



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

HARBOR INFRASTRUCTURE INVENTORIES

Alpena Harbor, Michigan



Harbor Location: Alpena Harbor is located at the mouth of Thunder Bay River, which empties into Thunder Bay, Lake Huron.

Authority: River & Harbor Acts of 19 Sep 1890, 2 Mar 1919, 22 Sep 1922, 30 Aug 1935, 27 Oct 1965.

Project Description: Alpena Harbor is a Deep draft commercial harbor with approximately 700 feet of breakwater structures and 12,000 feet of maintained channel.

Traffic: 2.9M tons (5-Year average, 2006-2010)

Transportation Importance: This project serves as a regionally significant receiving and shipping port on the Great Lakes with commodities including cement, coal and petroleum products, sand, gravel, salt and limestone.

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: 20 July 2010

Summary of Impact: Prevailing waves come from both northerly and southerly directions. Overtopping waves could have an immediate impact on the rubble mound structure at Alpena. Any significant wave activity propagating up the Thunder Bay River could also impact the structure and pleasure craft boating along the river. Other shore structures subject to potential inundation would be the Alpena Municipal Marina. In the event the structures are damaged and/or destroyed during a storm event, commercial properties within the zone of influence of the Alpena Harbor would likely be impacted. To the north, Decorative Panels International and to the south, the Alpena Municipal Marina would also likely be impacted.

Examples of Protected Infrastructure:



1. Alpena Oil Company: The Company has been serving the Northern, Lower Peninsula of Michigan as a Shell Distributor for over 60 years and more recently as a Marathon and Pacific Pride distributor. Alpena Oil owns and operates retail gas/convenience stores, operates commercial fueling sites and sells and distributes retail and wholesale gas, diesel fuel and lubricants.



2. Alpena Municipal Marina: The marina is open for the boating season which extends from 15 April to 1 November. It consists of 85 transient slips and 58 seasonal slips. The marina is open daily from 7 am to 9 pm and employs 9 people. Daily dockage rates range from \$24 to \$177. Amenities include: water, electricity, restrooms, showers, complete fuel and pump-out facilities, fish cleaning stations, boat launch, playground/park, grills/picnic tables and long term parking.



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.

