



FEMA

# Great Lakes Flood Hazard Mapping Program



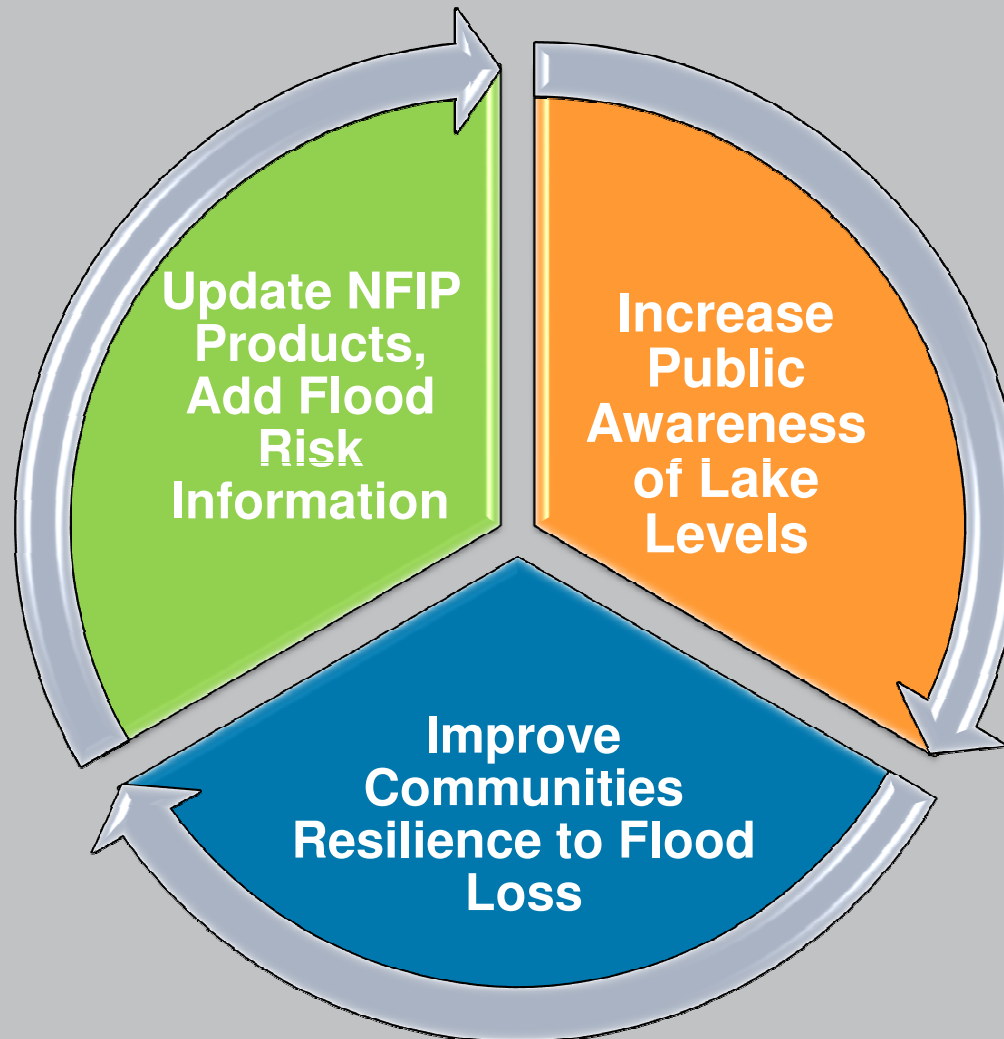
**The initiative is a system-wide solution that provides a comprehensive analysis of storm and high water events within the Great Lakes Basin**

