

Building Coastal Resilience in Southeastern Wisconsin through Research, Education, and Collaboration

Wisconsin Coastal Beaches Working Group 2019 Spring Meeting
Racine, WI

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Wisconsin Coastal Management Program



NOAA Coastal Resilience Project Overview



3-year effort funded by the NOAA Coastal Resilience Grants Program

Collaboration between:



Objective: Enhance the capacity of local governments in Southeastern Wisconsin to prepare and plan for coastal hazards to their bluffs, beaches, and waterfront infrastructure

Coastal Hazards in SE Wisconsin



Coastal Resilience Project Overview



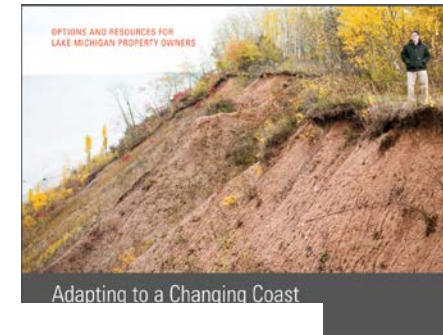
Enhance community capacity to
prepare and plan for coastal hazards in
Southeastern Wisconsin

Organize a Community of Practice

Evaluate and Map Shoreline
Recession

Create Guidance on Risk-
Reduction Practices

Identify and Implement Local
Resilience Opportunities



Understanding Coastal Hazard Impacts

Knowing the locations, populations and properties that are vulnerable to coastal hazards is the starting point to developing resilient strategies to reduce the risk and avoid losses.

Understanding Coastal Hazard Impacts	Yes	No	?	Comments
1) Has your community identified or documented the damage and/or cost of past coastal hazards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
2) Do updated maps or spatial data exist that identify areas at risk to coastal hazards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
3) Are there any estimates of the future financial losses that may result from coastal hazards, including losses to private property, public property, infrastructure and utilities?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
4) Is your community aware of pathways for contaminants to enter the lake due to coastal hazards, such as erosion of contaminated land?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

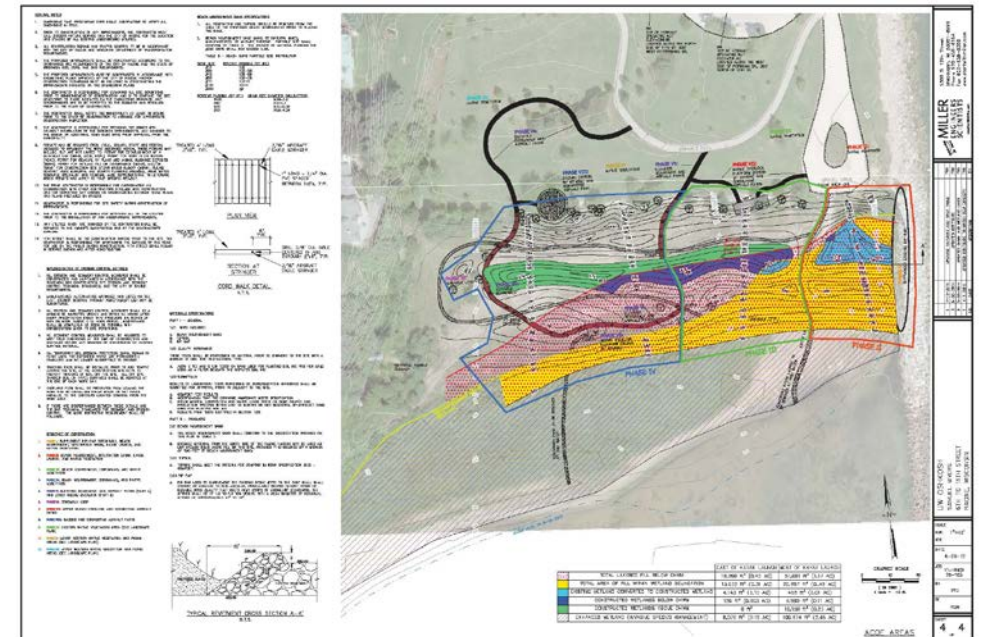
Erosion & Storm Resilient Beach Practices



