



US Army Corps
of Engineers®

HARBOR INFRASTRUCTURE INVENTORIES Ludington Harbor, Michigan



Harbor Location: Ludington Harbor is located in Ludington, MI which is 156 miles northeast of Chicago, IL and 67 miles north of Grand Haven, MI.

Authority: Rivers and Harbors Act of 2 Mar 1867, 3 Mar 1899, 2 Mar 1907, 3 Dec 1970.

Project Description: Ludington Harbor is a deep draft commercial harbor with over 8,700 feet of federal breakwaters, piers, and revetments and over 1 mile of maintained federal navigation channel.

Traffic: 567,792 tons (5-Year average, 2004-2008)

Transportation Importance: Ludington Harbor is a regionally significant receiving port on the Great Lakes for commodities including limestone, sand and gravel, slag, and salts. Ludington is also home to the S. S. Badger car ferry.

Congressional Interest:

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

Current Condition Assessment: **C** (Isolated locations of structure rated “D”)



Date of Site Visit: 19 August 2010

Summary of Impact: The areas most significantly impacted by a breach or failure in the federal structure would be those immediately adjacent to the structure. Several condominium complexes are located just behind the revetment walls, and any failure could cause their foundations to become unstable. The US Coast Guard also has their Ludington Station directly behind the revetment wall, and that could also face stability problems if the revetment had a failure. The two nearby marinas would likely be affected if the wave action increases and caused damage to the boats that dock there. Increased wave action affecting the Waterfront Park could cause increased erosion.

Examples of Protected Infrastructure:



1. Crosswinds Condominium Complex: Crosswinds Condominium complex is a 28-acre complex located adjacent to the south federal revetment. This complex has several lakefront and channel-front condos and duplexes as well as a private marina on the west side of Pere Marquette Lake. The docks at Crosswinds' marina are permanent wood docks. On Lake Michigan, the complex maintains a 1,000 foot beach.



2. Stearns Park: Stearns Park is a City of Ludington Park that is north of the federal breakwater. The park has a beach, playground, and picnic area.



3. City of Ludington Boat Launch: The City of Ludington Boat Launch is a city owned and operated marina with approximately 150 seasonal and transient slips. The marina consists of floating docks, an administration building with showers, and supports 10 charter fishing vessels. Rate information is available at www.ludington.mi.us/departments/municipal_marina/index.html.



4. United States Coast Guard-Ludington Station: The station's primary area of responsibility is from Big Sable Point to Stoney Lake and provides rescue for an overall operational area of approximately 35 nautical miles of coastline encompassing 1,050 square miles. A new 4,200 square-foot station building was built and commissioned in April 2004. With a crew complement of 15 active duty, 4 reservists, and more than twenty Auxiliary members (Auxiliary Flotilla 20-06), the station handles approximately 100 Search and Rescue cases per year and over 150 boardings.



5. Starboard Tack Condominiums: Starboard Tack Condominiums is a 22-unit, two building complex located directly adjacent to the north side of the federal structures.



6. Harbor Village Condominiums: Harbor Village Condominiums is also located adjacent to the north side of the federal structures and consists of two separate two-story buildings.



7. Ludington Municipal Marina: The Ludington Municipal Marina is a City of Ludington owned marina and is located on the north side of the Ludington Harbor. The municipal marina has 152 permanent floating slips, 75 seasonal slips, and 77 transient slips. The slips consist of fixed wooden docks.



8. Ludington Waterfront Park: The Ludington Waterfront Park is located on the northeast side of Pere Marquette Lake. The park has playground equipment, a picnic pavilion, and an amphitheater.



9. Harbor View Marina: The Harbor View Marina is privately owned with 160 floating slips for seasonal and transient vessels. Marina consists of a large administration building, fueling station, showers, and laundry. Rate information available is at www.harborviewmarina.com



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.

