



**US Army Corps  
of Engineers**®  
Detroit District

## HARBOR INFRASTRUCTURE INVENTORIES Lexington Harbor, Michigan



**Harbor Location:** Lexington Harbor is located on the west shore of Lake Huron about 20 miles north of Port Huron, MI.

**Authority:** Rivers & Harbors Act of 27 October 1965.

**Project Description:** Lexington Harbor is a shallow draft recreational harbor with more than 2,400 feet of breakwaters and over 217,000 sq. ft of maintained Federal channel. The harbor itself is protected by a north breakwater roughly 1,900 feet in length and by a south breakwater, 700 feet long.

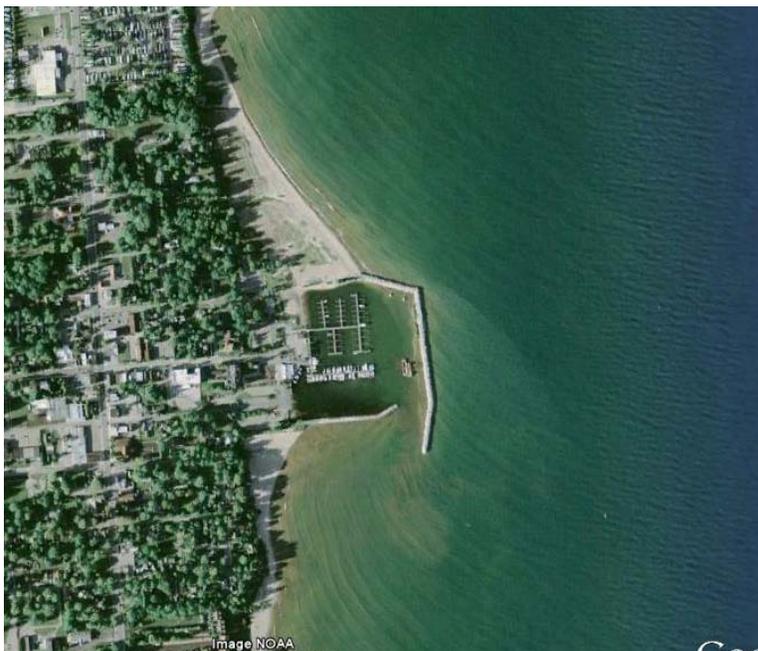
**Traffic:** No commerce reported.

**Transportation Importance:** This project serves as an important Harbor of Refuge and supports charter fishing and recreational navigation interests. The local community has established a significant infrastructure around the harbor facilities that generates income from harbor users and visitors to the area, and supports a public and private marina totaling 190 seasonal and transient slips.

### **Congressional Interest:**

- Representative Candice S. Miller R-MI-10
- Senator Carl Levin D-MI
- Senator Debbie Stabenow D-MI

**Current Condition Assessment:** **B**



**Date of Site Visit:** 04 June 2010

**Summary of Impact:** Prevailing waves come from both northerly and southerly directions. Overtopping waves could have an immediate impact on the two marinas located inside the breakwaters. Any significant wave activity within the harbor could damage vessels moored at the marinas. Additionally, the overtopping waves could deposit littoral material moving alongshore that could potentially increase the rate of shoaling within the federal channel. Presently, the two marinas within the harbor are sufficiently protected, but could be exposed to greater wave heights under the right conditions. In both cases, an increased wave climate could result in damage to docked vessels and the docks themselves. Other shore structures subject to potential inundation are the Lexington Charter Boat Company, Model-T Fishing Charters, Coconut's Café, and a village park. In the event the structures are damaged and/or destroyed during a storm event, commercial properties within the zone of influence of the Lexington Harbor could also be impacted. To the north, the village-owned Lexington Municipal Mobile Home Park and to the south, the Village of Lexington Lowlift Pump Station may also be impacted.

**Examples of Protected Infrastructure:**



**1. Lexington Charter Boat and Kayak Rentals LLC:** This privately-owned company employs approximately three people and operates from 1 May through 31 October. Daily Public one- hour Yacht Cruises on Lake Huron are offered in season. Rates are \$25.00 per Adult, \$20.00 per Senior 60 and over and \$15.00 per each child. Single and tandem kayak rentals are also available at \$10.00/hour and \$15.00/hour respectively.



**2. Olford's Marina Inc:** This is a full-service, seasonal privately-owned marina founded in 1992. The marina employs about four people and is open 1 May through 31 October. The facility consists of 71 boat wells. Seasonal rates range from \$1,995 to \$2,995 depending on the size of the vessel. Daily rates range from \$24 to \$150. The marina also offers private restrooms and showers, washers and dryers, private permit parking, electricity, water and a snack bar on the site.



**3. Michigan Department of Natural Resources Marina:** The marina is open for the boating season which extends from 1 May to 31 October. It consists of floating docks with 108 transient slips and employs 11 workers. The marina is open daily from 7 am to 10 pm. Daily dockage rates range from \$24 to \$87. Amenities at the marina include water, electricity, restrooms, showers, gasoline, diesel, pump out, ice and a boat launch.



**4. Patrick Tierney Park:** The municipal park is located at the foot of the North breakwater at Lexington. The park provides a beach area on Lake Huron as well as a playground, pier, tennis courts, volley ball nets, and a large picnic area complete with grills and picnic tables. The park hosts many events ranging from private parties to weddings and offers live concerts every Friday during the summer months.



