



US Army Corps  
of Engineers®

## HARBOR INFRASTRUCTURE INVENTORIES Grand Haven Harbor, Michigan



**Harbor Location:** Grand Haven Harbor is located on the east shore of Lake Michigan, approximately 108 miles northeast of Chicago, IL and 23 miles north of Holland, MI.

**Authority:** River and Harbor Acts of 23 Jun 1866, and subsequent acts.

**Project Description:** Grand Haven Harbor is a deep draft commercial harbor with over 9,000 feet of structures including piers and revetments. Both the north and south piers are stone-filled timber cribbing encased with steel sheet pile and capped with concrete.

**Traffic:** 1,285,688 tons (5-Year average, 2004-2008)

**Transportation Importance:** Major regional receiving port on the Great Lakes for commodities including sand, gravel, cement, gypsum, coal, and manufactured goods.

### Congressional Interest:

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

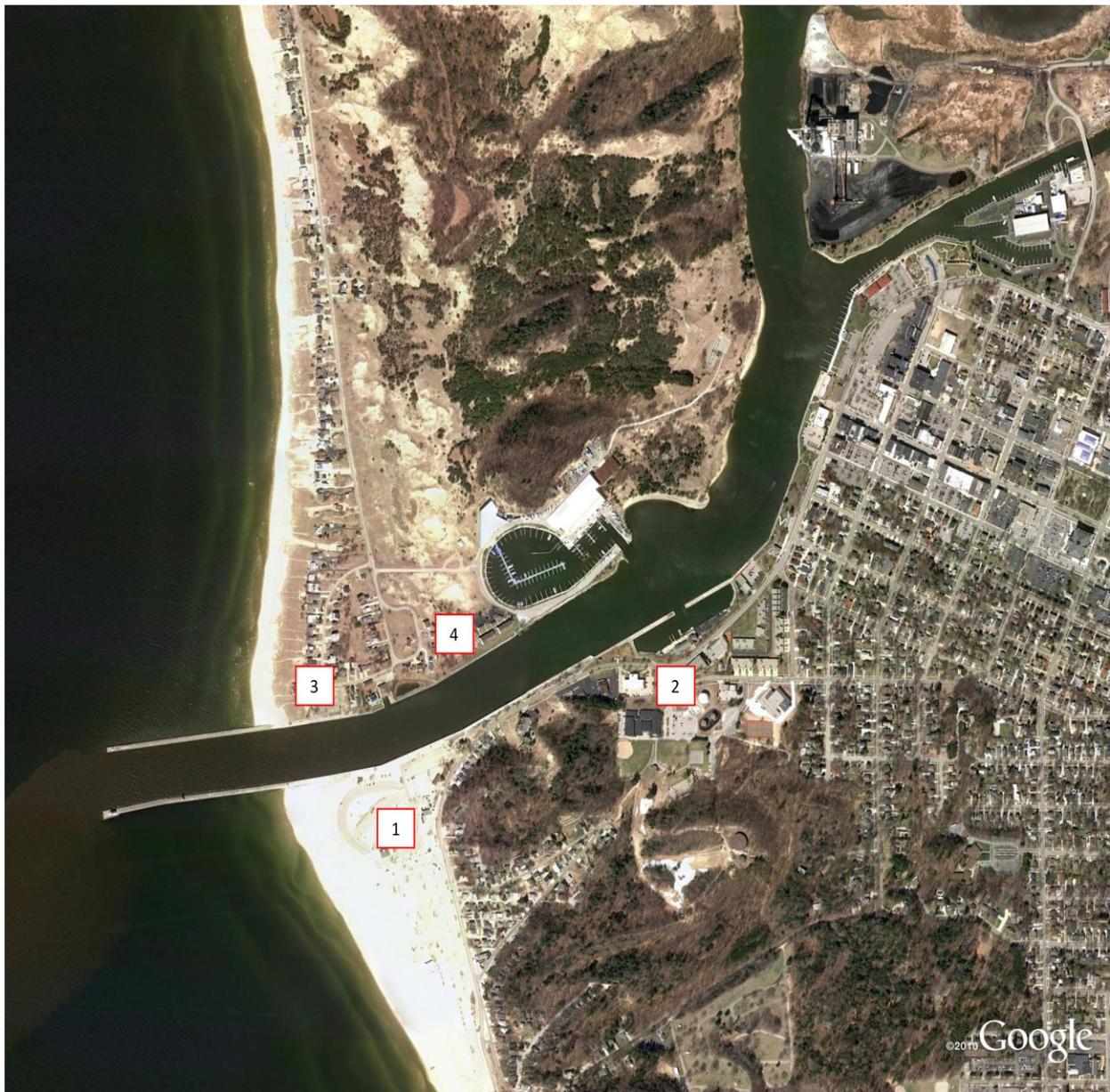
**Current Condition Assessment:** **C** (Isolated area rated “D” along the South Revetment)



**Date of Site Visit:** 10 August 2010

**Summary of Impact:** Increased wave action could adversely impact the integrity of the revetments protecting several structures located directly on the channel. The Coast Guard station is a critical infrastructure providing search and rescue and maritime law enforcement. Any breach or failure near the state park could possibly threaten the safety of the boardwalk for any number of the several thousand people that walk it every day. The safety of the homes near the north side of the revetments could possibly be compromised if a failure took place near the homes.

**Examples of Protected Infrastructure:**



**1. Grand Haven State Park:** Grand Haven State Park is on the south side of the Grand Haven Harbor structures. The state park has 174 camp sites that are utilized throughout the year. The park also has a popular beach and boardwalk that thousands of people visit for the day during the summer.



**2. Stearns Park: United States Coast Guard- Grand Haven Station:** The United States Coast Guard is located on the south side of the Grand Haven Harbor and is staffed by over 30 active duty and 10 reserve members. This station performs search and rescue and maritime law enforcement as well as being a heavy weather station and an ice rescue capable unit. At this station there are two motor lifeboats, one small response boat, and one shallow water response boat.



**3. Lakefront/Channel front Homes:** Along both the lake and channel front there are many homes that are protected by federal structures.



**4. Captain's Cove Condominiums:** This two-building condominium complex is located on the north side of the Grand Haven Harbor channel.



**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.