**RiskMAP**

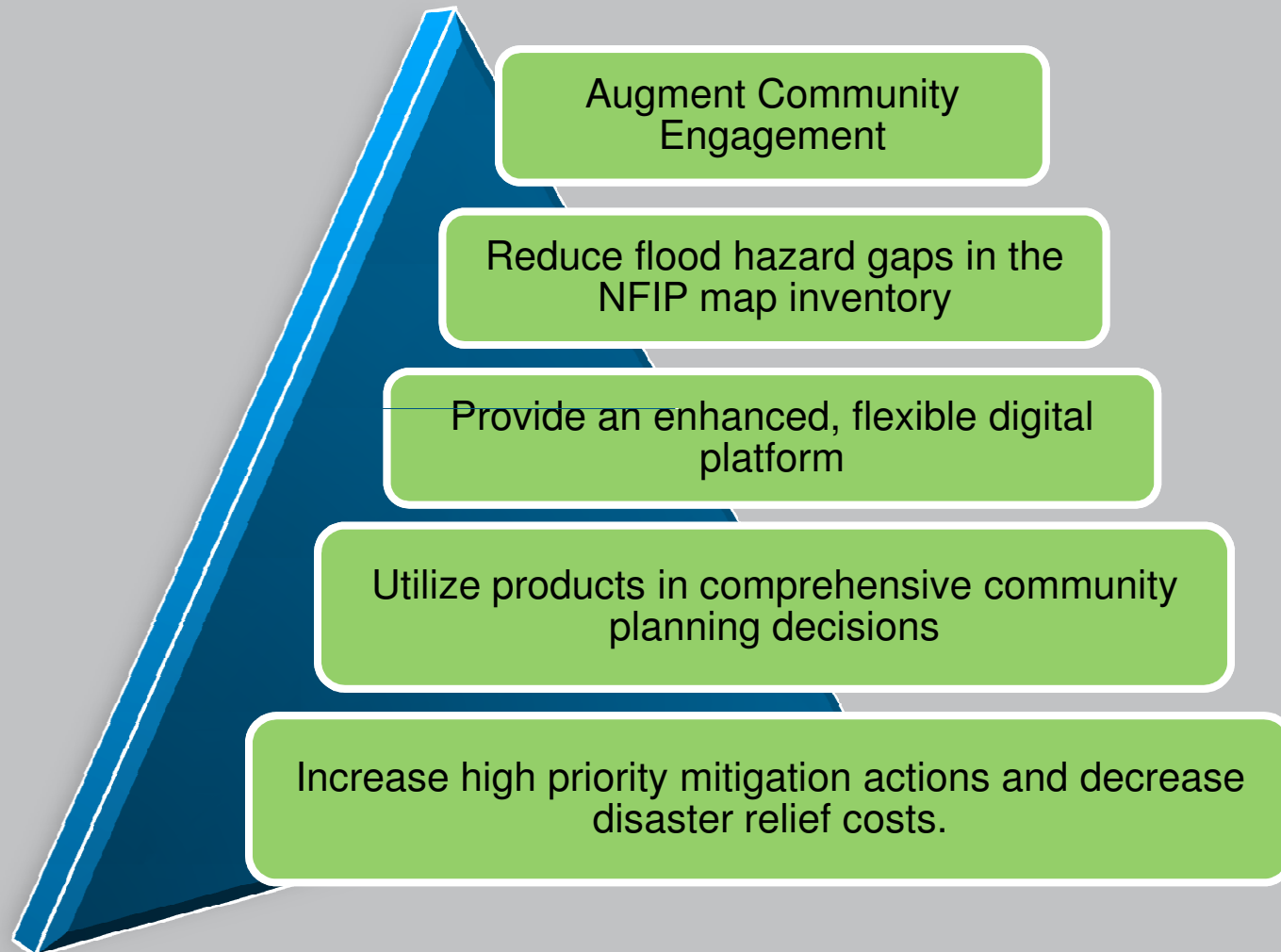
Increasing Resilience Together



# Vision



# Strategic Objectives







# Great Lakes Program Governance

Committees	Steering	Technology	Geospatial	Outreach
<b>GLC Group Members</b> *Active members # Coordinator of Committee	#*FEMA Region 5 *FEMA Region 3 *FEMA Region 2 *USACE-ERDC *ASFPM IJC NOAA	#*USACE -ERDC *FEMA R2, R3, R5 *ASFPM *STATES USGS NOAA	#*USACE *FEMA R2, R3, R5 *ASFPM *NOAA *STATES *USGS	#*USACE *FEMA R2, R3, R5 *FEMA EA *ASFPM *STATES NOAA EPA
Contract Support	STARR & RAMPP			
	Accenture			
Strategic Alliance	FEMA HQ-Risk Analysis Division			