Importance of beaches/current efforts

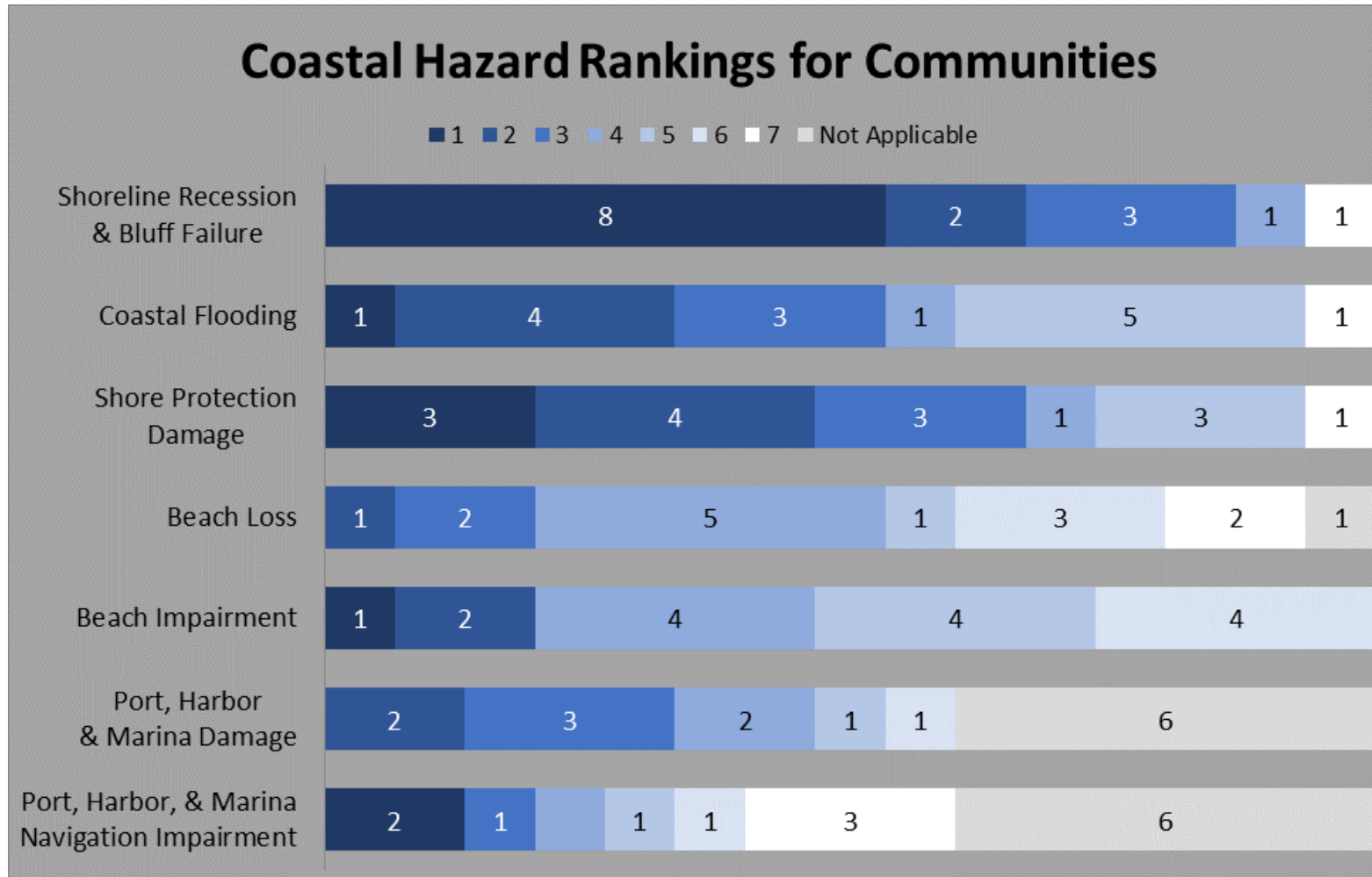
High energy environment, coastal storms, water level impacts, precipitation

Influence planning, restoration, maintenance



Resilient Self-Assessment

Provide a starting point to identify opportunities to increase a community's resilience to coastal hazards



Beach Resiliency Guidance

- Guidance booklet
- Fact sheet
- Beach resiliency is the ability of a beach to, by nature or design, respond to, recover from, and prepare for forces of human nature or activities without losing desired attributes.
- Stressors, management
- Environmental, economic and social assessments
- Case studies
- Outreach



Thank You

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