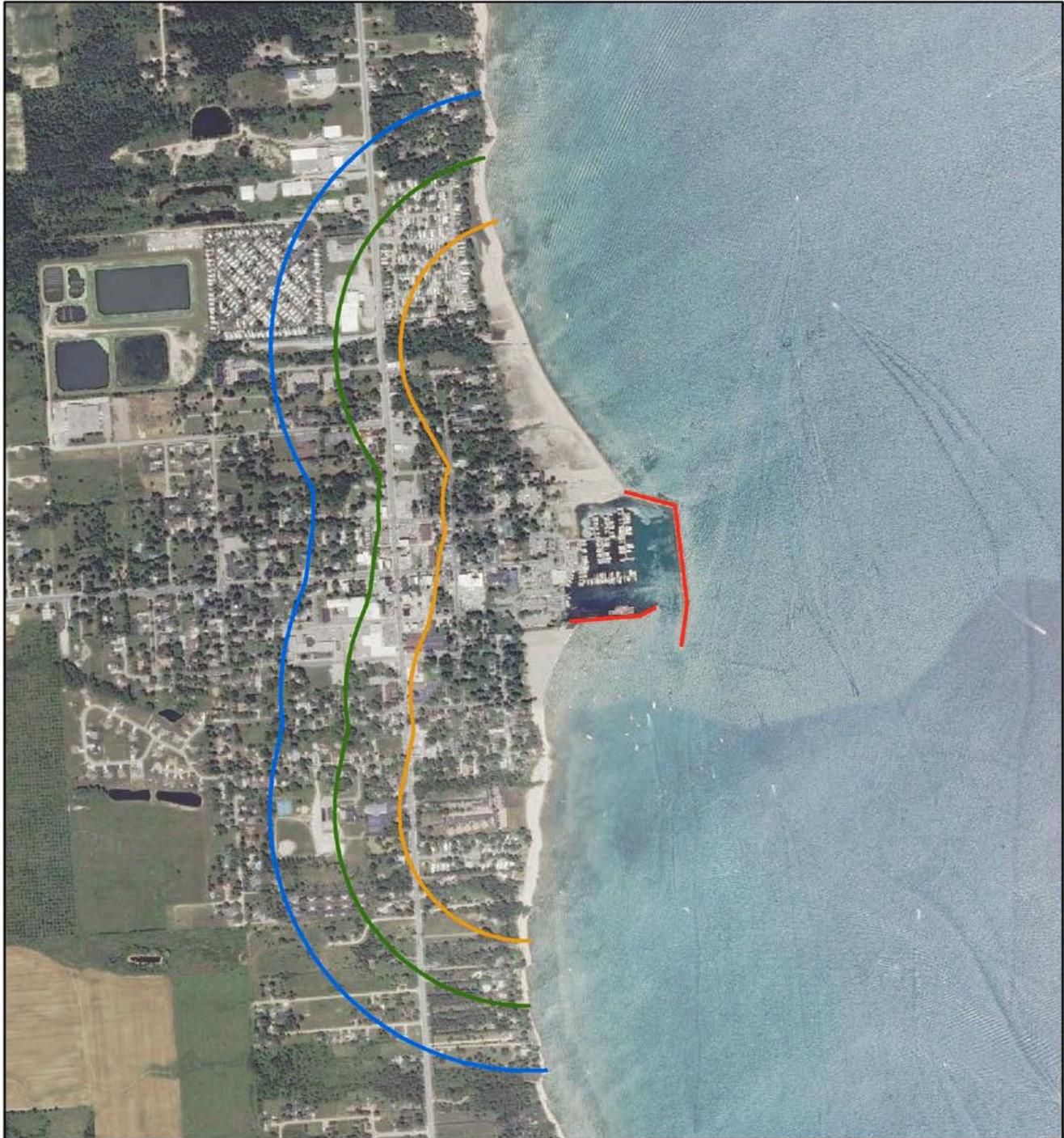
**5. Lexington Municipal Mobile Home Park:** The mobile home park is operated by the Village of Lexington. It is located about ¼-mile north of the Lexington harbor breakwaters and stretches along about 1,100 feet of Lake Huron shoreline. Over 200 mobile homes could be impacted should the Lexington Harbor structures fail.



**6. Village of Lexington Lowlift Pump Station:** The station is located at the foot of Lester Street, approximately ¼-mile south of the harbor. The building houses the raw water wet well, generators and pumps. The pumps are responsible for pumping raw water obtained from Lake Huron to the Village's water treatment plant.



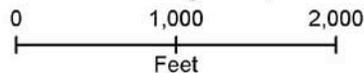
**Potential Impact Area:** The following graphic displays property parcels that could be impacted within various zones defined by different setbacks from the shoreline behind existing Federal coastal structures. Within 1,000 feet from the shoreline (1,000 ft buffer) stands the Lexington Charter Boat and Kayak Rental business, two Marina's, Mobile Home Park and water treatment pump station. These structures would all be affected by an overtopping or failure of the breakwater.



- Federal Structure
- Shoreline\_1000\_ft\_buffer
- Shoreline\_1500\_ft\_buffer
- Shoreline\_2000\_ft\_buffer

## LEXINGTON HARBOR

Lexington, MI



Imagery Source- NAIP 2010