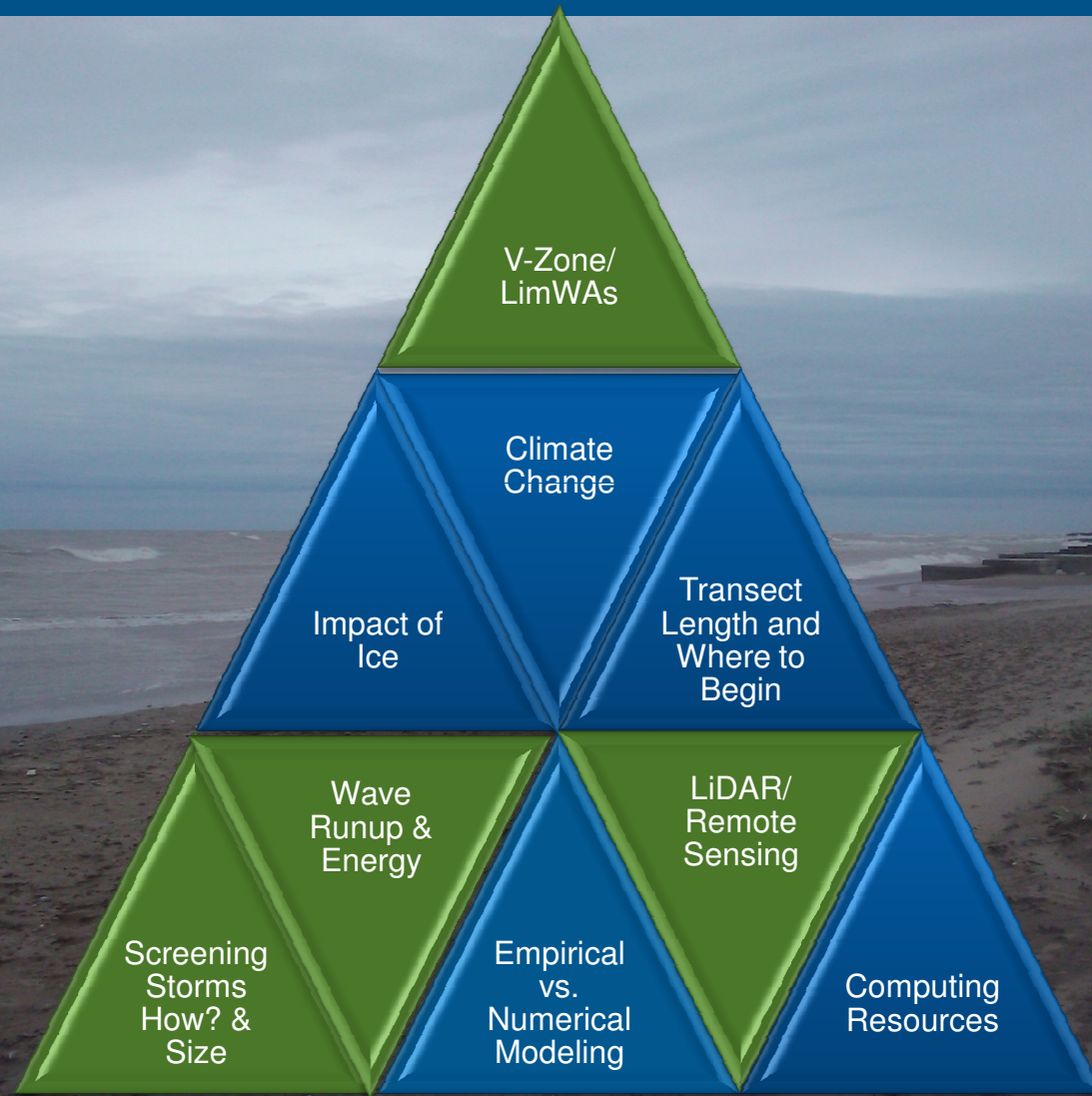
## Legend

ASFPM= Association of State Floodplain Managers  
 EA= External Affairs  
 ERDC= Engineer Research and Development Center  
 FEMA= Federal Emergency Management  
 IJC= International Joint Committee Canada & US  
 NOAA= National Oceanic and Atmospheric Administration  
 USACE= US Army Corps of Engineers  
 USGS= U.S. Geological Survey  
 EPA= Environmental Protection Agency

