

## Proposal for CZM Projects of Special Merit Competition – FY2021

# CALM

### **Collaborative Action for Lake Michigan Coastal Resilience** *Enhancing Coastal Hazard Resilience Efforts on Wisconsin's Lake Michigan Shoreline*

*Bluff erosion impacts Lake Michigan shoreline in Oak Creek, Wisconsin*

#### **The Challenge**

High lake levels in recent years exacerbated erosion and flooding hazards on Wisconsin's Lake Michigan shoreline. Lake levels are currently dropping which will present different hazards associated with low water levels. Many past and ongoing local and regional efforts have tried to address coastal hazards; however, despite their successes, there is still an ongoing need to increase community capacity to address these enduring coastal hazards.

#### **Project Description & Scope**

The main objective of CALM is to support the Wisconsin Coastal Management Program's (WCMP) 2021-2025 Coastal Hazards Strategy to increase coastal resilience in Wisconsin by expanding coordination efforts among agencies, organizations, and local governments while sustaining existing coastal management networks and communities of practice (CoP).

CALM will leverage opportunities to share lessons learned and promote products and tools; support ongoing local and regional coastal resilience efforts; and build on the work of the Wisconsin Coastal Management Data Infrastructure (WICDI) project to assist agencies and communities in developing and revising coastal hazard policies through outreach and data development and management.

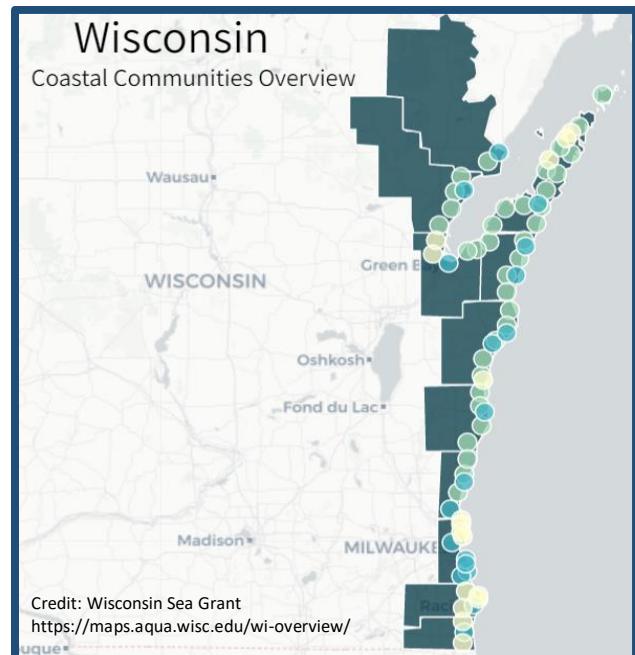
The WCMP, in partnership with Wisconsin Sea Grant and UW Madison State Cartographer's Office, submitted a

proposal for CALM to the Projects of Special Merit grant competition funded by NOAA through Section 309 of the Coastal Zone Management Act.

**Project Budget:** \$250,000

**Project Period:** 18 months

**Project Scope:** Wisconsin's Lake Michigan shoreline including Green Bay



Wisconsin's Lake Michigan coastal municipalities – counties (blue boxes), cities (blue points), villages (yellow points), and towns (green points).



A house in Southeastern Wisconsin teeters over the edge of a bluff after coastal storms and waves eroded the shoreline 40 feet in four years.

## Objectives

- **Build upon existing coastal management networks and expand them into a common network**  
*to de-silo agencies, organizations, local governments, and existing coastal management networks and communities of practice.*
- **Expand the use of the WICDI database**  
*to increase the standardization, accessibility, and utility of coastal geospatial data.*
- **Adapt the Southeastern Wisconsin Coastal Resilience Project website for CALM**  
*to support learning throughout the Lake Michigan Region and enhance local hazard policies through access to technical resources and case studies.*
- **Inventory of projects leading to the development or revision of ordinances and policies**  
*to promote coordination of projects and policies and encourage future action by coastal communities.*
- **Develop a long-term management plan for CALM**  
*to ensure the long-term sustainability of the network.*

## Approach

The project framework is designed to expand coordination efforts in the Lake Michigan region while sustaining local efforts. There is value to having both local efforts in the region but also collaboration across it. This network will serve to add structure to current efforts by allowing groups to continue to collaborate, share information, and work on hazard reduction goals together. Coordinating communities of practice and coastal management networks at this scale will be integral to unifying coastal hazards policies within the context of long-term resiliency for Lake Michigan's coastal zones.

The tasks that will be accomplished during this project are 1) establish the CALM network and a sustainability plan; 2) facilitate meetings and host workshops, case study presentations, demonstrations of decision support tools and guidance documents, and discuss collaborative action; 3) rebrand the SE WI Coastal Resilience Project website; 4) develop inventories of relevant funding opportunities and hazards projects in Wisconsin that have led to a policy change; and 5) foster the coordination of local CoP and WICDI's approach to collaborative mapping and database development.

## Outcomes

<b>1</b>	Increased collaboration and capacity to address coastal hazards.
<b>2</b>	Development, revision, or adoption of local ordinances, plans, and policies.
<b>3</b>	Regional prioritization of hazards to address through collaborative action.

By coordinating both new and existing communities of practice, coastal management networks, agencies, organizations, and local governments, CALM can leverage and share lessons learned, case studies, and data infrastructure with a history of success to continue propelling coastal hazard efforts in Wisconsin forward.

**Lydia Salus | Project Coordinator**

Wisconsin Coastal Management Program & Wisconsin Sea Grant

[lsalus@wisc.edu](mailto:lsalus@wisc.edu)

