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Ohio 2011 GLRI Project List

GLRI Category	Project Title	Project Description	Watershed	Funding Amount*	Lead Applicant/Contact	Partners	Project Application Status
I.A. Toxic Substances and Areas Of Concern							
I.A.1 - Delist Areas of Concern/Beneficial Use Impairment (\$12,000,000 for 15-25 projects)				Total:	\$ 1,468,819		
Toxics & AOC	Data Collection/Analysis to Support Delisting BUI 4	Fish collection (tumor, DELTs, community composition) in 3 AOCs; could potentially remove BUI if we had this data	Maumee, Cuyahoga, and Black AOCs	\$ 177,688	OEPA/Gail Hesse	MBI	Certain
Toxics & AOC	Technical Support for Data Analysis (Includes 4 sub-projects)	Sediment removal prep work; tech support and site characterization	Maumee AOC	\$ 866,131	OEPA/Gail Hesse		Certain
		EIS for Station Road Dam	Cuyahoga AOC				
		Stage 2 Database -track BUI status and projects to be used as a tool for setting priorities for implementing projects that will lead to delisting	Maumee AOC				
		Feasibility study for sediment removal behind Gorge Dam	Cuyahoga AOC				
Toxics & AOC	Delisting BUI-11 for Degraded Aesthetics in the Cuyahoga River Area of Concern with a Floating Debris Management System	Implementation will lead to delisting BUI 11 - degraded aesthetics. It will support over 20 jobs during construction and support seasonal employment for 3-5.	Cuyahoga AOC	\$ 425,000	Cleveland - Cuyahoga County Port Authority	Cuyahoga RAP	Certain
Toxics & AOC	Maumee AOC – Ottawa River: Toxics Reduction in a Category 3 Wetland	This project focuses on toxics reduction in the Ottawa River located in the Maumee AOC with the ultimate goal of improvement of water quality, restoring beneficial uses, and eventual delisting. It complements and leverages other efforts in the Ottawa River where two projects were recently finished and four new projects are funded and underway. The implementation project will involve amending a high quality (Category III) wetland with active materials designed to sequester target contaminants and reduce toxic substance release, transport, and bioavailability.	Maumee AOC		University of Toledo		Certain
I.A.2 - Pollution Prevention and Toxics Reduction (\$3,000,000 for 10-12 projects)				Total:	\$ 423,104		
Toxics & AOC	Coal Tar Source Removal in Sandusky, Ohio	Remove as much as possible (target is 3000 gallons) of a known source of coal tar liquid containing benzo(a)pyrene adjacent to Sandusky Bay, near the river/bay entrance to Lake Erie.	Sandusky	\$ 423,104	City of Sandusky/Bob Haag	Sandusky Brownfields Committee	Certain
Toxics & AOC		Amalgam separators			City of Toledo		Not Likely
I.B. Invasive Species							
I.B.1 - Invasive Species Control (\$2,800,000 for 5-10 projects)				Total:	\$ 330,400		
Invasive Species		Invasive removal in Cuyahoga River - Crooked River Weed Management	Cuyahoga		Cleveland Metroparks	Cuyahoga NPS; Tinkers Creek Watershed Partnership	Likely
Invasive Species		Invasive species at Mentor Marsh; pilot project based on USACE study			City of Mentor/Abe Bruckman	City of Mentor, Cleveland Museum of Natural History, Lake County SWCD, USACE, BioHabitats Inc.	Not Likely
Invasive Species		Invasive species control in Tinkers Creek watershed wetland	Cuyahoga		Summit Metroparks/Neal Hess	Tinkers Creek Watershed Partnership	Not Likely

