Overview

• GLRI Review

• Lake Erie Synthesis Team Project
  – Synthesis Team
  – OLEC & LEMC
  – What will be done
  – Outcomes, Outputs, Expected Results
  – Timeline

• Ohio GLRI Projects
GLRI Review
Major Themes

• Target the most significant Great Lakes issues
• Results- and action-oriented
• Fully engage Great Lakes community as implementation partners
• Transparency and accountability
Qualifiers

• Represents new resources for Great Lakes restoration – should not supplant existing resources

• Funding not to be used for traditional water infrastructure projects otherwise covered by State Revolving Funds
GLRI Plan Goals and Objectives

• Programs and actions identified for 16 federal agencies

• Objectives and the Plan are based on the Great Lakes Regional Collaboration Strategy to Restore and Protect the Great Lakes
GLRI Five Focus Areas

- Toxic Substances and Areas of Concern
- Invasive Species
- Near shore Health and Nonpoint Source Pollution
- Habitat and Wildlife Protection and Restoration
- Accountability, Monitoring, Evaluation, Communication, and Partnerships
## US EPA GLRI RFP - Finalists

<table>
<thead>
<tr>
<th></th>
<th>Submitted</th>
<th>Funded</th>
<th>%</th>
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<tbody>
<tr>
<td>Agencies</td>
<td>33</td>
<td>12</td>
<td>36%</td>
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<td>Agencies</td>
<td>$18,478,455</td>
<td>$5,739,511</td>
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<td>State Wide</td>
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<td>State Wide</td>
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<td>21%</td>
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<td>GL Basin Wide</td>
<td>1048</td>
<td>270</td>
<td>26%</td>
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<tr>
<td>GL Basin Wide</td>
<td>$942,325,985</td>
<td>$163,567,948</td>
<td>17%</td>
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- GL Basin Wide 17% of projects were funded by $ and 26% by quantity submitted.
- Ohio projects were 21% and 25% respectively.
- Ohio agency projects were 31% and 36% respectively.
Lake Erie Synthesis Team Project
Ohio Lake Erie Commission

Mission:
Protect & Restore
Lake Erie
Lake Erie Millennium Network Coordination Team

• Jan Ciborowski  
  University of Windsor, Great Lakes Institute for Environmental Research

• Jeff Reutter  
  Ohio State University, Ohio Sea Grant and Stone Laboratory, Director

• Russell Kreis  
  US EPA, Office of Research and Development, Large Lakes Research Station

• Chris Marvin  
  Environment Canada
LEMN Objectives

1. Bi-national and permanent with 2 academic and 2 agency leads
2. Voluntary, non-regulatory, and inclusive: US and Canada, all 4 states and Ontario, academia, agencies, private sector, NGOs, etc.
3. Fundable by any agency or group
4. Add value to existing programs
5. Enhance collaboration and communication of research, education, and outreach results and priorities within the region
LEMN Objectives

6. Assist the IJC Council of Great Lakes Research Managers in developing and implementing their Great Lakes Research Strategy

7. Assist the Binational Executive Committee and the Lake Erie LaMP in establishing regional research priorities for the CSMI and in communicating research results

8. Better coordinate academic research scientists and enhance interactions between academic and agency scientists
LEMN Objectives

9. Provide a single point of contact for all research scientists on the Lake
10. Build research capacity
11. Facilitate rapid response to RFPs
12. Develop research information network to support GLRC
LEMN Objectives

13. Identify and clarify research priorities and issues and the science questions to address these.


15. Facilitate development of proposals to address above priorities and issues.
Synthesis Project Description

• Strategic implementation of GLRI projects
• Multi-organization synthesis team of Lake Erie scientists and managers
• Summary and Synthesis reporting
• Education and Outreach
• Model for other Great Lakes
Lake Erie Synthesis Team

Jeff Reutter, Ohio Sea Grant College Program
Ed Hammett, Ohio Lake Erie Commission
Sandra Kosek-Sills, Ohio Lake Erie Commission
Gail Hesse, Ohio EPA
Roger Knight, ODNR-Sandusky Fisheries
Frank Lopez, ODNR - Old Woman Creek NERR
John Watkins, ODNR – Coastal Management
Dick Bartz, USGS-Ohio Water Science Center
Steve Davis, NRCS - USDA
Cheryl Rice, NRCS - USDA
Dan O'Riordan, U.S. EPA-Region 5
Jan Ciboroski, University of Windsor
Eddie Herdendorf, Ohio State University
Eric Obert, PA Sea Grant
Anthony Sasson, The Nature Conservancy in Ohio
Kristy Meyer, Ohio Environmental Council
Gildo Tori, Ducks Unlimited, Inc.-Great Lakes Region
Role of Lake Erie Synthesis Team

- Prepare clear and concise annual summaries and synthesis
- Explain the results and their implications for all projects
What Will Be Done

• Develop a Synthesis Team for all management and research projects co-chaired by OLEC and LEMC

• Glean project results from the Great Lakes Accounting System (GLAS) and put into Ohio Sea Grant’s Electronic Reporting system (OSGER) to provide the Synthesis Team with a simple way to track and summarize/synthesize management, implementation and research projects

• Produce a clear and concise annual summary and synthesis report (10 pages or less) of GLRI activities for managers, decision makers, elected officials, and the public
What Will Be Done

• Track progress against the Lake Erie Protection & Restoration Plan 2008 and integrate the results into the next Plan update

• Develop and maintain a simple, user friendly, web-based outreach platform to help laypeople understand and track the progress of projects in Ohio by watershed, county, and state/ federal house and senate jurisdiction

• Conduct two forums for managers and research scientists, one for priority setting and proposal planning and one to discuss results and implications
What Will Be Done

• Produce for the public: newsletter articles, press releases, fact sheets, and other appropriate materials which will inform managers, elected officials, citizens and decision makers of the progress made toward restoration of Lake Erie and specifically with GLRI funding.

