



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

HARBOR INFRASTRUCTURE INVENTORIES Menominee Harbor, Michigan and Wisconsin



Harbor Location: Menominee Harbor is located on Lake Michigan at the mouth of the Menominee River on the western shore of Green Bay, bordered by Menominee, Michigan on the north and Marinette, Wisconsin on the south, 16 miles northwest of the mouth of Sturgeon Bay and 49 miles northeast of Green Bay Harbor, about 155 miles from Milwaukee via Sturgeon Bay Harbor and the Lake Michigan Ship Canal.

Authority: River & Harbor Acts of 3 Mar 1871, with modification in the ensuing years.

Project Description: Menominee Harbor is a deep draft commercial harbor with over 3,300 feet of pier structures and over 2 miles of maintained channel.

Traffic: 325,000 tons (5-Year average, 2006-2010)

Transportation Importance: This project serves as a locally significant receiving port on the Great Lakes with some international trade. Commodities received include pig iron, pulp and paper and coal.

Congressional Interests

- Representative Reid Ribble R-WI-8
- Representative Dan Benishek R-MI-1
- Senator Ron Johnson R-WI
- Senator Tammy Baldwin D-WI
- Senator Carl Levin D-MI
- Senator Debbie Stabenow D-MI

Current Condition Assessment: **B**



Date of Site Visit: 6 September 2013

Summary of Impact: A failure or breach of the federal navigation structures could create several significant impacts. Several industries use the Port of Menominee for transporting goods. These industries would be significantly impacted if the cargo ships were prevented from traveling into the port. Another impact to these industries would be if increased wave action would increase the erosion of the land or degrade the federal structures. If the land was eroded or the federal structure degraded enough, the structure where these industries are housed could be severely impacted. The 1st street bridge and US 41 bridge both have foundations in the Menominee River. These foundations could become unstable due to possible soil erosion.

Examples of Protected Infrastructure:



1. US 41 Highway Bridge: The US 41 highway bridge crosses the Menominee River. The bridge has several concrete pier foundations that are set into the riverbed. US 41 is a main arterial road for Northern Wisconsin and Michigan.



2. Marinette Marine Corporation: Marinette Marine Corporation is located on the south side of the Menominee Harbor in Wisconsin. Marinette Marine specializes in crane manufacturing and commercial refrigerated display cases. Marinette Marine Corporation has several large warehouse buildings on site.



3. Tyco Fire Suppression Systems: Tyco Fire Suppression System is also located on the south side of the Menominee Harbor. Tyco specializes in the special hazard fire protection products include fire hydrants, industrial systems, and sophisticated fire detection and suppression system. The Tyco facilities are one story office buildings.



4. Menominee Wastewater Treatment Plant: The Menominee Wastewater Treatment Plant is located on the north side of the Menominee River in Michigan. This treatment plant provides secondary treatment to wastewater using the activated sludge process. The outlet from the plant discharges into the Menominee River.



5. Fibrek Inc. Menominee Mill: Fibrek's Menominee Mill is located on the north side of the Menominee River. The Menominee Mill is a pulp mill which supplies pulp to manufacturers of tissues and coated paper.



6. ThyssenKrupp Waupaca Foundry: ThyssenKrupp Waupaca Foundry is located on the south side of the Menominee River. The Waupaca Foundry is a producer of iron castings ranging in size from 2 pounds to 350 pounds.