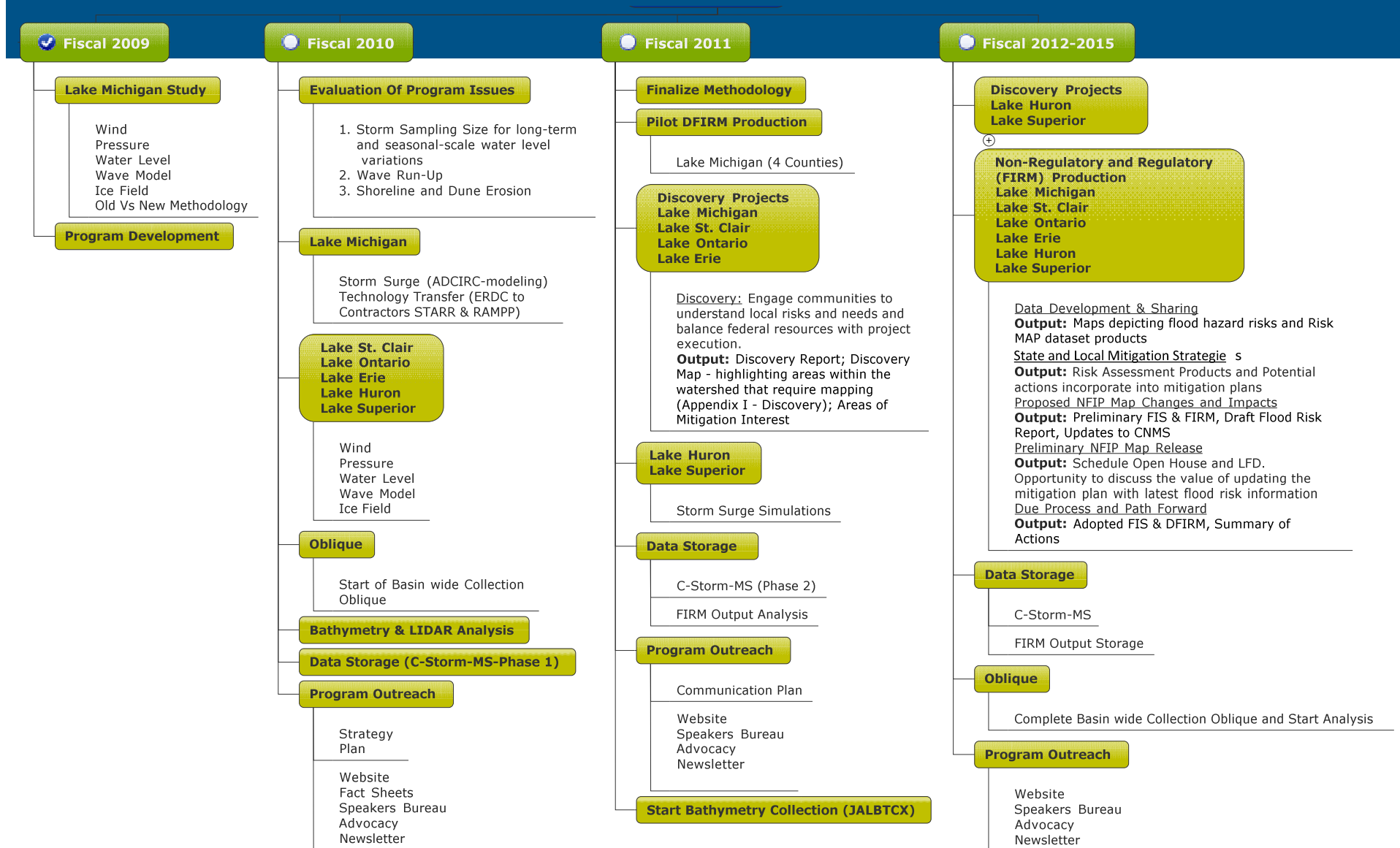
-  = Execute program decisions
-  = Expedite subprojects initiated by the Steering Committee
-  = Observe, provide feasibility assessment as needed, develop work products
-  = Maintain strategically the Risk MAP related endeavors and objectives



