

# **The Great Lakes National Program Office Activities and Contract Support**

**David Cowgill  
U.S. EPA**

**Great Lakes National Program Office**

**November 8, 2011**



# Presentation Outline

- Great Lakes National Program Office Overview
- Great Lakes Legacy Act (GLLA) Overview
- Contract Support Update
- Project Examples

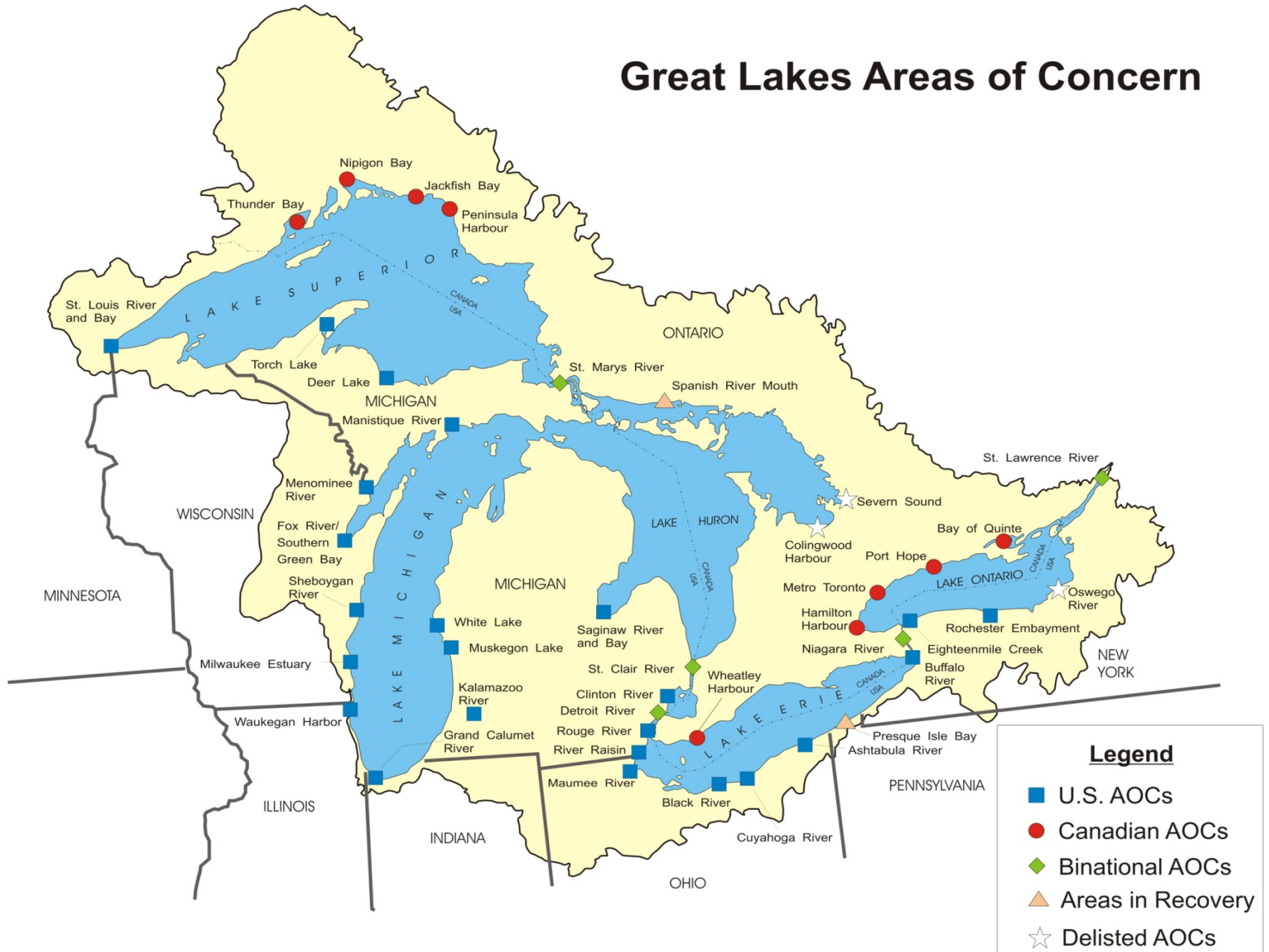


# Great Lakes National Program Office

- Implement the Great Lakes Restoration Initiative
- Implement contaminated sediment cleanups under the Great Lakes Legacy Act authority and funding.
- EPA's first geographically-based program office.
- Established in 1978 to oversee U.S. efforts to implement Great Lakes Water Quality Agreement with Canada.
- EPA's focal point for Great Lakes coordination and information.
- Coordinates within EPA and with other federal and state agencies' Great Lakes ecosystem protection and restoration efforts, and with Canadian government.
- Implements Great Lakes monitoring program.



