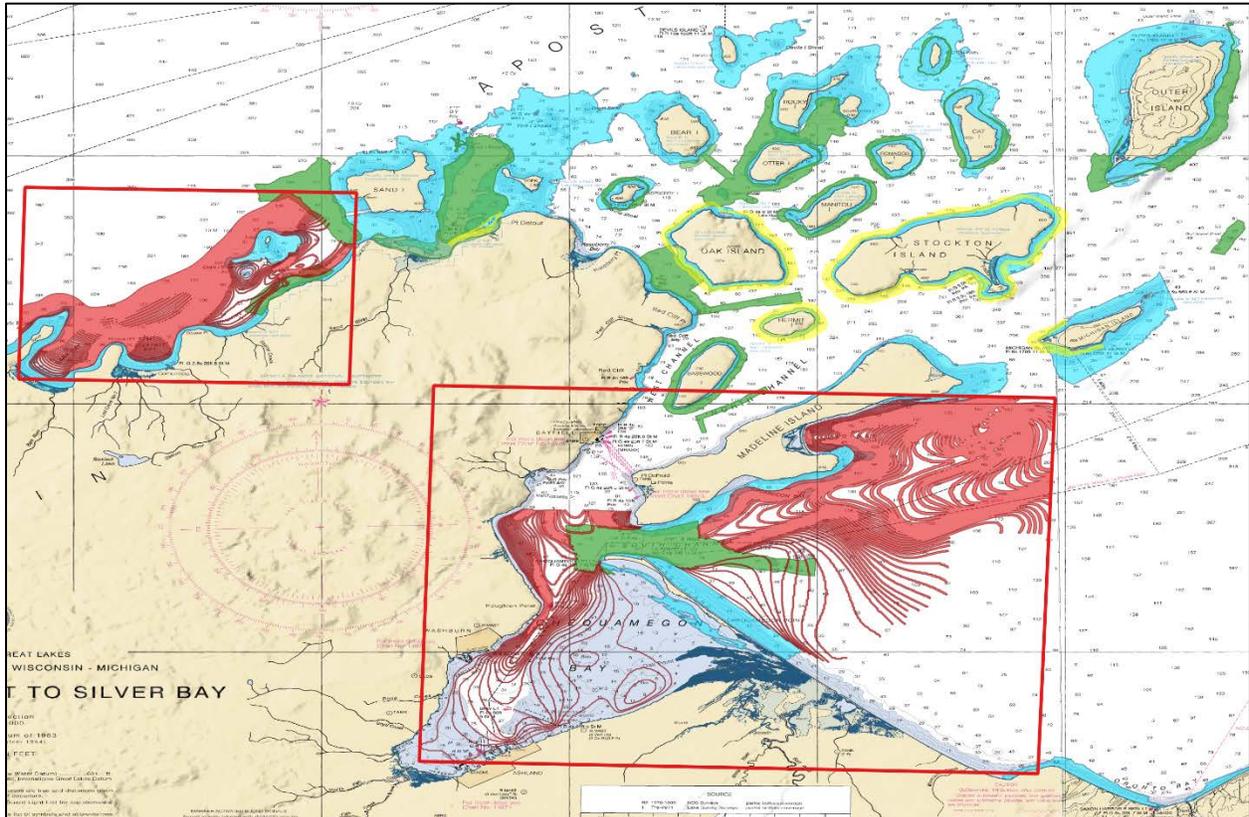




### NOAA GLRI Webinar - Project Fact Sheet

<b>Project Title</b>	Collaborative management of emerging littoral issues in Wisconsin waters of Lake Superior
<b>Project Lead</b>	PI: Heather Stirratt Co-PIs, if applicable: Brandon Krumwiede
<b>Funding amount (\$) and years funded</b>	FY19 - \$500,000
<b>External partners, collaborators and/or sub-awardees</b>	Multi-Agency (National Park Service, NOAA GLERL, NOAA NCCOS, NOAA NMS, State of Wisconsin)
<b>GLRI Focus Area</b>	4 – Habitat and Species
<b>GLRI Action Plan Primary Measure</b>	<b>Objective:</b> 4.1 – Protect, restore, and enhance habitats to sustain healthy populations of native species
	<b>Measure(s) of Progress:</b> 4.1.2 - Miles of shoreline or riparian corridor restored.
<b>Brief project description</b>	<p>NOAA, in partnership with NPS and Wisconsin State offices, are organizing a collaborative benthic mapping effort to address significant littoral management issues that have emerged in the Wisconsin waters of Lake Superior:</p> <ul style="list-style-type: none"> <li>• Increases in coastal erosion</li> <li>• Sedimentation and degradation of native fish habitat</li> <li>• Watershed development and water quality changes</li> <li>• Algal blooms</li> <li>• Species invasions</li> </ul> <p>This project will result in the collection and processing of multibeam sonar depth and backscatter data for the development of high resolution bathymetry and benthic mapping utilizing the Coastal and Marine Ecological Classification Standard (CMECS) to classify substrate and biotic components.</p> <p>Mapping activities will address critical gaps in current knowledge and management applications. Subsequent modeling activities could be used to identify and protect shoreline sites vulnerable to lake level changes and coastal erosion.</p>

Approximately 820 - 847 linear survey miles will be completed to fill in data gaps located around the Apostle Islands in near and offshore areas.



Apostle Islands overview map showing priority areas for bathymetry and benthic mapping. Exact extents of mapping has yet to be fully determined based on how much area can be collected during the summer 2020 multibeam hydrographic survey cruise by the R/V Echo.