Invasive Species	Long-term Phragmites Control through the Lake Erie CWMA	Invasive species (phragmites) control on 1200 acres	Western Lake Erie Basin, OH/ Ottawa & Sandusky Counties	\$ 330,400	TNC/James Cole	Ottawa SWCD, USFWS, ODNR, Winous Pt Marsh Conservancy, other conservation clubs	Certain
I.B.2 - Invasive Species Prevention (\$1,500,000 for 4-8 projects)			Total:	\$ 1,400,000			
Invasive Species	Extending a Regional Public Outreach Campaign on AIS	Coordinate outreach regarding aquatic invasive species in the Great Lakes (hire 1-3 people)	Great Lakes	\$ 400,000	Great Lakes Sea Grant Network	Ohio Sea Grant (\$66,525)	Certain
Invasive Species	Laker Ballast Water Rapid Response Design & Deployment	Design and install a limited number of systems to introduce a wide range of low-impact biocides, into the ballast tanks of non-ocean-going vessels on the Great Lakes	Great Lakes	\$ 1,000,000	Lake Carriers Association		Certain
I.B.3 - Early Warning System for Invasive Species (\$500,000 for 1-3 projects)			Total:	\$ 498,000			
Invasive Species	Macroinvert and fish invasive species detection	Test and implement an early warning kit system to detect environmental DNA of key potential and existing fish invaders in Great Lakes, tributary, and ballast water samples.	Great Lakes	\$ 498,000	University of Toledo		Certain
I.C. Nearshore Health and Nonpoint Source Pollution							
I.C.1 - Implementation of Beach Sanitary Surveys (\$8,000,000 for 8-30 projects)			Total:	\$ 1,388,448			
Nearshore Health & NPS	Safe Beaches at Wolf Creek	Bacteria detection and elimination project	Maumee River and Tributaries; Maumee AOC	\$ 388,448	TMACOG/Kurt Erichsen		Certain
Nearshore Health & NPS		Project to address persistent problems identified in sanitary survey/E. coli; 4 projects submitted for Lakeshore, Lakeview, Century, and Vermilion Beaches		\$ 1,000,000	ODH		Certain
Nearshore Health & NPS	Maumee AOC-Wolf Creek: Passive treatment wetland to improve nearshore health and reduce nonpoint source pollution		Maumee AOC		University of Toledo		Certain
I.C.2 - Reduce Impairments and Stressors of Nearshore Waters (\$1,000,000 for 1-5 projects)			Total:	\$ 600,000			
Nearshore Health & NPS		Phosphorus detection & treatment demonstration project			University of Toledo		Not Likely
Nearshore Health & NPS	Systems Approach to Phosphorus Reduction in the Maumee Watershed	This proposal aims to reduce phosphorus loading, including dissolved phosphorus loading, from rural and agricultural landscapes to waters of western Lake Erie, the Maumee River, and its tributaries. Specific objectives include installing 50 drainage control structures, 7,500 acres of variable rate technology and 3750 acres of cover crops over three years resulting in significant nutrient and sediment load reductions	Maumee	\$ 600,000	ODNR, DSWR		Certain
I.C.3 - Watershed Remediation (\$7,500,000 for 10-15 projects)			Total:	\$ 3,711,417			
Nearshore Health & NPS	Ohio Lake Erie Nutrient Reduction Demonstration	Implement a variety of BMPs for the Loss Creek Watershed, including cover crop, whole farm conservation planning, filter area wetland, etc.	Sandusky	\$ 621,417	OEPA/Russ Gibson		Certain
Nearshore Health & NPS	Urban Watershed Forestry	Promote and implement stormwater control measures as part of Project Clean Lake		\$ 250,000	ODNR/ Drew Todd	Cleveland Metroparks	Certain
Nearshore Health & NPS		Maumee AOC: Wolf/Maumee/Ottawa Green Infrastructure Project	Maumee AOC		City of Toledo/Regina Collins	American Rivers, City of Oregon	Certain

