



US Army Corps  
of Engineers®

## HARBOR INFRASTRUCTURE INVENTORIES Oak Orchard Harbor, New York



**Harbor Location:** Oak Orchard Harbor is located on the southern shore of Lake Ontario at the mouth of Oak Orchard Creek in the village of Point Breeze, NY about 40 miles west of Rochester, NY.

**Authority:** River & Harbor Act of 1945

**Project Description:** Oak Orchard Harbor is a shallow draft recreational harbor. Protective structures consist of east and west rubblemound stone jetties and a detached steel sheet pile with a concrete cap breakwater with a total length of 2,120'.

**Transportation Importance:** Supports 33 charter fishing boats generating approximately \$269,000 in net income annually, and is a harbor of refuge.

### Congressional Interest:

- Representative Louise Slaughter D-NY-28
- Senator Kirsten Gillibrand D-NY
- Senator Charles Schumer D-NY

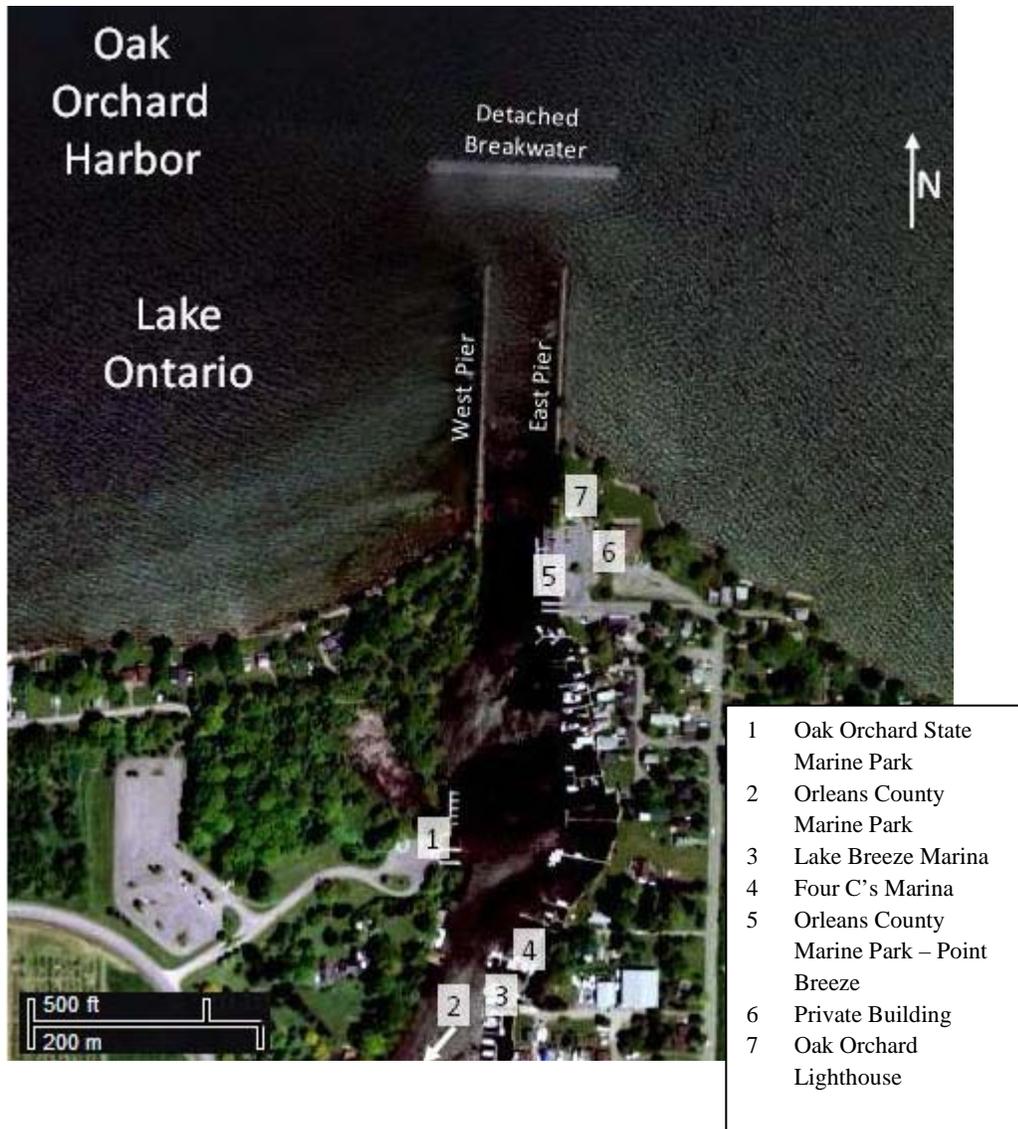
**Current Condition Assessment:** **A**



**Date of Site Visit:** 25 May 2010

**Summary of Impact:** Prevailing waves come from the northwest to northeast direction. Failure of the jetties and breakwater would result in an increase in wave action propagating up Oak Orchard Creek. Increased wave action would result in flooding of the Oak orchard Lighthouse and the privately owned structure located at the shoreside of the east jetty. Additionally, there would be damage to vessels and facilities located up Oak Orchard Creek. Increased sedimentation would also occur at the mouth of Oak Orchard Creek, limiting lake access and requiring additional dredging.

