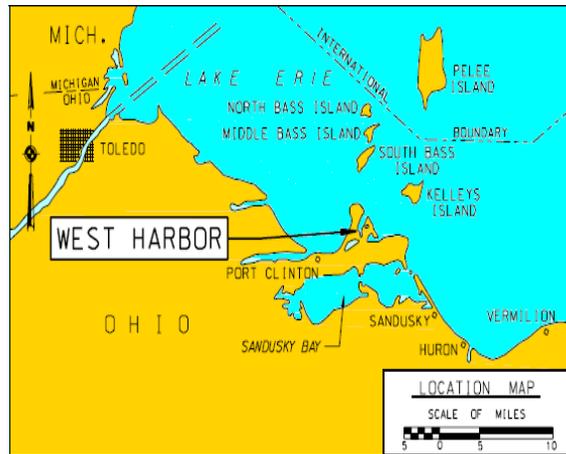




US Army Corps of Engineers

HARBOR INFRASTRUCTURE INVENTORIES

West Harbor, OH



Harbor Location: West Harbor is located on the southern shore of Lake Erie in the township of Catawba Island, OH about 50 miles east of Toledo, OH.

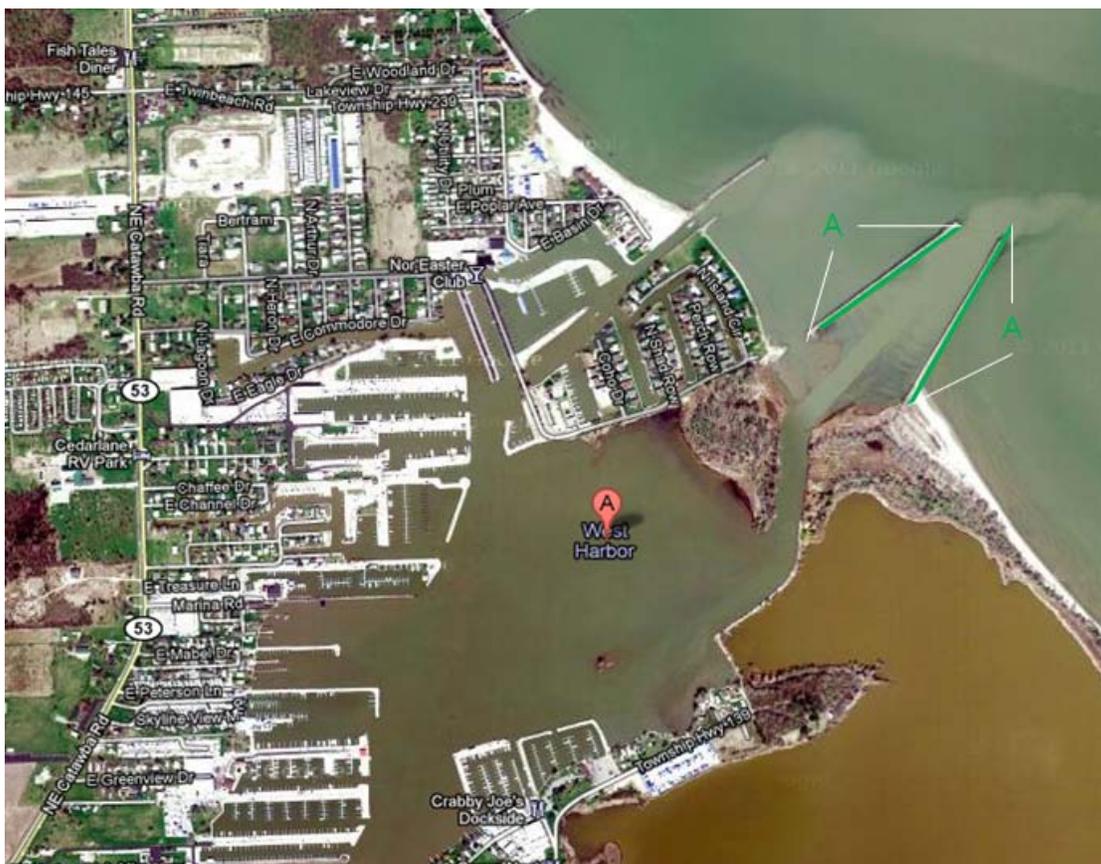
Authority: River & Harbor Act of 1965.

Project Description: Originally authorized by the River and Harbor Act of 1965, West Harbor is a shallow draft recreational harbor. Protective structures consist of north and south rubblemound stone arrowhead breakwaters with a total length of 2,925'.

