



Grand Haven Harbor, and Grand River, MI

Harbor Features

- Located on the east shore of Lake Michigan, 108 miles northeast of Chicago, IL and 23 miles north of Holland, MI. The Grand River originates in Jackson County, MI and flows 260 miles west into Lake Michigan.
- Authorization: River and Harbor Acts of 23 Jun 1866, and subsequent acts
- Deep draft commercial harbor
- Project depths of 23 feet in the entrance; 18 to 21 feet in the river channel and turning basin; 8 feet in the upper Grand River channel
- 138th leading U.S. port with just over 1.1M tons of material shipped or received in 2008.
- Ranked 34th in 2008 among the Great Lakes Harbors.
- Over 9,000 feet of structures including piers and revetments.
- Over 2.5 miles of maintained deep draft channel and 14.5 miles of shallow draft river channel.
- Outer channel dredged material is used for beach nourishment. Inner channel material is placed upland in a site that enables reuse.
- Major stakeholders include U.S. Coast Guard, Lake Carriers' Association, Verplank Trucking, Meekoff Dock, Construction Aggregate Corporation, St. Marys Cement, and Grand Haven Power.

Project Requirements

- Approximately 35,000 cubic yards of material must be dredged from the outer harbor annually. Approximately 20,000 to 40,000 cubic yards of material must be dredged from the inner channel on a 2 to 4 year cycle. The inner harbor and outer harbor were last dredged in 2011. The harbor will be dredged in 2012; maintenance dredging is required in 2013 as well.



- The upland placement site requires periodic maintenance to enable continued recycling of dredged material.
- Work was completed in 2011 on a section of the South Revetment that was damaged in a 2009 storm, however a large section is still in need of repair.

Consequences of Not Maintaining the Project

- Bulk commodities that pass through the harbor generate \$42M annually in direct revenue while supporting over 260 jobs and generating \$12M per year in personal income.
- Light loading; loss of between 4 and 5 feet of channel depth results in increased transportation costs of between \$3.5M and \$5.4M annually.

Transportation Importance

- Significant regional receiving port on the Great Lakes.
- Harbor of Refuge
- Commodities received include sand, gravel, cement, gypsum, coal, and manufactured goods
- The harbor is home to the U.S. Coast Guard Sector Grand Haven Station, which is responsible for subordinate commands including: search and rescue, law enforcement, ice rescue, homeland security defense operations.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2011, 2012 and 2013
Grand Haven Harbor and Grand River, MI
Project Requirements and President's Budget (\$1,000)**

Work Package	FY11 Requirement	FY11 Work Plan	FY12 Requirement	FY12 Appropriation	FY13 Requirement	FY13 President's Budget
Project Condition Surveys	202	200	208	204	195	195
Fill Management Activities						
Maintenance Dredging Outer Harbor – Primary Work Package	500	494	525	514	551	551
Maintenance Dredging Inner Harbor – Primary Work Package					594	594
Maintenance Dredging – Backlog Work Package	983		983		1,000	
Sediment Budget Analysis – Section 111	150		150		150	
Repair to Damaged Section of South Pier - Contract						
E&D for Repairs to South Revetment						
Repair South Revetment by Contract	1,775		1,775		1,800	
Other Business Lines:						
Environmental Stewardship	30	10	40		10	8
Recreation	10	10	10	10	10	10
TOTALS	3,650	714	3,691	728	4,310	1,358

Congressional Interests

- Representative Bill Huizenga R-MI-2
- Senator Carl Levin D-MI
- Senator Debbie Stabenow D-MI