



US Army Corps
of Engineers®

HARBOR INFRASTRUCTURE INVENTORIES Sandusky Harbor, OH



Harbor Location: Sandusky Harbor is located on the southern shore of Lake Erie in the city of Sandusky, OH about 60 miles east of Toledo, OH.

Authority: River & Harbor Acts of 1899, 1902, 1919, 1927, 1935, 1945 and 1960.

Project Description: Originally authorized by the River and Harbor Act of 1899, Sandusky Harbor is a deep draft commercial harbor. Protective structures consist of over two miles of rubblemound stone breakwaters, dikes and jetties.

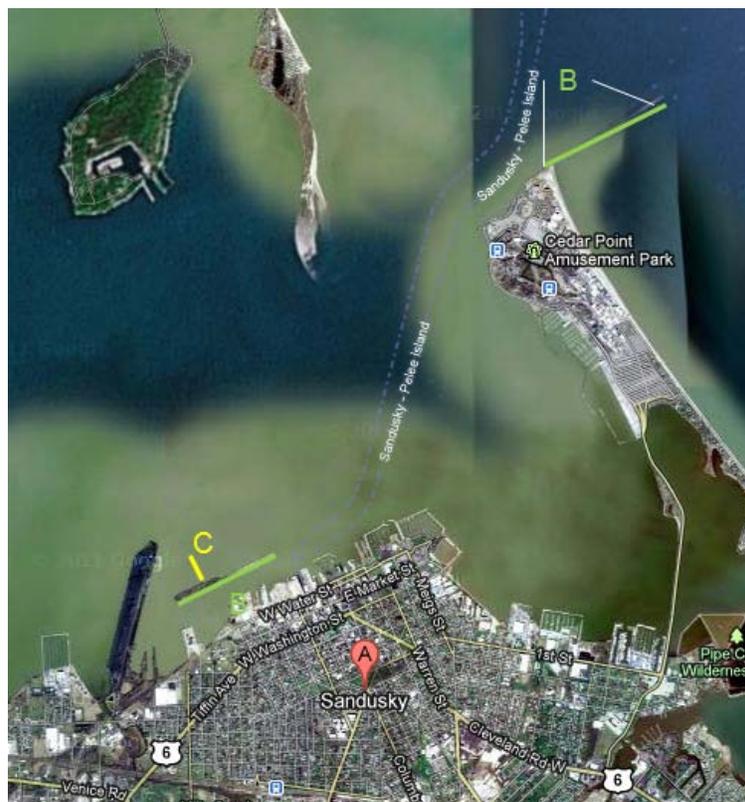
Traffic: 3,128,653 tons (5-Year average, 2005-2009).

Transportation Importance: Major regional receiving port on the Great Lakes for commodities including coal.

Congressional Interest:

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

Current Condition Assessment: **B**



Date of Site Visit: 14 June 2010.

Summary of Impact: Prevailing waves come from the northwest to southeast direction. Failure of the east jetty would result in damage to the Cedar Point Amusement Park facilities, erosion and limits to the use of the beach located onsite, flooding of the Hotel located adjacent to the jetty as well as increased shoaling in the Federal channel and increased wave action in the harbor under a north - northeast wind. Failure of the spur dike would limit operations at the Norfolk Southern Sandusky Dock and could flood or damage facilities. A failure of any of the dikes or jetties would increase wave action in the harbor, leading to damage to boats and facilities and flooding of structures located at the marinas within the harbor.

Examples of Protected Infrastructure:



1. Norfolk Southern - Sandusky Dock Corp.: Sandusky Dock is a Norfolk Southern-owned and served facility, located on Lake Erie, operated by Sandusky Dock Corporation. The facility handles around 3.5 million tons per year with a max capacity of around 7 million tons and employs 50. All coal is brought in by rail and shipped via the harbor primarily to Canada, Wisconsin and Michigan. It operates one Heyl & Patterson high-lift dumper with an average loading capacity of 2,625 tons per hour. The facility accommodates a maximum vessel length of 1,000 feet and overall loading capacity of 50,000 net tons. Storage capacity of 875,000 tons is available with reclaimed coal and railcars loaded to vessel simultaneously. Storage is in open piles and in 3 coal silos with a capacity of 3,500 tons each. The normal loading season is April 1 to December 15, 24 hours a day, seven days a week. The facility is dependent on a protected harbor for operations. The spur dike provides a direct barrier to wave action coming off the lake through the harbor. Failure of the rock dike and shoaling of the channel would severely curtail operations.



2. City of Sandusky Shelby St. Public Docks: Municipally owned launch ramp and parking area with 2 ramps and free public use. Structures include a dockmaster's hut with restrooms. The rock dike directly protects the facility from wave action, and the city states that the breakwaters are performing well to maintain a calm harbor.



3. George Gradel Company: Privately owned construction company. Has a land and marine division based onsite. Facility employs 120 people. Marine division runs 8 tug boats and 20 barges out of harbor performing work throughout Lake Erie. Dependent on the harbor for lake access. Facilities directly protected by rock dike.