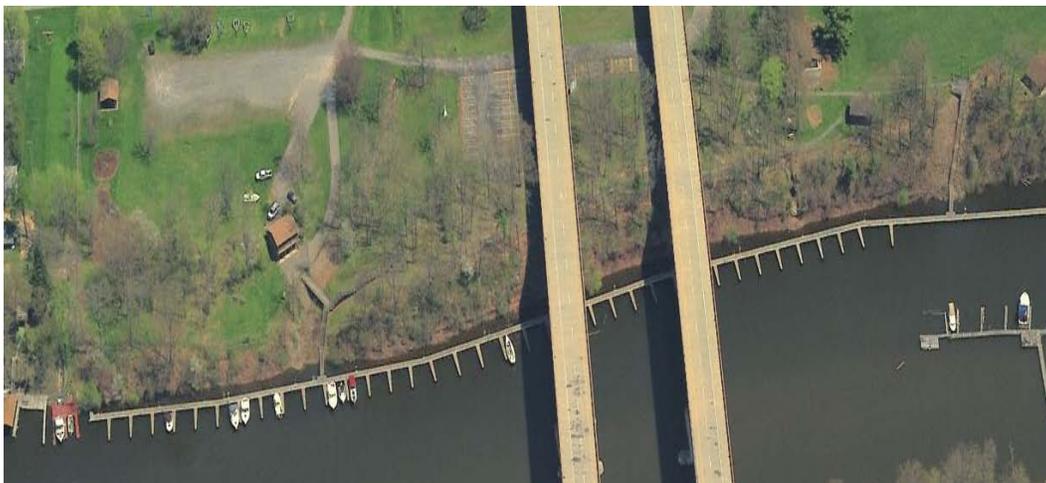
**Examples of Protected Infrastructure:**



**1. Oak Orchard State Marine Park:** State owned, municipally run launch site on the west bank of Oak Orchard Creek. Due to 2010 New York State fiscal crisis, Orleans County is running the site until 30 October 2010. The county is attempting to reach an agreement to run site permanently. The site includes 3 launch ramps with a \$6 charge per launch and 10 transient docks.



**2. Orleans County Marine Park:** Municipally owned and operated marina with 72 floating foam filled plastic slips able to accommodate vessels up to 40'. Slips have electric and water and cost between \$900 and \$1000 per season. Other amenities include showers, restrooms, and an INS phone. Coast Guard and Orleans County Sherriff patrols are based out of the park. Park covers 11 acres and features summer events. Jetties and breakwater serve to provide an open channel to the lake for vessels.



**3. Lake Breeze Marina:** Privately owned marina with 44 fixed wooden seasonal slips able to accommodate boats up to 40'. A mechanic, electric, water, pumpout, ships store, 35 ton travel lift and fuel (gas and diesel) are available. Seasonal rates are \$1200. A boat launch is also located on site. Jetties and breakwater serve to provide an open channel to the lake for vessels.



**4. Four C's Marina:** Privately owned marina with 45 fixed wooden seasonal slips able to accommodate boats up to 30'. A mechanic, electric, water, pumpout, ships store, 25 ton travel lift and fuel (gas only) are available. Seasonal rates are \$1700. Marina is also home to 10 charter fishing vessels. A boat launch is located on site. Jetties and breakwater serve to provide an open channel to the lake for vessels.



**5. Orleans County Marine Park – Point Breeze:** Municipally owned and operated marina with a 160' long plastic slip for transient use able to accommodate vessels up to 160'. Also has a free boat launch with 2 ramps and restrooms. Jetties and breakwater serve to provide calm waters for launching, dockage and an open channel to the lake.



