



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

## HARBOR INFRASTRUCTURE INVENTORIES

### Arcadia Harbor, Michigan



**Harbor Location:** Arcadia Harbor is located on the east shore of Lake Michigan, 193 miles northeast of Chicago, IL and 15 miles north of Manistee, MI.

**Authority:** River & Harbor Act of 2 Mar 1905.

**Project Description:** Arcadia Harbor is a shallow draft recreational harbor with approximately 1,100 feet of maintained federal channel between Lake Michigan and Bar Lake. Arcadia Harbor has more than 2,400 feet of maintained federal piers.

**Traffic:** No commerce reported

**Transportation Importance:** This project serves as an important Harbor of Refuge, supports charter fishing and recreational navigation interests with over 60 slips. The local community has established a significant infrastructure around the harbor facilities that generates income from harbor users and visitors to the area.

#### **Congressional Interest:**

- Representative Dan Benishek R-MI-1
- Senator Carl Levin D-MI
- Senator Debbie Stabenow D-MI

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



**Date of Site Visit:** 30 August 2010

**Summary of Impact:** If there was a breach or failure of the federal structures, the most significant impact would be to the houses on the north side. Failure of the adjacent structure could cause concern for foundation instability to some of these houses. Increased wave action could also cause damage to any boats on Bar Lake, while also increasing erosion and stability concerns for the houses on the lake shore and Michigan Highway 22.

**Examples of Protected Infrastructure:**



**1. Houses and Undeveloped Land:** On the south side of the Arcadia Harbor, there is private property in which there are a few different houses that are scattered along the shore of Bar Lake. Adjacent to the federal structure, the land is undeveloped and consists of fine sand.



**2. Starkey Road Houses:** The north side of Arcadia Harbor has several houses built along the federal structure. Starting at the north federal structure, there are several houses built along the edge of Bar Lake as well.



**3. Arcadia Beach Natural Area:** Located to the north of the Arcadia Harbor on the shore of Lake Michigan. The natural area has a playground and a beach on Lake Michigan.



**4. Michigan Highway 22:** Located on the east end of Bar Lake. The road is a two lane, two way highway with asphalt pavement. The highway is on a land bridge as it crosses the end of Bar 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.

