



US Army Corps
of Engineers®

HARBOR INFRASTRUCTURE INVENTORIES Cooley Canal Harbor, OH



Harbor Location: Cooley Canal Harbor is located at the mouth of the Cooley Canal on the southern shore of Lake Erie in Jerusalem Township, OH about 14 miles east of Toledo, OH.

Authority: Section 107 of the Rivers and Harbors Act of 1960, as amended.

Project Description: Originally authorized by the Section 107 of the River and Harbor Act of 1960, Cooley Canal Harbor is a shallow draft recreational harbor. Protective structures consist of east and west rubblemound stone breakwaters totaling 1,650 feet in length.

Congressional Interest:

- Representative Marcy Kaptur D-OH-9
- Senator Rob Portman R-OH
- Senator Sherrod Brown D-OH

Current Condition Assessment: **A**



Date of Site Visit: 14 June 2010.

Summary of Impact: Prevailing waves come from the northwest to northeast direction. Should the West or East Breakwater fail, there would be additional wave action in the harbor. Local stakeholders report that the breakwaters are performing poorly however as they reportedly trap sediment and cause shoaling in the channel. Surveys show that the entrance channel has shoaled and less than 2 feet of depth remains in some areas. Local stakeholders report that the entrance to the channel becomes "dry" under strong west winds.

Examples of Protected Infrastructure:



1. Cedar Point National Wildlife Refuge: Federally owned 2,445 acre marsh divided into three pools. The eastern end is protected from inundation by both the East and West Breakwaters.



2. Bitter End Restaurant and Bar at the Anchor Pointe Marina: Privately owned 2 story full service seasonal restaurant with a private pier, two restaurants, patios and decks. Breakwater failure would result in dockage limitations as well as flooding and damage to building under high wind conditions.



3. Anchor Pointe Marina: Privately owned marina built in 1980 with 525 floating and fixed steel and concrete slips, 40 of which are available for transient dockage. Able to accommodate vessels up to 45-50'. Structures include 4 buildings and warehouses for maintenance and vessel storage. Transient rate is \$1.24 per foot per day and all seasonal slips are owned by the boat owners. Electric and water is available at most slips. Two travel lifts (30 ton and 50 ton capacity) and fuel (gas and diesel) are available. Other amenities include pumpout, a mechanic on duty, showers, restrooms and a ships store. Manager states that breakwaters are performing poorly as they contain sediment and cause a great deal of shoaling. According to the manager, the channel is shoaled to 3-3.5' deep and the harbor of refuge is 2' or less in most areas.



4. Lucas County Cooley Canal Boat Ramps: County owned boat launch with 2 ramps. The facility is open to the public free of charge. The sheriff's office marine patrol is also based out of facility part time.



5. Meinke Marina – Laraine’s Landing: Privately owned marina built in 1979 with 1,400 floating and fixed wood and steel slips, 50 of which are available for transient dockage. Able to accommodate vessels up to 50'. Structures include a 2 story office and ships store. Seasonal rates range from \$475-\$625 and the transient rate is \$15 per day. Electric and water is available at about half of the slips. Two travel lifts (35 ton and 55 ton capacity) and fuel (gas and diesel) are also available. Other amenities include pumpout, showers, restrooms, a fishing pond and a ships store. Primary concern pertaining to breakwaters is shoaling in the channel. Operator states that dredging permits have been applied for but were denied due to plans calling for open lake disposal.



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.