Congressional Interest:

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

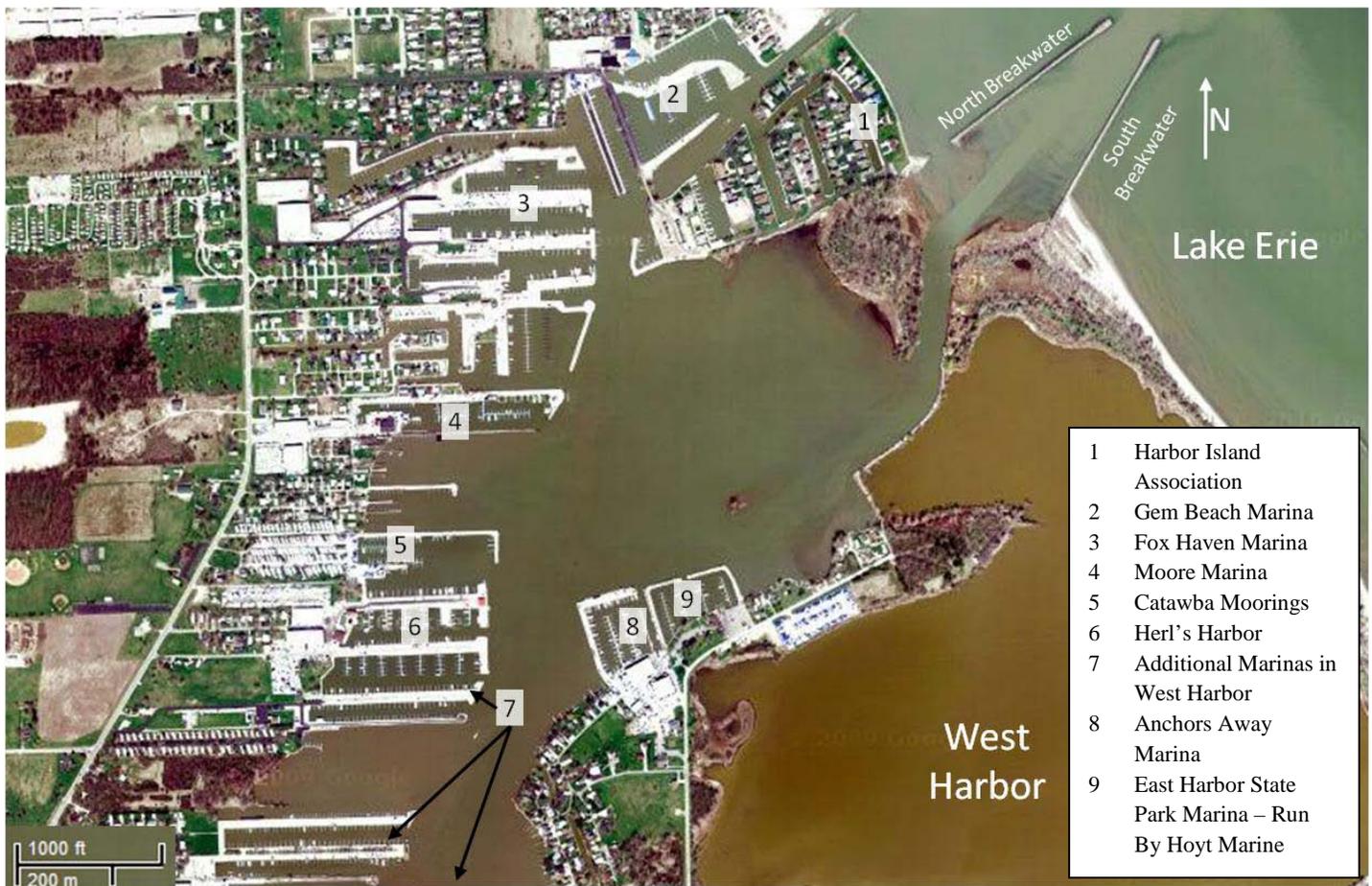
Current Condition Assessment: **A**



Date of Site Visit: 14 June 2010.

Summary of Impact: Prevailing waves come from the northwest to southeast direction. Failure of either breakwater would cause increased shoaling in the Federal channel as well as increased wave action in the harbor under a north - northwest wind. The marinas located in the harbor are all sufficiently protected by internal seawalls, so that there would be no direct impact on them in the event of failure, however limited lake access would be detrimental to marina operations. The breakwaters protect the private beach of the Harbor Island Association to the west and the State Park beach to the east. Increased wave action resulting from breakwater failure would cause erosion to both of these beaches. Multiple marina owners reported problems with the gap between the north breakwater and the shoreline causing sedimentation in the channel. One owner stated that the gap was designed to accommodate a water intake line that is no longer in place.

Examples of Protected Infrastructure:



1. Harbor Island Association: 57 Home private community with a private beach and limited access. Homes and beach are protected from West-Northwest winds by the breakwaters.



2. Gem Beach Marina: Privately owned marina built in the 1920's with 375 floating and fixed plastic, wood and steel slips able to accommodate vessels up to 45'. Seasonal rates range from \$975-\$2495. Electric and water is available at all slips. Two travel lifts (35 ton and 15 ton capacity) and fuel (gas and diesel) are available. Other amenities include pumpout, a mechanic on duty, showers, restrooms, restaurant, pool, private beach, private boat launch, service department and ships store. The majority of vessels exit bay through a private channel, however taller vessels docked inland of the Harbor Island Causeway are reliant on the federal channel for access to lake.



