



US Army Corps
of Engineers®

HARBOR INFRASTRUCTURE INVENTORIES Barcelona Harbor, NY



Harbor Location: Barcelona Harbor is located on the southern shore of Lake Erie in the Hamlet of Barcelona, NY in the Town of Westfield, NY about 65 miles southwest of Buffalo.

Authority: River & Harbor Act of 1945.

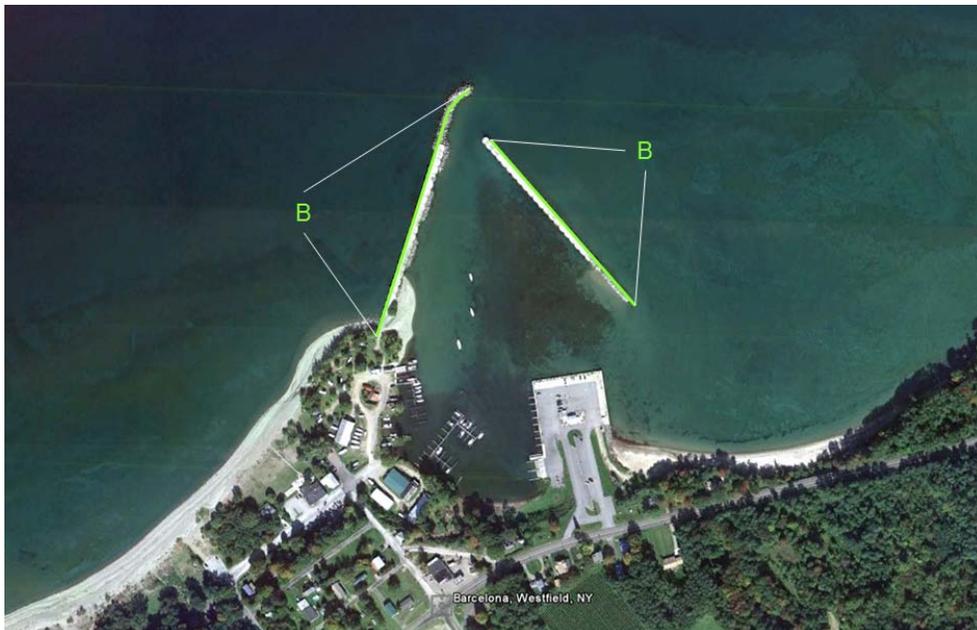
Project Description: Barcelona Harbor is a shallow draft recreational harbor. Protective structures consist of east and west breakwaters with a combined length of 1,730'.

Transportation Importance: Supports 9 charter fishing boats generating approximately \$73,500 in net income annually. Also supports 2 licensed commercial fishing boats, a chartered diving operation, and is a harbor of refuge.

Congressional Interest:

- Representative Brian Higgins D-NY-27
- Senator Kirsten Gillibrand D-NY
- Senator Charles Schumer D-NY

Current Condition Assessment: **B**



Date of Site Visit: 27 May 2010

Summary of Impact: Prevailing waves come from the southwest, west, or northwesterly direction, impacting the west breakwater. Should the breakwater fail, immediate effects would be increased wave action in the harbor, and an increase in sediment build up. The small peninsula that Monroe Marina is situated on would be at an increased risk of erosion. Increased wave action would likely cause damage to facilities and private vessels.

Examples of Protected Infrastructure:



1. Barcelona Harbor Launching Ramp and Daniel Reed Pier: Municipally owned marina built in 1986 with 16 aluminum fixed slips able to accommodate up to 28' boats, all transient. Slips are \$10 per night. 4 Launch ramps, \$5 per launch. Parking is available for up to 160 boats and tow vehicles. Facility supports 9 charter fishing vessels, 1 dive boat and 2 commercial fishing boats. Main concerns are with dredging. Presently, Most of the entrance is at or near project depth; however, depths in the harbor basin range from an average of 7 ft at the north end to an average of 2 ft at the southern end. The shallow depths have limited the dockage. There are also moorings for 3 sailboats that have been grandfathered in from the building of the breakwaters. Office sells fishing licenses, season passes and daily launch tickets. Some picnic tables and a non swimming beach.

