



US Army Corps
of Engineers®
Detroit District

HARBOR INFRASTRUCTURE INVENTORIES Au Sable Harbor, Michigan



Harbor Location: Au Sable Harbor is located on the west shore of Lake Huron, 8 miles north of Au Sable Point on northeast side of Saginaw Bay.

Authority: River & Harbor Acts of 2 Mar 1945.

Project Description: Au Sable River Harbor is a shallow draft recreational harbor with more than 2,000 feet of maintained piers and approximately 3,000 feet of maintained Federal channel.

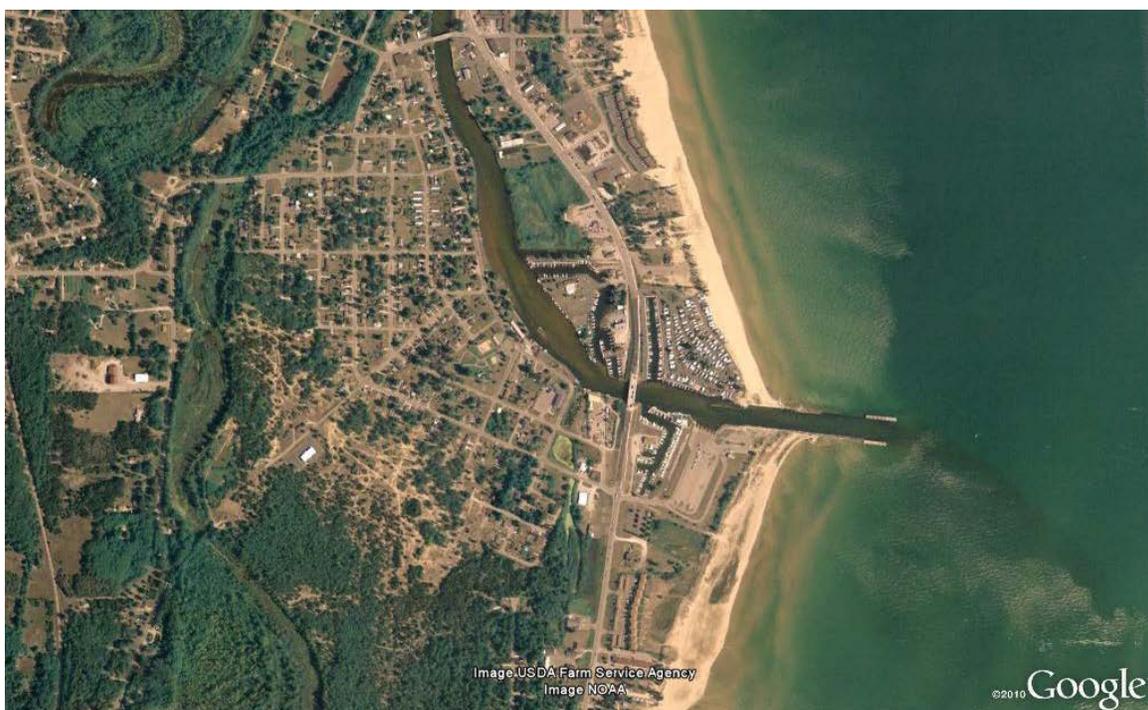
Traffic: No commerce reported.

Transportation Importance: This project serves as an important Harbor of Refuge and supports charter fishing and recreational navigation interests. The local community has established a significant 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: 7 July 2010

Summary of Impact: Prevailing waves come from the north. Waves overtopping the north breakwater could propagate up the Au Sable River and would likely have an immediate impact on the MDNR Boat Access site and the two marinas located upstream of the breakwaters. 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 marinas. Presently, the two marinas and condominium complex within the confines of the harbor appear to be 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, commercial properties within the zone of influence of the Au Sable Harbor may also be impacted. To the north, the Au Sable Huron Condominium complex and to the south, the Au Sable Township Park may also be impacted.

Examples of Protected Infrastructure:



1. Main Pier Condominium and Marina: The complex is a privately-owned, gated marina located immediately upstream of the Au sable harbor structures. The marina contains 125 slips and can accommodate boats up to 50 feet in length. Amenities include: water, electrical hookup, restrooms, showers, laundry facilities, and a picnic area with picnic tables and grills.



2. Au Sable Shoreline Park: The park is located just south of the Au Sable Harbor structure. It has several hundred yards of sandy beach located on Lake Huron and offers picnic tables, grills and a gazebo for summer activities.



3. Au Sable Huron Condominium: The complex is located along the Lake Huron shoreline immediately north of the Au Sable Harbor structures. Its marina has boat slips available for its members. Amenities include: a gated private entrance, electrical service, fish cleaning stations, and laundry facilities.