# Program High Level Risks and Issues



# High Level Program Planning



# 2010 Project Outputs

USACE/ERDC



- Oblique Partial Collection (Lake Michigan) & Viewer
- Oblique Analysis
- Lake Michigan & Lake St. Clair Basinwide model (Data Analysis, Model Set Up, Wave & Water Level Production Modeling)
- Web Interface to Access supporting data “CSTORM-MS” (Coastal Storm Modeling System)
- Focus Studies (Wave Run-up, Beach Erosion, Storm Sampling)
- Program Outreach Strategy
- Technology Transfer Group

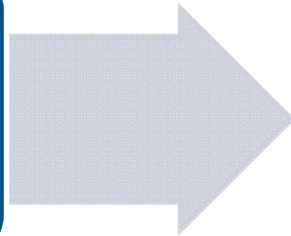
ASFPM



- Fact Sheets
- Website
- Speakers Bureau
- Advocacy
- Pilot Newsletter

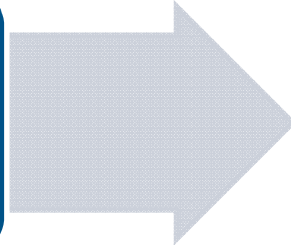
# 2010 Project Outputs

STARR  
Contractors



- **Lake Superior & Lake Huron Basinwide model (Data Analysis, Model Set Up)**

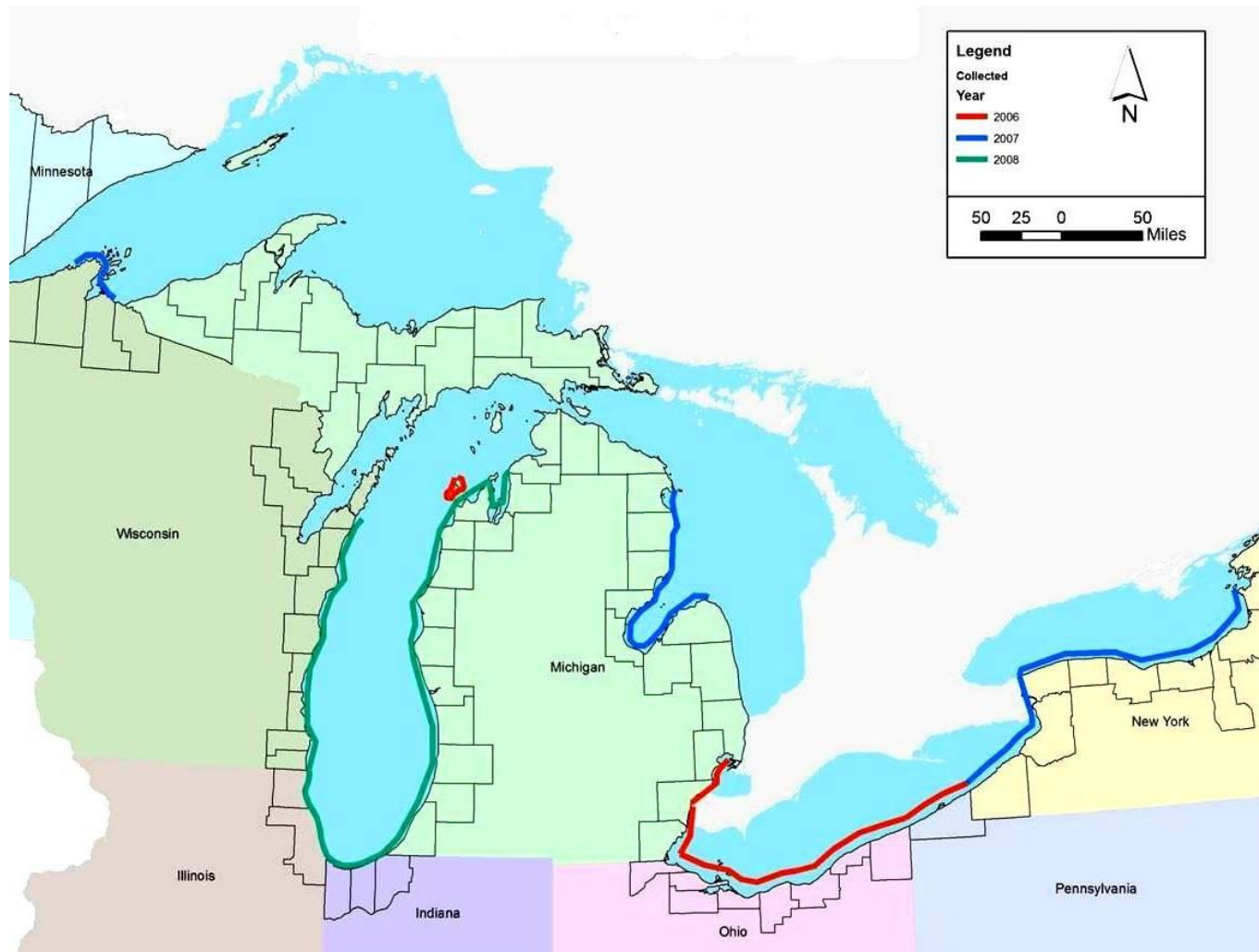
RAMPP  
Contractors



- **Lake Ontario and Lake Erie Basinwide model: (Data Analysis, Model Set Up, Wave & Water Level Production Modeling)**



# Status of Shoreline Bathymetry



# Questions & Stakeholder Expectations

- **Website: <http://www.greatlakescoast.org/>**

- **Fact Sheets on Website to Download.**

**Program Summary:**

**[http://greatlakescoast.org/pubs/factSheets/GLCFMP\\_Summary\\_fact\\_sheet.pdf](http://greatlakescoast.org/pubs/factSheets/GLCFMP_Summary_fact_sheet.pdf)**

**Water Levels:**

**[http://greatlakescoast.org/pubs/factSheets/GL\\_Water\\_levels\\_fact\\_sheet.pdf](http://greatlakescoast.org/pubs/factSheets/GL_Water_levels_fact_sheet.pdf)**

- **Bathymetry:**

**<http://shoals.sam.usace.army.mil>**

**Data from the Joint Airborne LiDAR Bathymetry Technical Center of Expertise, (JALBTCE) collected 2006-2008**



Great Lakes Coastal Flood Mapping Program - Windows Internet Explorer

http://www.greatlakescoast.org/

Edit View Favorites Tools Help

Julie Tochor » Great Lakes Coastal Fl...

