



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

HARBOR INFRASTRUCTURE INVENTORIES

Eagle Harbor, Michigan



Harbor Location: Eagle Harbor is located on the south shore of Lake Superior on the western shore of the Keweenaw Peninsula, about 35 miles northeast of the North Entry to the Keweenaw Waterway.

Authority: River & Harbor Acts of 2 March 1945.

Project Description: Eagle Harbor is a shallow draft recreational harbor with structures including a rubblemound breakwater near the old Coast Guard station and a steel revetment from the old Coast Guard ramp to the existing boat ramp.

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: **B**



Date of Site Visit: 11 September 2013

Summary of Impact: Prevailing waves may come from the north-northwest direction. Waves propagating into the harbor could undermine the steel revetment adjacent to the State Dock. The ensuing waves would have an immediate impact on the dock itself and the structures associated with its operation. The wave activity within the harbor could cause dangerous currents for boat launching at the State Dock as well as damage vessels moored in the harbor. Presently, the dock is sufficiently protected, but could be exposed to greater wave heights under the right conditions. In both cases, an increased wave climate would likely result in damage to docked vessels and the docks themselves. In the event the structures are damaged and/or destroyed during a storm event, no other properties in or near Eagle Harbor would likely be impacted.

Examples of Protected Infrastructure:



1. Eagle Harbor State Dock: A small marina is located at the harbor. The facility serves as a harbor of refuge and supports recreational and charter fishing interests in the area. Amenities include vault toilets and a launch ramp.

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.

