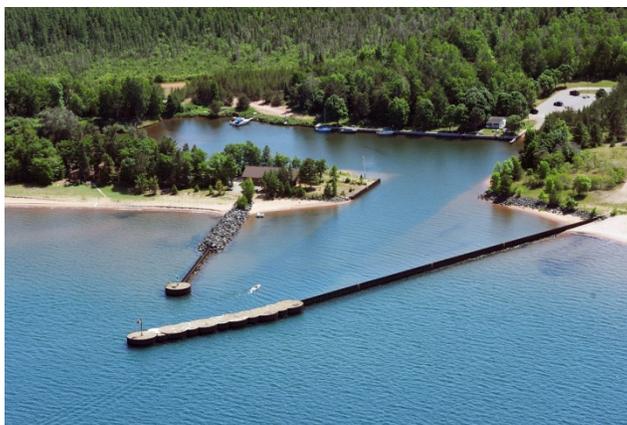




**US Army Corps
of Engineers**®
Detroit District

HARBOR INFRASTRUCTURE INVENTORIES

Big Bay Harbor, Michigan



Harbor Location: Big Bay Harbor is located on the south shore of Lake Superior, 33 miles northwest of Marquette, MI and 38 miles east of the Portage entry to the Keweenaw Waterway.

Authority: River & Harbor Acts of 1945.

Project Description: Big Bay Harbor is a shallow draft recreational harbor with more than 1,250 feet of maintained piers and over 500 feet of maintained Federal channel.

Traffic: No commerce reported.

Transportation Importance: This project serves as an important Harbor of Refuge and supports charter fishing and recreational navigation interests. The local community has an established infrastructure around the harbor facilities that generates income from harbor users and visitors to the area.

Congressional Interest:

- Representative Dan Benishek R-MI-1
- Senator Carl Levin D-MI
- Senator Debbie Stabenow D-MI

Current Condition Assessment: **C**



Date of Site Visit: 24 October 2013

Summary of Impact: Prevailing waves come from the north direction. Waves overtopping the piers could roll into the harbor and have an immediate impact on the MDNR Marina and the private slips in the harbor. The wave activity associated with the overtopping could cause dangerous currents for boat launching at the MDNR site as well as damage vessels moored at the marina. Presently, the marina is sufficiently protected, but could be exposed to greater wave heights under the right conditions. In both cases, an increased wave climate could result in damage to docked vessels and the docks themselves. In the event the structures are damaged and/or destroyed during a storm event, the MDNR Marina and the private slips within the harbor could be impacted.

Examples of Protected Infrastructure:



1. Big Bay Harbor – MDNR Marina: The marina is open mid-May to mid-October. The facility has 6 transient and 4 seasonal slips. Amenities include: water, electricity, restrooms, showers, gasoline, pump-out, boat launch, long-term parking, dog area, day-use dockage and grills/picnic tables.



Potential Impact Area: The following graphic displays property parcels that could be impacted within various zones defined by different setbacks from the shoreline behind existing Federal coastal structures. Values are based on real property tax assessments from these parcels, and don't reflect any detailed coastal zone damage assessments. Figures simply reflect property values at various setbacks.

