



Grand Haven Harbor, and Grand River, MI

Harbor Features

- Located on the east shore of Lake Michigan, 180 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
- Five year average (2006-2010) tonnage is 965,000 tons of material shipped and received
- Ranked 40th among the Great Lakes Harbors based on five year average (2006-2010) tonnage
- 146th leading U.S. port in 2010
- 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, Grand Haven Board of Light and Power and Eagle Group.

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 outer harbor was dredged in 2012. The inner and outer harbor will be dredged in 2013; maintenance dredging in the outer harbor is also planned for 2014.



- 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

- Reduction of bulk commodities that pass through the harbor that generate \$33M annually in direct revenue while supporting 880 direct, indirect, and induced jobs that produce over \$57M per year in personal income
- Light loading; loss of between 4 and 5 feet of channel depth results in increased transportation costs of between \$3.6M and \$5.1M annually.

Transportation Importance

- Significant regional receiving port on the Great Lakes.
- Harbor of Refuge
- Large recreational tourism base that relies on the functionality of the harbor; the City of Grand Haven reports revenue of \$49M and 3,100 jobs that rely on harbor tourism.

Transportation Importance

- Commodities received include sand, gravel, salt, cement, gypsum, coal, and manufactured goods
- Adequate rail lines do not exist to deliver coal to the municipal power plant, which supplies power to over 13,500 customers.
- 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) 2012, 2013 and 2014
Grand Haven Harbor and Grand River, MI
Project Requirements and President’s Budget (\$1,000)**

Work Package	FY12 Requirement	FY12 Appropriation	FY13 Requirement	FY13 President’s Budget	FY14 Requirement	FY14 President’s Budget
Project Condition Surveys	208	204	195	195	200	200
Fill Management Activities						
Maintenance Dredging Outer Harbor – Primary Work Package	525	514	551	551	450	450
Maintenance Dredging Inner Harbor – Primary Work Package			594	594		
Maintenance Dredging – Backlog Work Package	983		1,000		1,000	
Sediment Budget Analysis – Section 111	150		150		150	
Repair to Damaged Section of South Pier - Contract						
South Revetment Repair by Contract	1,775		1,800		1,800	
Other Business Lines:						
Environmental Stewardship	40		10	8	8	8
Recreation	10	10	10	10		
TOTALS	3,691	728	4,310	1,358	3,608	658

Congressional Interests

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