4. Deep Water Marina: Privately owned marina with 120 fixed steel slips able to accommodate vessels up to 32'. Water available at all slips. Other amenities include fuel (gas only), a 25 ton crane, pumpout, showers, restrooms and a mechanic on duty. Structures include a main building and a shower house. Facility is protected from wave action by the rock dike.



5. Dock of the Bay Marina: Privately owned marina with 181 steel and wood slips. Electric, water and cable available at all slips. Other amenities include pumpout, showers, restrooms and a picnic area with grills.



6. Sandusky Yacht Club: Privately owned marina with over 250 floating slips able to accommodate vessels up to 75'. Electric, water, telephone and cable available at all slips. Other amenities include pumpout, showers, restrooms, a restaurant and bar, laundry facilities, a fitness room and a picnic area with grills. Breakwater failure would have minimal impact due to private breakwalls between dockage and harbor.



7. Battery Park Marina: Privately owned marina with 650 fixed and floating steel and wood slips able to accommodate vessels up to 55'. Seasonal rates range from \$550-3050. Electric and water available at all slips. Other amenities include fuel (gas and diesel), pumpout, showers, restrooms, a restaurant, a private pool, a 5 acre wooded park, 5 tennis courts and a mechanic on duty. Structures include a two story restaurant/clubhouse. Increased wave action in harbor would cause flooding and damage to vessels and facilities.



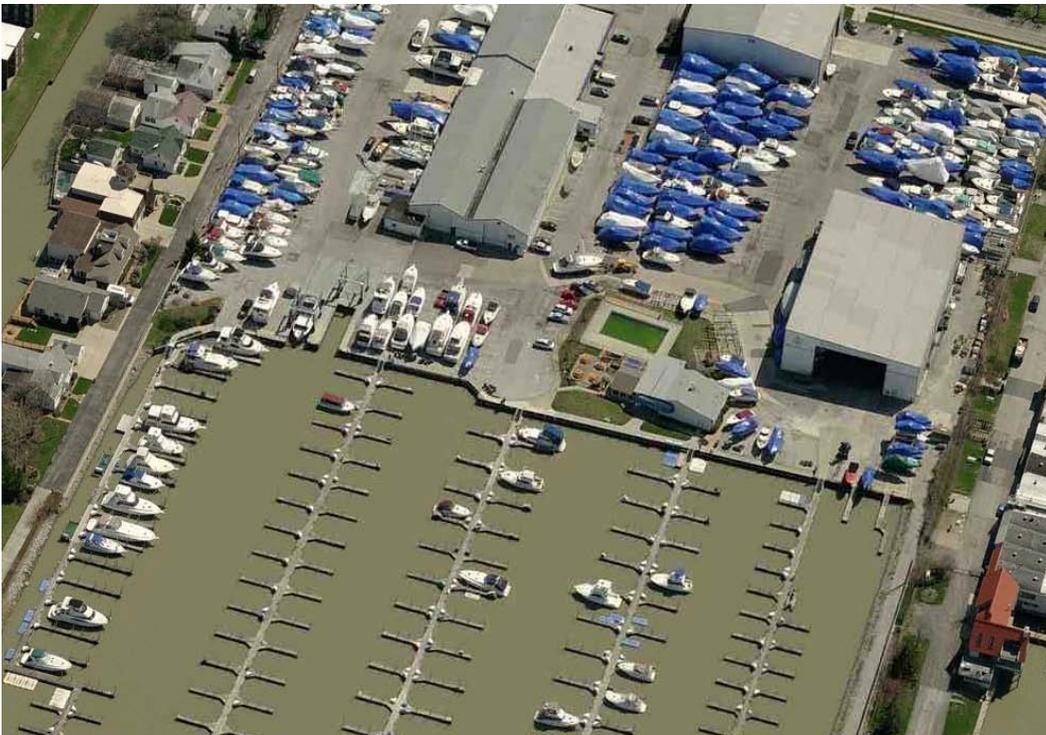
8. Sandusky Sailing Club: Privately owned marina with 140 floating slips able to accommodate sailboats up to 40'.



9. Lyman Harbor: Privately owned marina with 40 fixed and floating slips with an additional 30 transient slips able to accommodate vessels up to 40'. Other amenities include pumpout, showers, restrooms, a restaurant, a night club and banquet hall.



10. Venetian Marina: Privately owned marina with 400 floating steel and plastic slips able to accommodate vessels up to 50'. Seasonal rates range from \$1,400-\$3,600. Electric and water available at all slips. Other amenities include fuel (gas only), 2 travel lifts (25 and 35 ton capacities), pumpout, showers, restrooms, a community room, a private pool and a mechanic on duty. Structures include two rack storage buildings, community building and a main building.



11. Cedar Point Marina: One of the largest marinas on the Great Lakes. Full service with restaurant. Transient and resident dockage.



12. Cedar Point Amusement Park: 364 acre privately owned amusement park with hotels, beach, 17 roller coasters, Water Park and a beach. Park is protected from wave action resulting from West-North winds by the East Jetty.



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.

