



US Army Corps  
of Engineers®

## HARBOR INFRASTRUCTURE INVENTORIES Erie Harbor, PA



**Harbor Location:** Erie Harbor is located on the southern shore of Lake Erie in the City of Erie, PA about 98 Miles southwest of Buffalo.

**Authority:** River & Harbor Acts of 1824, 1899, 1910, 1922, 1935, 1954, 1960 and 1962.

**Project Description:** Originally authorized by the River and Harbor Act of 1824, Erie Harbor is a deep draft commercial harbor. Protective structures consist of north and south piers totaling approximately 1 mile in length. Pier construction consists primarily of steel sheet pile walls with a concrete cap.

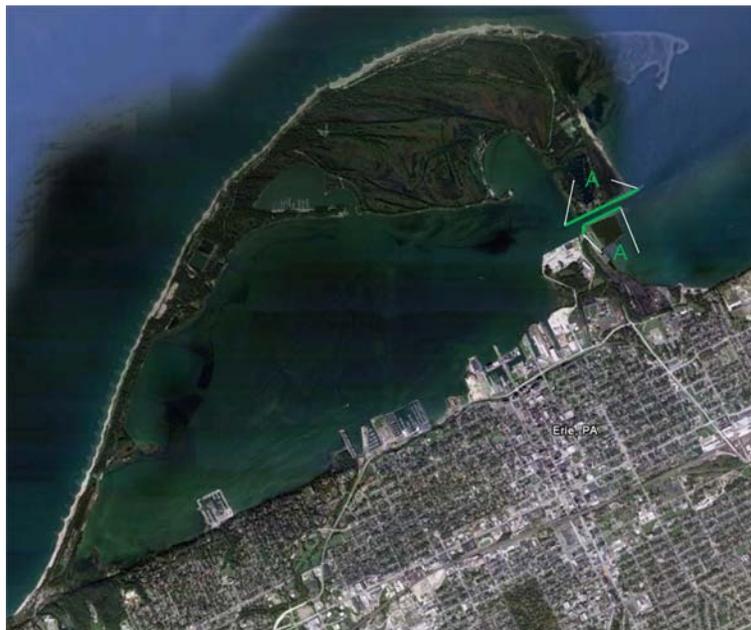
**Traffic:** 864,557 tons (5-Year average, 2006-2010).

**Transportation Importance:** Major regional receiving port on the Great Lakes for commodities including aggregates, sand products and limestone.

### Congressional Interest:

- Representative Mike Kelly R-PA-3
- Senator Pat Toomey R-PA
- Senator Robert P. Casey D-PA

**Current Condition Assessment:** A



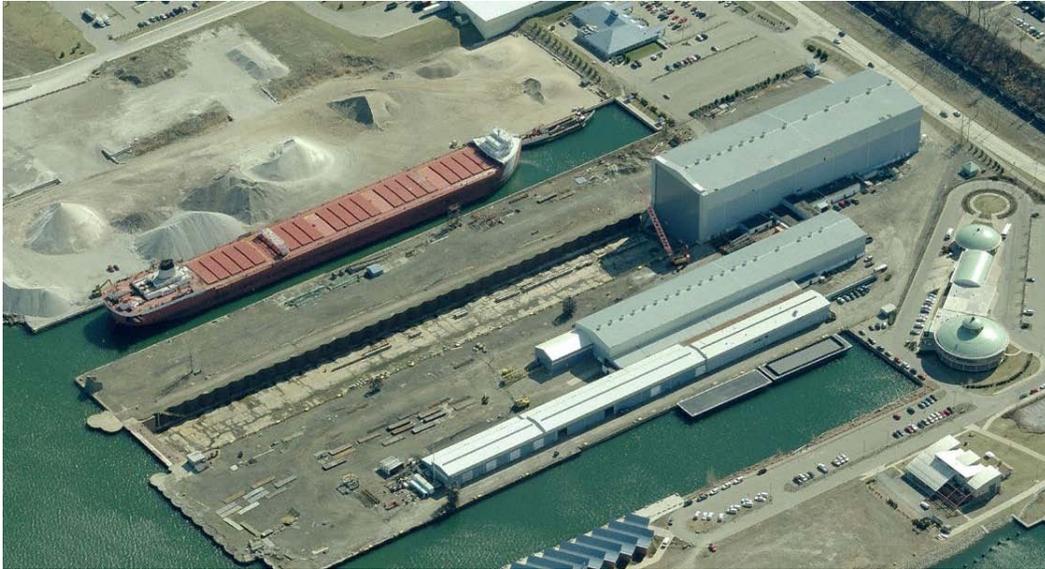
**Date of Site Visit:** 18 June 2010

**Summary of Impact:** Prevailing waves come from the east to northeast direction. Failure of the piers would result in additional sedimentation in the Federal channel increasing dredging requirements. Shoaling of the federal channel would cause light loading for ships travelling to and from Erie Sand and Gravel. Additionally, Don Jon Shipbuilding and Repair requires seaway depth for operations so shoaling of the channel would curtail business. The U.S. Coast Guard Station Erie would also experience increased wave action and flooding as a result of pier failure.

**Examples of Protected Infrastructure:**



**1. Don Jon Shipbuilding & Repair, LLC:** Privately owned ship building and repair facility. 1,200' long x 120' wide x 22' deep drydock, 200,000 square feet of warehouse storage. 2x1,200' long 135' wide slips. Able to accommodate up to a 1,000' vessel in all slips and drydock. On site equipment: 100 ton, 3x 20 ton and 3x5 ton overhead cranes; 450 ton mobile crawler crane; 80 ton truck crane; 30 ton rough terrain crane. The facility is entirely reliant on a dredged calm harbor for operations. Pier failure would likely result in increased wave action in the harbor and silting in of the Federal channel.



**2. Erie Sand and Gravel – Carmeuse Lime:** Privately owned industry involved with sand and stone transport, employing 25. Sand and stone shipped in via lake ship from Michigan. Facility handles around 1 million tons of material per year. Additionally, the facility is working to develop a container shipping operation handling containers brought in by vessel from Montreal and transferring to train. Facilities include 2 docks, measuring 1,400' and 1,200', a 300 ton shore side crane and 50,000 and 30,000 square foot warehouses. Failure of the protective structures would result in increased wave action and shoaling of the channel and would limit shipping operations.



**3. Captain John E. Lampe Marina:** Municipally owned marina with 252 floating plastic and steel slips able to accommodate vessels up to 28'. Seasonal rates range from \$765 to \$1,210. Electric and water available at all slips. Other amenities include fuel (gas only), pumpout, showers, restrooms, and an on-site public boat launch. Marina is dependent on breakwaters to maintain a calm harbor for operations.



**4. U.S. Army Corps of Engineers – Buffalo District CDF:** Constructed by the USACE in 1979. The design capacity of the CDF is 420,000 CY. A portion of the CDF was turned over to the Local Sponsor, Erie-West Pennsylvania Port Authority, in April 2003 for use as a public recreational campground and waterfront park.

**5. U.S. Coast Guard Station – Erie PA:** Coast Guard Station with area of responsibility extending from Conneaut, OH to the NY/PA state line. 3 vessels - 2 Coast Guard and 1 State Police. Single story station, 2 residences and a garage onsite. The piers serve to protect the open channel and a harbor of refuge. Pier failure would eliminate both uses. Presently, a strong wind from the east - northeast will cause heavy wave action in harbor.



**6. Presque Isle State Park:** 3,200 acre sandy peninsula that serves as a state park and environmental conservation area. Receives about 4 million visits per year.

**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.

