



US Army Corps  
of Engineers®

## HARBOR INFRASTRUCTURE INVENTORIES Pentwater Harbor, Michigan



**Harbor Location:** Pentwater Harbor is located on the east shore of Lake Michigan, 146 miles northeast of Chicago, IL and 14 miles south of Ludington, MI.

**Authority:** Rivers and Harbors Act of 2 Mar 1867, 3 Mar 1873, 5 Jul 1881, 13 Jul 1892, 25 Mar 1907.

**Project Description:** Pentwater Harbor is a shallow draft recreational harbor with more than 4,000 feet of maintained piers and revetments.

**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 established a significant infrastructure around the harbor facilities that generates income from harbor users and visitors to the area.

### Congressional Interest:

- Representative Bill Huizenga, R-MI-2
- Senator Carl Levin D-MI
- Senator Debbie Stabenow D-MI

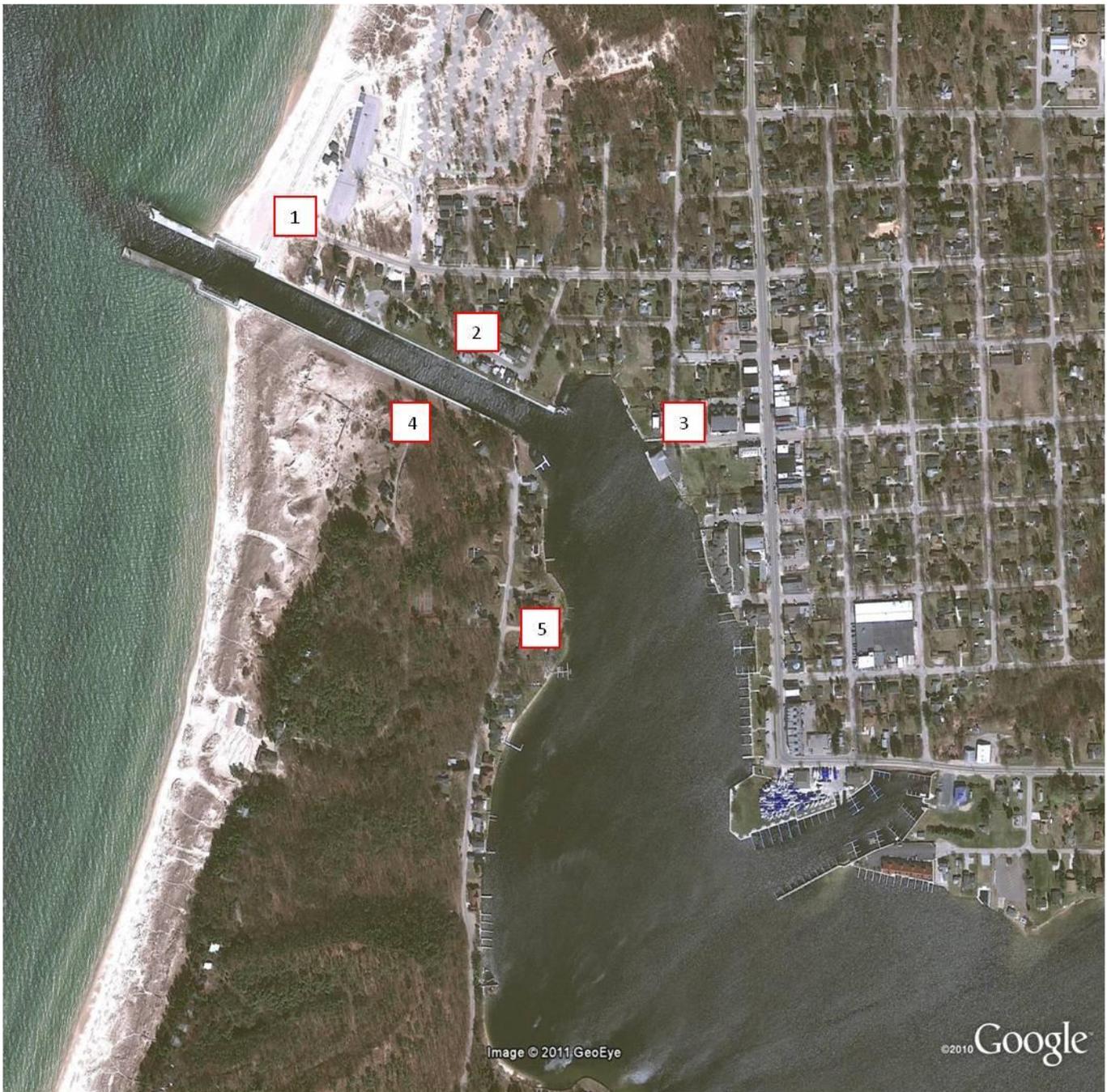
**Current Condition Assessment:** **A**



**Date of Site Visit:** 18 October 2011

**Summary of Impact:** If the federal structure were to have a breach or failure, the most significant impact would be to the structures on the channel and lake. Several of the houses and condominium complexes are located next to the channel where the revetment either provides support for the foundation of the homes or protects the houses from waves coming down the channel. The marinas would likely also be adversely impacted since damage could occur with increased wave action.

**Examples of Protected Infrastructure:**



**1. Charles Mears State Park:** Charles Mears State Park is located adjacent to the Federal structures on the north side of the Pentwater Harbor on Lake Michigan. The state park has a beach and a campground with 175 sites.



**2. Channel Front Houses:** Several channel-front homes are located directly adjacent to the federal navigation structure on the north side of the Pentwater structure, with some of these houses less than 10 feet away from the revetment.



**3. Southern Channel Front Homes:** There are several homes built upon the sand dunes on the southern side of the Pentwater Harbor.



**4. Western Lakefront Houses:** There are several houses with docks on the western shore of Pentwater Lake, with large boats moored in the lake.



**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.