• Invite all states bordering Lake Erie and Ontario to participate in the planning and synthesis activities

• Share results with other Great Lakes states
Outcomes

• Research projects are focused on management needs
• Project costs are minimized
• Management decisions concerning the Great Lakes are informed by best science
• Stakeholders understand Great Lakes issues, research needs, and management implications
• Results present integrated and scaled data from watersheds to lakes to Great Lakes basin-wide and are public-friendly, timely, and available on the Internet
• Scientists have greater involvement in LaMP activities
• The public and elected officials achieve greater understanding of LaMP actions and accomplishments
• Great Lakes stakeholders have increased opportunities to provide input to managers and scientists on Great Lakes concerns
Outputs

- Internet-based technology providing increased opportunities for collaboration, planning, data accessibility, and accountability
- Lake Erie ecosystem improvements through implementation of better integrated, more holistic projects
- Citizens educated about the GLRI and the benefits of projects being implemented
- Educational opportunities provided to target audiences including public meeting presentations, conferences, forums, workshops, public events, and trade shows
Expected Results

• Increased number of stakeholders
• Increased involvement by cities, local governments, the faith-based community, and others
• Increased collaborative partnerships
• Increased awareness by managers and scientists
• Increased visibility and promotion of the strategic direction of the combined portfolio of projects
Timeline

Summer 2010
- Meetings
- Develop initial materials
- Report to GLAS

Fall 2010
- Forum #1
- PR & News
- Report to GLAS

Winter 2011
- Forum #2
- Web Presence
- Release annual synth report

Spring 2011
- Mine GLAS
- Data Collection
- Outreach
Timeline

- Summer 2011: Synth Team Meetings
- Fall 2011: Forum #3
- Winter 2012: Forum #4
- Fall 2011: Data Collection Mine GLAS
- Winter 2012: Data Collection Mine GLAS
- Fall 2011: Outreach Web Presence
- Winter 2012: Outreach PR & News
- Spring 2012: Outreach Release Annual Synthesis Brief
- Summer 2011: Reports Release LEPR 2011
- Fall 2011: Reports Report to GLAS
- Winter 2012: Reports Report to GLAS
Ohio Awarded
GLRI Projects
Toxics & Areas of Concern ($2.46M)

- Cuyahoga AOC Urban Riparian Habitat Restoration Phase 1 (Cuyahoga Co Engineer’s Office) $1.4M
- Ottawa River Watershed Scrap Yard Pollution Prevention Program (City of Toledo) $270K
- Prevention of Surface Water Contamination from Biosolids Application (UT) $550K
- Installation Incentives for Dental Amalgam Separators (NEORSD) $250K
Invasive Species ($1.34M)

- Phragmites Control in W. LE Coastal Wetlands (The Nature Conservancy) $497K
- Invasive Plant Prevention and Control, Grand River Watershed (TNC) $844K
Nearshore Health & Nonpoint Source Pollution ($3.72M)

Ohio Agency Projects

- TMDL for Ottawa River (Lima) Watershed (OEPA) $250K
- Cuyahoga County Surface Water Improvement Fund (OEPA) $1M
- Toledo Harbor Sediment Management and Reuse (OLEC) $250K
- Phosphorus Reduction: Variable Rate Technology Program (OEPA) $202K
- Improving Communication about Beach Water Quality (ODH) $100K
- Sanitary Surveys to Reduce Pollution at Lake Erie Beaches (ODH) $249,511
Nearshore Health & Nonpoint Source Pollution (cont)

- Process Based Predictive Models for Complex Urban Beaches (NEORSD) $248K
- Innovative Rapid Identification of LE Fecal Source (OSU) $250K
- Holistic Watershed Approach to Health at Huntington Beach (Cuyahoga Board of Health) $248K
- Rapid Method Data Comparison at Bathing Beaches in Ohio (NEORSD) $88K
- Selective, Multiplexed, Real-time Detection of Bacteria (Northeast Ohio Univ., College of Medicine) $225K
- North Central Ohio Sediment Reduction Project (Huron SWCD) $812K
Habitat & Wildlife Protection & Restoration ($8.64M)

Ohio Agency Projects

- Cuyahoga AOC Habitat & Fish Restoration Opportunities (ODNR) $500K
- North Bass Island Restoration (ODNR) $125K
- Reforestation of Maumee Bay & MJ Thurston State Parks (ODNR) $168K
- Ashtabula AOC Habitat Restoration (OEPA) $1.5M
Habitat & Wildlife Protection & Restoration (cont)

- Restoring Ottawa River Wetlands & Habitat in the Maumee AOC (PCS) $1.37M
- Wet Prairie Restoration in the Maumee AOC (NC) $1.45M
- Cuyahoga AOC Urban Riparian Habitat Restoration Phase 2 (Cuyahoga Engineer) $1.5M
- Lacustrine Refuge in Cuyahoga AOC (Cuyahoga SWCD) $1.4M
Accountability, Monitoring, Evaluation, Communication, and Partnerships ($1.40M)

Ohio Agency Projects

• Ohio Comprehensive Lake Erie Nearshore Monitoring Program (OEPA) $1.19M

• Lake Erie Synthesis & Coordination Team (OLEC) $200K
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