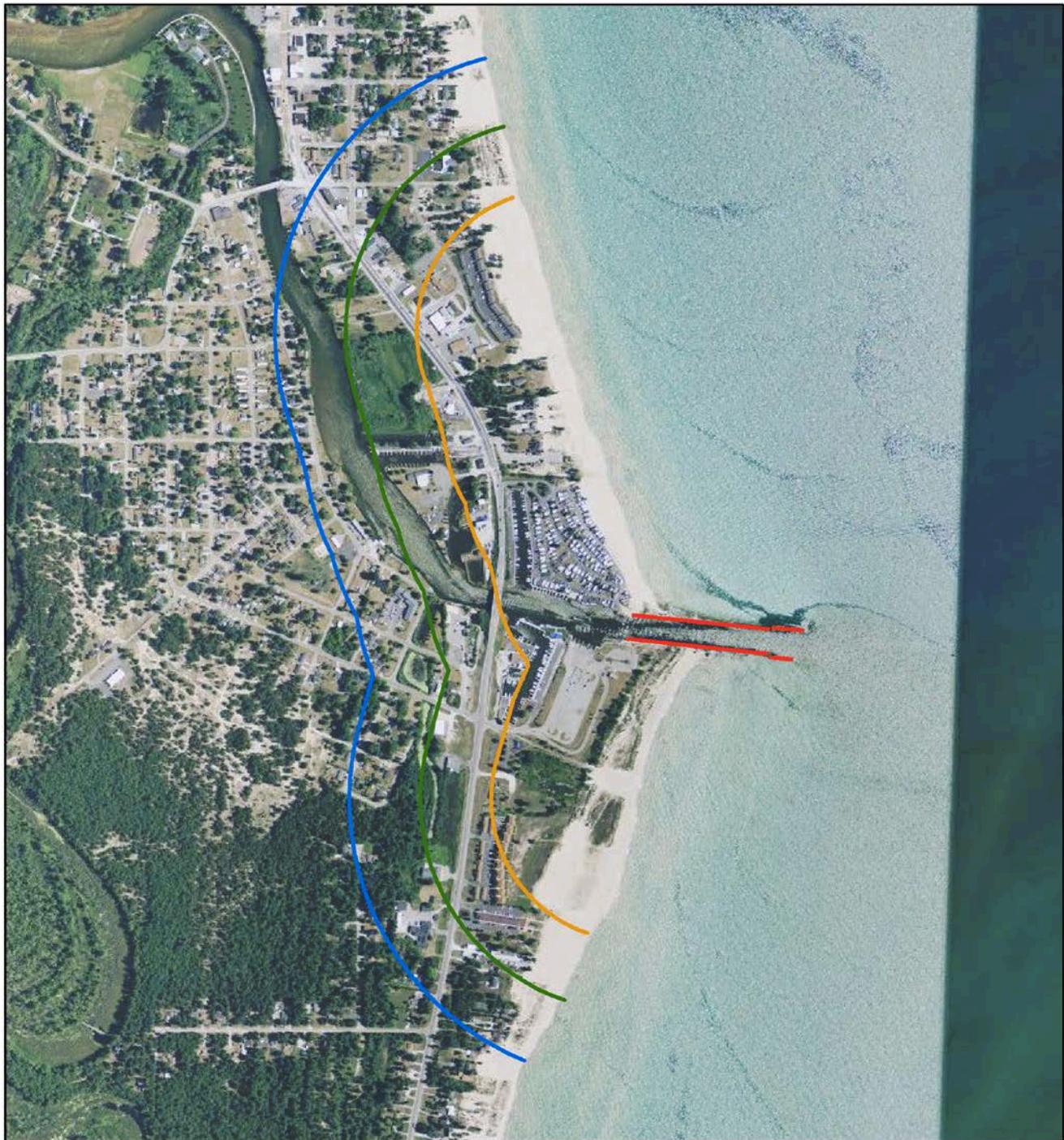
4. Au Sable River Mouth Boat Access: The site is operated by the MDNR Parks and Recreation Division. It provides a launching area for access to Lake Huron. Daily and seasonal boating access site permits are available for a nominal fee.



5. Bunyan Town Marina: The marina carries a full line of fishing, hunting and archery supplies. It has 4 transient boat slips and offers marina and charter boat services.



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. Within 1,000 feet from the shoreline (1,000 ft buffer) all five of the properties that were identified (above) in this report would be affected by a failure of the breakwater.

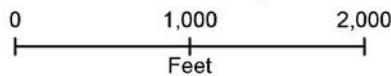


AU SABLE HARBOR

Au Sable, MI



-  Federal Structure
-  Shoreline_1000_ft_buffer
-  Shoreline_1500_ft_buffer
-  Shoreline_2000_ft_buffer



Imagery Source- NAIP 2012



Created August 2012- by T. Crockett- Buffalo District