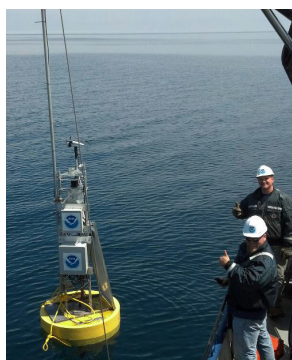




# Accountability, Education, Monitoring, Evaluation, Communication, and Partnerships *funded by the Great Lakes Restoration Initiative*

The Great Lakes Restoration Initiative Action Plan requires oversight, monitoring, assessment, and coordination to succeed. NOAA is contributing to these needs by providing a coordinated network of scientific observations, information for decision makers about the impacts of climate change, and the implementation of adaptive management through the Lakewide Management Plan (LaMP) process. These projects are helping provide the scientific data, education, and collaboration necessary to sustain this investment in Great Lakes restoration.



## Implementing a Great Lakes Observing and Response System

This project is focusing on the design and implementation of the Great Lakes Observation and Response System to coordinate and integrate regional coastal observations supporting national and

regional priorities including Great Lakes restoration. GLRI funds are being used to support a federal data management and communications system, modeling and decision support tools, and on-water observation system components focused on Areas of Concern and restoration projects.

## Coordinating Implementation of Lakewide Management Plans

The GLRI is providing support for an enhanced process of developing and implementing Lakewide Management Plans for each of the five Great Lakes. As part of this effort, NOAA is using the Coastal Change Analysis Program (C-CAP) for updates on Lakes Erie and Ontario.

## Establishing a Great Lakes Bay Watershed Education and Training (B-WET) Program

B-WET is a NOAA environmental education program for K-12 students. It offers competitive grants to support existing education programs, foster the growth of new programs, and encourage development of program partnerships.

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## Enhancing Climate Change Information and Creating Resilient Communities

The goal of addressing climate adaptation and mitigation is important to NOAA, and NOAA is working to create an informed society that is anticipating and able to respond to climate change and its impacts. NOAA's efforts in the Great Lakes focus on the collection of baseline climate data, increasing the understanding of climate change impacts, and customizing adaptation strategies within Great Lakes communities to enable informed decisions throughout the basin.

### This includes:

- Extending existing regional climate models, creating a larger set of possible climatic outcomes, and broadening current models to include 3-D visualization and ice cover.
- Working with regional and state partner organizations to develop and implement a community-focused approach to assessing and managing the impacts of climate change.
- Producing an online lake level viewer that will accommodate higher lake level and lower lake level scenarios, enabling stakeholder groups to visualize potential impacts of such changes in lake levels.