3. Fox Haven Marina: Privately owned marina built in 1954 with over 550 floating and fixed concrete, wood and steel slips. Able to accommodate vessels up to 70' however most slips range from 22'-50'. Seasonal rates range from \$500-\$3,350. Electric and water available at all slips. Two travel lifts (20 ton and 10 ton capacity) and fuel (gas and diesel) are available. Other amenities include pumpout, a mechanic on duty, showers, restrooms, 7 storage buildings, forklift and in and out racks. Vessels rely on federal channel for access to lake.



4. Moore Marina: Privately owned marina built in 1970 with 111 floating plastic and steel slips able to accommodate vessels up to 50'. Seasonal rates are \$2,000 and transient rates are \$1.50 per foot per night. Electric and water available at all slips. A 30 ton travel lift and fuel (gas only) are available. Other amenities include pumpout, a mechanic on duty, showers and restrooms. Structures include a rack building, service building, showroom building and a storage building. Vessels rely on federal channel for access to lake.



5. Catawba Moorings: Privately owned marina built in 1982 with 200 fixed and floating wood, concrete and steel slips able to accommodate vessels up to 50'. Seasonal rates range from \$1,600 to \$3,100. Electric and water available at all slips. Two travel lifts (35 ton and 25 ton) and fuel (gas and diesel) are available. Other amenities include pumpout, a mechanic on duty, showers, restrooms, a pool and restaurant. Structures include a gas dock building, rest room building and office building. Vessels rely on federal channel for access to lake.



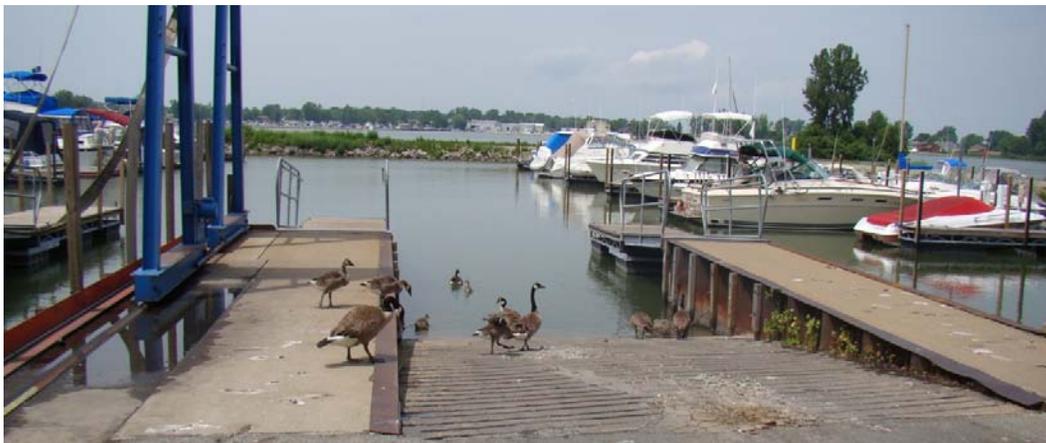
6. Herl's Harbor: Privately owned marina built in 1984 with 220 fixed and floating concrete and steel slips able to accommodate vessels up to 40'. The seasonal rate is \$1,275 and the transient rate is \$25. Electric and water available at all slips. Other amenities include pumpout, showers, restrooms and a picnic area. Structures include an office building. Vessels rely on federal channel for access to lake. Owner would like to see the northern breakwater closed as he feels that this is a major source of sedimentation of the Federal Channel.

7. Additional Marinas in West Harbor: Additional marinas located further up West Harbor dependent on open channel navigation to Lake Erie

8. Anchors Away Marina: Privately owned marina built in 1984 with 164 fixed and floating steel slips able to accommodate vessels up to 45' and rack storage for 187 additional vessels in rack storage. The seasonal rate ranges from \$1,400 to \$2,100 and the transient rate is \$1 per foot per night. Electric and water available at all slips. Other amenities include a restaurant, cable, pumpout, showers and restrooms. Structures include a shop building, 2 rack buildings, office building, and a restaurant. Vessels rely on federal channel for access to lake. Owner would like to see the northern breakwater closed as he feels that this is a major source of sedimentation of the Federal Channel.



9. East Harbor State Park Marina - Run by Hoyt Marine: Privately operated marina leased from the state with 125 floating galvanized, treated lumber and plastic slips able to accommodate vessels from 20' to 40'. Seasonal rates range from \$850 to \$2,100. Electric and water available at all slips. A 20 ton travel lift and fuel (gas only) are available. Other amenities include pumpout, a mechanic on duty, showers, restrooms, a community room, kitchen and boat ramp. Structures include a main building. Vessels rely on federal channel for access to lake.



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.