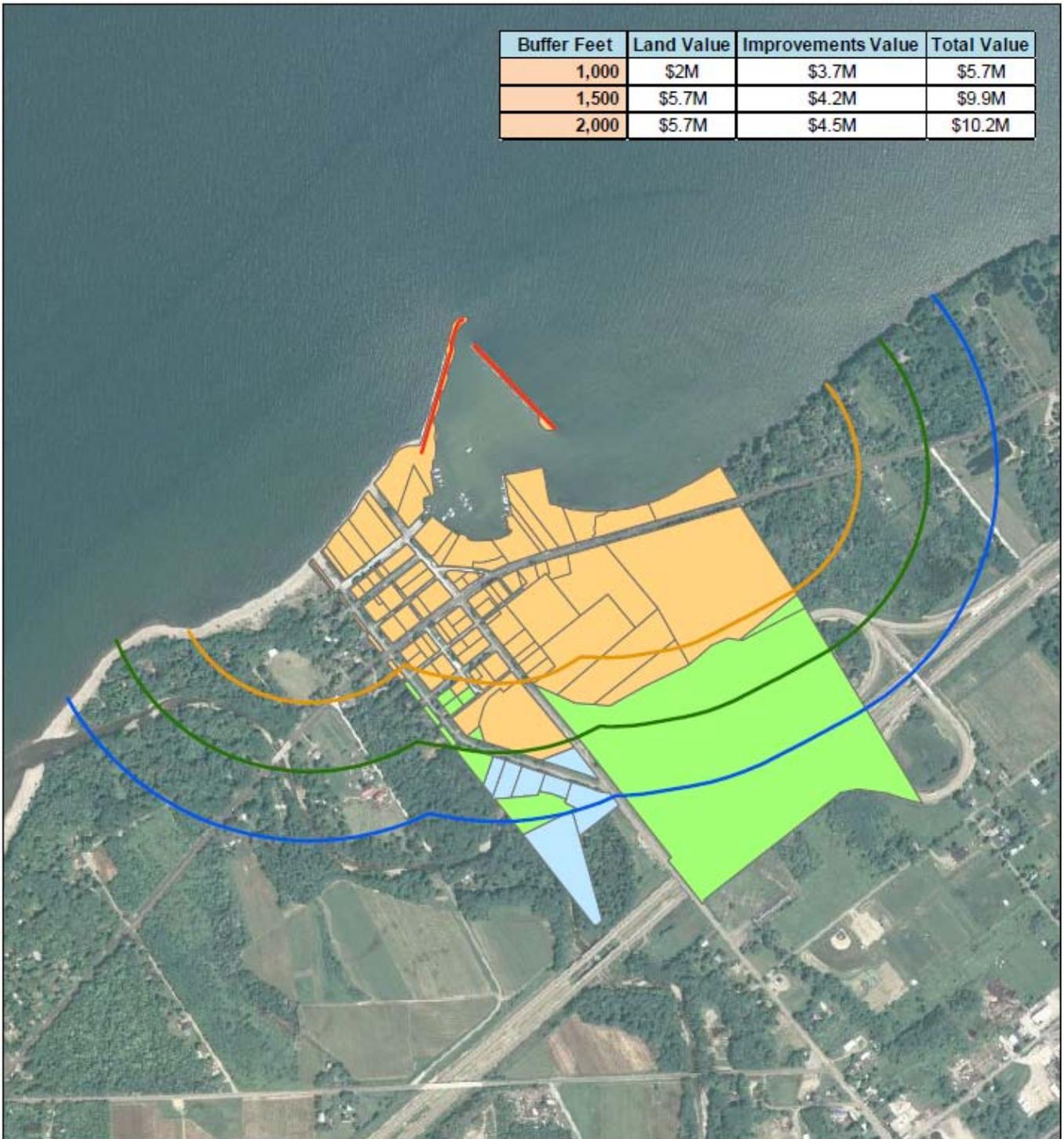


2. Monroe Marina: Privately owned marina built in 1960 with 72 steel fixed slips able to accommodate up to 35' boats, all seasonal. Rates range from \$750-850 per season with electric and water available. Fuel sales, gas only. 60 ton travel lift, ships store. Main concerns are with dredging and with material washing over the west breakwater. Owner states that in a strong storm, silt and sand washes over breakwater into harbor. Owner would like to see additional stone placed along breakwater to prevent this. Additionally, the owner would like advance notice as to when dredging will occur, so that he can arrange for dredging around his own docks.



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.

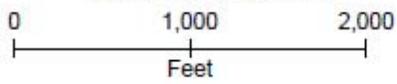
Buffer Feet	Land Value	Improvements Value	Total Value
1,000	\$2M	\$3.7M	\$5.7M
1,500	\$5.7M	\$4.2M	\$9.9M
2,000	\$5.7M	\$4.5M	\$10.2M



- Federal Structure
- Shoreline_1000_ft_buffer
- Shoreline_1500_ft_buffer
- Shoreline_2000_ft_buffer
- Parcels_1000_ft_buffer
- Parcels_1500_ft_buffer
- Parcels_2000_ft_buffer

BARCELONA HARBOR

Westfield, NY



Imagery Source - NAIP 2011