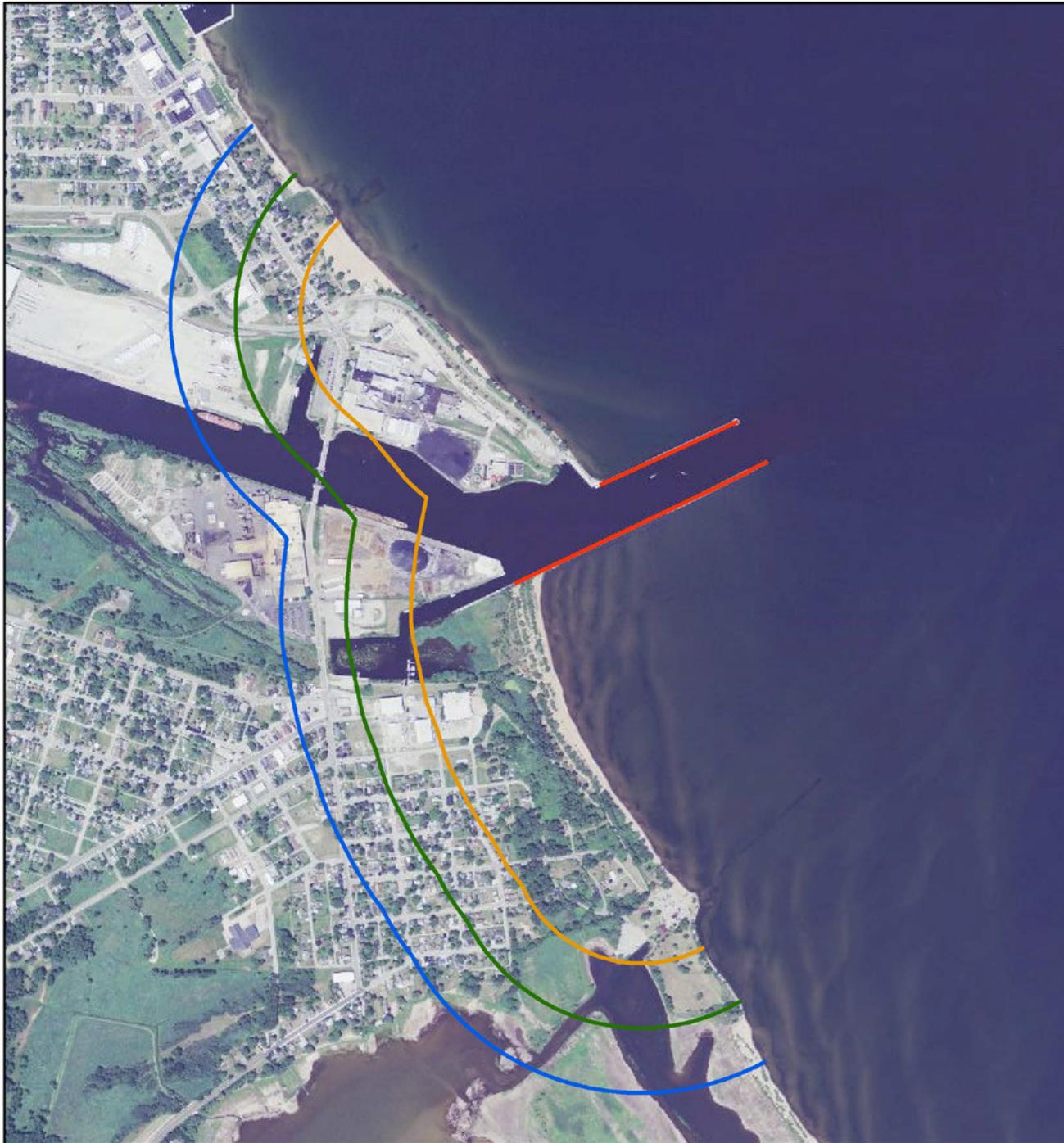
7. 1st Street Bridge: The 1st street bridge crosses the Menominee Harbor near the mouth of the Menominee River. The foundations of the bridge are 5 concrete piers that set in the Menominee River. The bridge also has concrete abutments and a concrete road surface.



8. KK Integrated Logistics: KK Integrated Logistics is located on the north side of the Menominee Harbor. KK Integrated Logistics is a shipping, trucking, warehousing, and stevedoring firm that utilizes the Port of Menominee.

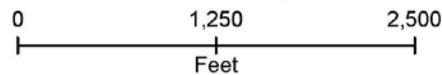


Potential Impact Area: The following graphic displays property parcels that could be impacted within various zones defined by different setbacks from the shoreline behind existing Federal coastal structures. The properties that were identified (above) in this report would be affected by a failure of the breakwater.



-  Federal Structure
-  Shoreline_1000_ft_buffer
-  Shoreline_1500_ft_buffer
-  Shoreline_2000_ft_buffer

MENOMINEE HARBOR Menominee, MI



Imagery Source- NAIP 2012



Created June 2013- by T. Crockett- Buffalo District