# Great Lakes Areas of Concern





# Great Lakes Restoration Initiative (GLRI)

- FY2010: \$475 million
- FY2011: \$300 million
- FY 2012 request \$350

FY2010 – FY2014

## Great Lakes Restoration Initiative Action Plan

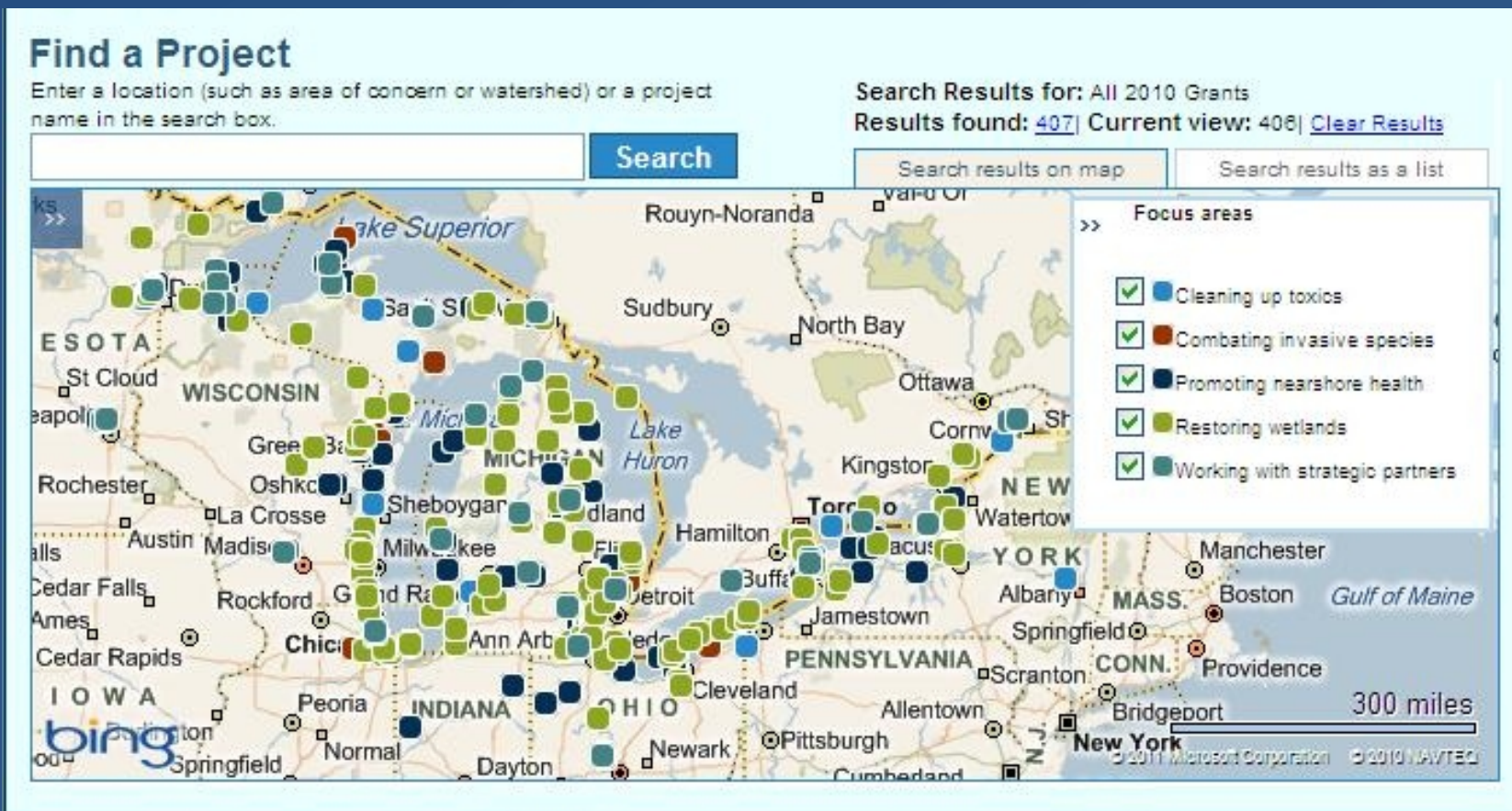


February 21, 2010

White House Council on Environmental Quality  
U.S. Department of Agriculture  
U.S. Department of Commerce  
U.S. Department of Health and Human Services  
U.S. Department of Homeland Security  
U.S. Department of Housing and Urban Development  
U.S. Department of State  
U.S. Department of the Army  
U.S. Department of the Interior  
U.S. Department of Transportation  
U.S. Environmental Protection Agency



# Turning Projects Into Action



# GLNPO Mission Support Contract

## **Battelle - (prime)**

(team subs) **Enviro Science, Scientific Consulting Group, Special Technology Solutions**