Great Lakes Coastal Analysis & Mapping Additional Resources Contact Information Site Map

# Great Lakes Coastal Flood Mapping Program

Welcome to GreatLakesCoast.org

- Great Lakes Coastal Analysis & Mapping
  - Wind Surge Study
  - Coastal Hazard Analysis & Mapping
  - Great Lakes Flood Zones Overview
  - Outreach
- Additional Resources
- Contact Information
- Site Map

Search for:

Search

## Presentations from 2011 NYSFSMA Conference

May 13, 2011 — Great Lakes Coast

The following two presentations related to the Great Lakes Coastal Flood Mapping Program were presented at the New York State Floodplain and Stormwater Managers Association (NYSFSMA) Conference on April 28th, 2011. Use the links below to view the presentations from US Army Corps of Engineers and Baird:

- [USACE Presentation from NYSFSMA](#)
- [Baird Presentation from NYSFSMA](#)

Posted in [Presentations](#).

Tags: [Baird](#), [Conferences](#), [NYSFSMA](#), [USACE](#).

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## Comprehensive Elevation Inventory for the United States Now Available


May 4, 2011 — Great Lakes Coast

News from [NOAA Coastal Services Center](#):

**Topographic and Bathymetric Data Inventory:**  
<http://www.csc.noaa.gov/topobathy/>

The first comprehensive inventory of elevation data sets for the nation is now available. [NOAA](#) and [FEMA](#) have worked together to inventory elevation data, both topographic and bathymetric, for all 50 states and Puerto Rico.

The NOAA inventory initially focused on coastal elevation data, and a partnership with FEMA allowed expansion to the interior of the country. The inventory's data viewer provides



### Archives

- [May 2011 \(2\)](#)
- [April 2011 \(2\)](#)

### Categories

- [Data \(1\)](#)
- [Fact Sheets \(1\)](#)
- [Presentations \(1\)](#)

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