Nearshore Health & NPS		1) Implement Cover Crops on 500 acres of agricultural land in the North Branch; 2) Implement a sub-surface drainage systems, to conserve water, increase yields, reduce nutrient loss and protect surface water; 3)Implement a research plot at the Wood County, State of Ohio Agricultural Experimental Station (demo project)			Portage River Watershed Coordinator/TMACOG	Wood SWCD, CTIC, OSU Extension, CAP	Certain
Nearshore Health & NPS	Nutrient Mgmt. for Improved Economics and Environmental Return	Cost share of nutrient management for fields identified with SWAT modeling as high potential risk for nutrient loss related to DRP	Spring Run; Sandusky River Watershed	\$ 400,000	Sandusky River Watershed Coalition	Heidelberg University NCWQR, Heritage Cooperative, local SWCD's, The Fertilizer Institute, and the International Plant Nutrient Institute	Certain
Nearshore Health & NPS		Construct several low impact BMPs in the Lake Erie basin using soil mixes they are developing to enhance phosphorus removal and sumps designed to reduce nitrogen export			University of New Hampshire Stormwater Center		Likely
Nearshore Health & NPS	Green Infrastructure at Great Lakes Mall	This project will provide additional information, design and construction assistance to create green infrastructure demonstration projects at the Great Lakes Mall. These demonstration projects will provide much needed storm water infrastructure to treat both water quality and quantity and improve the form and function of Newell/Ward Creek	Chagrin River Watershed	\$ 940,000	Chagrin WPP	City of Mentor	Certain
Nearshore Health & NPS?		Stormwater Retrofit at Lakeland CC property			Chagrin WPP	City of Kirkland	Not Likely
Nearshore Health & NPS		River bank and slope study and stabilization in the City's Cascade Park		\$ 500,000	City of Elyria		Likely
Nearshore Health & NPS	Ohio Balanced Growth Endorsed Watershed Plan Implementation	Project will install best local land use practice projects that will assist local communities with implementation of state endorsed nine element Watershed Action Plans and state endorsed Balanced Growth Watershed Plans. Project deliverables include design and construction for the retrofit to LID/green infrastructure practices of storm water management infrastructure in the Chagrin and Upper West Branch Rocky River watersheds in northeast Ohio and the Swan Creek watershed in northwest Ohio. Specific project objectives have been identified in each watershed to meet local needs.	Swan Creek, Chagrin River, and Upper West Branch Rocky River	\$ 1,000,000	Ohio Lake Erie Commission/Sandra Kosek-Sills		Certain
I.C.4 - Clean Marinas and Ports (\$200,000 for 1-3 projects)			Total:		\$ 200,000		
Nearshore Health & NPS		Combined state Phase II CMP project - 1) Developing the Great Lakes Clean Marina Network 2) Engaging Small Harbors and 3) Boater Education		\$ 200,000	Michigan Sea Grant	Ohio Sea Grant/Colleen Wellington	Certain
I.C.5 - Areal Extent and Duration of Harmful Algal Blooms (\$350,000 for 1-3 projects)			Total:		\$ 349,438		
Nearshore Health & NPS					BGSU	Blue Water Satellite	Likely
Nearshore Health & NPS	GLAMS: Great Lakes Algae Monitoring System	Map the areal extent and duration of harmful algal blooms in each of the Great Lakes and their sub-basins by integrating a combination of in situ continuously measured parameters from in lake stations, data obtained from biweekly boat cruises, and satellite data obtained on a daily basis.	Great Lakes	\$ 349,438	University of Toledo		Certain

I.D. Accountability, Education, Monitoring, Evaluation, Communication, and Partnership

I.D.1 - Education and Outreach (\$250,000 for 2-10 projects)			Total:		\$ 319,999		
Eval, Monitoring, & Partnerships	Providing tools for educators to facilitate G.L. stewardship	Purchase Enviroscape models and conduct teacher workshops	Lake Erie	\$ 200,000	ODH		Certain
Eval, Monitoring, & Partnerships		Great Lakes Climate Extension Capacity Building	Lake Erie	\$119,999	Ohio State University Ohio Sea Grant		Going to NOAA, not US EPA RFA
I.D.2 - Implementation of LaMPs, Programs, & Projects (\$2,200,000 for 8-15 projects)			Total:		\$ 364,429		
Eval, Monitoring, & Partnerships	Ohio Lake Erie Phosphorus Task Force Phase II	Phosphorus Task Force Phase II – work with agriculture retailers, producers, etc	Statewide	\$ 122,429	OEPA/Gail Hesse		Certain
Eval, Monitoring, & Partnerships	Impacts of Pulsed Nutrient Loads on Nearshore Ecosystems	While numerous satellite images illustrate connections between pollutant loading from the Maumee Watershed and sediment plumes/algal blooms in the Lake Erie Western Basin, quantification of these connections is currently lacking. This study will link the resources of charter boat captains, an analytical laboratory and an engineering firm to obtain appropriate data sets for the calibration-validation of a recently developed, high resolution, hydrodynamic water quality model for this region. That calibrated model will, in turn, support the Lake Erie LaMPs adaptive management programs.			National Center for Water Quality Research (Heidelberg University)/ Dave Baker	LimnoTech, Charter Boat Association	Certain
Eval, Monitoring, & Partnerships		We propose to coordinate the Lake Erie Lamp Public Forum to promote /achieve an effective, basin-wide implementation of LaMP Management goals. We will train and equip new and existing forum members, to engage civic and community leaders, stakeholder groups, local and regional media outlets about major Lake Erie stressors, which threaten the economic viability of the region and the health of the citizens. We will develop and maintain an interactive web-based teaching portal, which will contain the most current information as well as numerous educational video segments by leading experts.		\$ 242,000	Ohio Environmental Council		Certain