### Key tasks

- Great Lakes Restoration Initiative Support

  - Outreach and Coordination

  - Reporting

  - Strategic Planning, Evaluation and Accountability

  - Focus Area Support

- Great Lakes Water Quality Agreement Support

- Executive Order 13340 Support

  - Interagency Task Force, Regional Work Group and Great Lakes Collaboration Support

- Administration and Policy Priorities

- Information Technology/GIS Support

- Education and Outreach Support



# **Great Lakes Legacy Act Contract Support:**

**Great Lakes Architecture Engineering Services  
(GLAES)**

***Great Lakes National Program Office Construction  
Services (GLNPOCS)***





# GLAES Key Tasks / SOW Elements

- Site Characterizations
- Remedial Investigation
- Feasibility Study
- Risk and Impact Assessment
- Habitat Evaluation
- Habitat Restoration Design
- Remedial Design
- Review of Non-Federal sponsors submittals
- Real Property Support
- Quality Assurance



# GLAES Awardees

- EA Engineering (prime)
  - HDR, BAH, Somat Engineering
- CH2MHill (prime)
  - Affiliated Researchers, BioHabitats, CSC, Oneida Total Integrated Enterprises, Michigan Tech University



# GLNPOCS Key Tasks / SOW Elements

- Review Engineering Designs
- Project Planning
- Remedial Action
- Construction Support
- Post Construction RA / Post Construction Assistance
- Habitat Restoration
- Site Security and Maintenance
- Sampling and Analytical Support
- Community Involvement
- Records Management, Administrative and Logistical Support
- Technical Assistance



# GLNPOCS Awardees

- EQ (prime)
  - Team subs – AECOM, Severson and ECT
- Ryba-Terra
  - Joint Venture
    - Ryba Marine
    - Terra Contracting
  - Team subs – TechLaw and Pizzo & Associates
- Great Lakes Sediment Remediation (GLSR)
  - Joint Venture
    - Natural Resource Technology (NRT)
    - Brennan Marine
    - Environmental Restoration (ER)





# Great Lakes Legacy Act

- ⇒ Goal: Accelerate the pace of sediment remediation at Areas of Concern (AOCs)
- ⇒ Mechanism: Use collaborative approach to conduct sediment remediation
- ⇒ Minimum 35% Non-Federal match required



# GLLA Project Types

Must be in U.S. Areas of Concern (AOCs) and:

- 1) Implement a plan to remediate contaminated sediment (highest priority)
- 2) Monitor or evaluate contaminated sediment
- 3) Prevent further or renewed sediment contamination
- 4) Habitat Restoration in conjunction with sediment remediation
- 5) Site Characterization at 100% Federal funding



# R/V Mudpuppy II



# Examples of GLLA Projects

- Ottawa River;  
*Maumee River AOC*
- West Branch Grand Calumet River –
  - Reaches 3,4,5; *Hammond, IN*
  - Roxana Marsh; *East Chicago & Hammond, IN*
- Kinnikinnic River;  
*Milwaukee Estuary AOC*







# Ottawa River Toledo, OH





# Ottawa River Toledo, OH



04.06.2010 10:02



# Ottawa River Toledo, OH





# Ottawa River Toledo, OH



# West Branch Grand Calumet River

-Hammond Reach

- Roxana Marsh

Grand Calumet River AOC

Started: 2010

Completed: 2011

Lake Superior

Lake Huron

Lake Michigan

Lake Erie



0 25 50 100 150 200  
Miles





# West Branch Grand Calumet River





# West Branch Grand Calumet River

**Geomesh**

**01/20/2010**





# West Branch Grand Calumet River



**Activated Carbon Mat**





# West Branch Grand Calumet River *Capping*









**Kinnickinnic River**  
**Milwaukee, WI**  
**May 2009-October 2009**





# Kinnickinnic River

Project Area

Milwaukee Harbor

Milwaukee CDF

Image © 2011 TerraMetrics  
© 2010 Google  
Image U.S. Geological Survey  
© 2010 Europa Technologies

Google

lat 43.008976° lon -87.900775°

elev 590 ft

Eye alt 7437 ft



# Kinnickinnic River - Before

**Over 18 feet of deposition**





# Kinnickinnic River

## Utility Relocation Measures



# Kinnickinnic River









# Kinnickinnic River

## Placement of Sand Cover



# Kinnickinnic River - After





# The R<sup>3</sup> concept for Sediment Remediation

Remediation



Restoration



Revitalization





[GREATLAKESRESTORATION.US](http://GREATLAKESRESTORATION.US)



# For More Information

**David Cowgill**

**USEPA-Great Lakes National Program Office**

**77 W. Jackson Blvd. (G-17J)**

**Chicago, IL 60604**

**312-353-3576**

**[cowgill.david@epa.gov](mailto:cowgill.david@epa.gov)**

**[www.epa.gov](http://www.epa.gov)**

**[www.glri.us](http://www.glri.us)**



# Questions?