**6. Private Building:** 2 story private structure located adjacent to the east jetty.

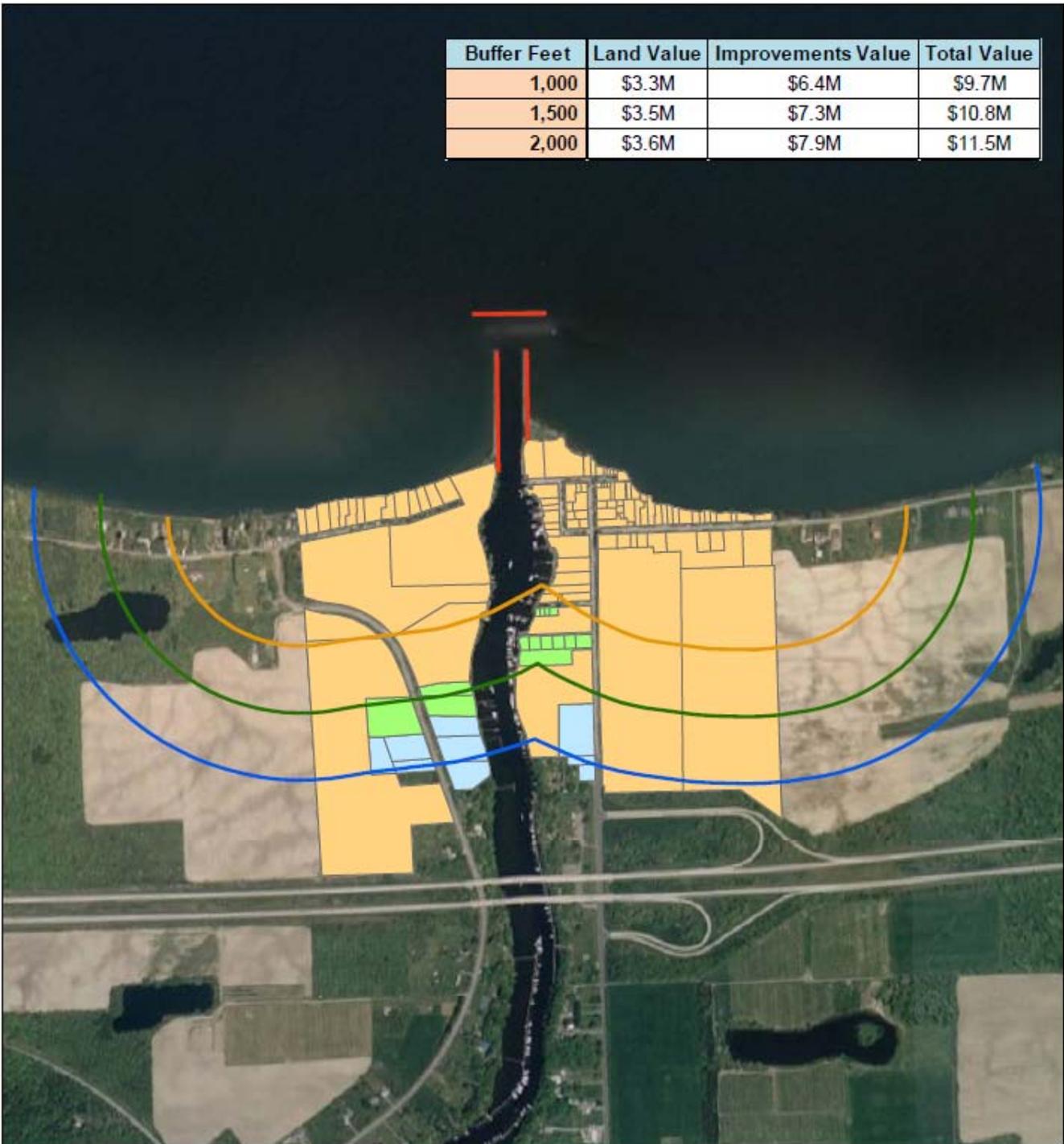


**7. Oak Orchard Lighthouse:** Reconstruction of a lighthouse that stood on the site from 1871 to 1916.



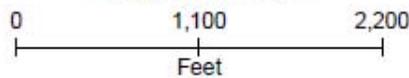
**Potential Impact Area:** The following graphic displays property parcels that could be impacted within various zones defined by different setbacks from the shoreline behind existing Federal coastal structures. Values are based on real property tax assessments from these parcels, and don't reflect any detailed coastal zone damage assessments. Figures simply reflect property values at various setbacks.

Buffer Feet	Land Value	Improvements Value	Total Value
1,000	\$3.3M	\$6.4M	\$9.7M
1,500	\$3.5M	\$7.3M	\$10.8M
2,000	\$3.6M	\$7.9M	\$11.5M



- 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

## OAK ORCHARD HARBOR Carlton, NY



Imagery Source- NAIP 2011



Created May 2012- by T. Crockett- Buffalo District