene, toluene, ethyl benzene, xylene  
CAA Clean Air Act  
CFC Trichlorotrifluoroethane OR Chlorinated Fluorocarbons (as a general class of chemicals)  
CGLG Council of Great Lakes Governors  
CSO combined sewer overflow  
CWA Clean Water Act  
CZM Coastal Zone Management  
DAG Department of Attorney General  
DCH Department of Community Health  
DDE dichlorodiphenyl dichloroethene  
DELEG Department of Energy, Labor & Economic Growth  
DEQ Department of Environmental Quality  
DERP Defense Environmental Restoration Program  
DMB Department of Management and Budget  
DNR Department of Natural Resources  
DOC Department of Corrections  
DOE Department of Education  
DPW Department of Public Works  
ECOS The Environmental Council of the States  
FBSD Financial and Business Services Division  
FEMA Federal Emergency Management Agency  
FTE full-time equivalent  
FY fiscal year  
GLC Great Lakes Commission  
GLI Great Lakes Initiative  
GLPF Great Lakes Protection Fund  
GLSS Great Lakes Shorelands Section  
GPS global positioning system  
GSI groundwater surface water interface  
IJC International Joint Commission  
IRP Installation Restoration Program  
LWMD Land and Water Management Division  
MCMP Michigan Coastal Management Program  
MDA Michigan Department of Agriculture  
MDE Michigan Department of Education  
MDEQ Michigan Department of Environmental Quality  
MDOT Michigan Department of Transportation  
MESB Michigan Environmental Science Board  
METH methylene chloride  
mg milligram  
mg/kg milligrams per kilogram  
mg/L milligrams per liter  
mg/m<sup>3</sup> milligrams per cubic meter  
ml milliliter  
MSP Michigan State Police  
MSU Michigan State University



MTBE methyl-tert-butyl ether  
NOAA National Oceanic and Atmospheric Administration  
NOS National Ocean Service  
NOx oxides of nitrogen OR nitrogen oxides  
NPDES National Pollutant Discharge Elimination System  
NPS nonpoint source  
NREPA Natural Resources and Environmental Protection Act, 1994 PA 451, as amended  
NSPS New Source Performance Standards  
OGS Office of Geological Survey  
OCRM Office of Ocean and Coastal Resource Management  
OGL Office of the Great Lakes  
OPPCA Office of Pollution Prevention and Compliance Assistance  
PA public act  
PAH polyaromatic hydrocarbons  
PCB polychlorinated biphenyl  
ppb parts per billion  
ppm parts per million  
PVC polyvinyl chloride  
PWSS public water supply system  
RAT Remedial Action Team  
RFP request for proposal  
RI/FS remedial investigation/feasibility study  
RRD Remediation and Redevelopment Division  
SDWA Safe Drinking Water Act, 1976 PA 399, as amended  
SIP state implementation plan  
SRF State Revolving Fund  
SSO sanitary sewer overflow  
TCA 1,1,1-trichloroethane  
TCE trichloroethylene  
USACE United States Army Corps of Engineers  
USDA United States Department of Agriculture  
U.S. EPA U.S. Environmental Protection Agency  
USEPA United States Environmental Protection Agency  
WB Water Bureau  
WDS Waste Data System  
WHMD Waste and Hazardous Materials Division