



## Muskegon Harbor, MI

### Harbor Features

- Located on the east shore of Lake Michigan, 114 miles northeast of Chicago, IL.
- Authorization: River & Harbor Acts of 13 Jun 1902, 3 Mar 1935, 30 Aug 1935, 23 Oct 1962
- Deep draft commercial harbor
- Project depths – 29 and 28 feet
- 111<sup>th</sup> leading U.S. port with 2.1M tons of material shipped or received in 2008
- Ranked 27<sup>th</sup> in 2008 among the Great Lakes Harbors
- Approximately 6,500 feet of maintained Federal channel
- Dredged material from this harbor is used for beach nourishment.
- Over 6,200 feet of structures maintained, including breakwaters, piers, and revetments.
- Major stakeholders include U.S. Coast Guard, Lake Carriers' Association, Verplank, Lake Express Ferry Service, Consumers Energy, and St. Marys Cement.

### Project Requirements

- Maintenance dredging is required on a 2 to 3 year cycle; the harbor was last dredged in 2011. The harbor will be dredged in 2013.
- Navigation structures are primarily maintained by Government floating plant; Latest inspection revealed loss of critical armor stone protection; Wood cribbing is now exposed and shows signs of deterioration and resultant loss of core stone from the structure.



### Consequences of Not Maintaining the Project

- Bulk commodities that pass through the harbor generate over \$72M annually in direct revenue while supporting over 400 jobs and generating \$19M per year in personal income.
- If the harbor was closed to commercial traffic, commodities would have to be transported by rail and truck. This would increase annual emission rates by over 111,800 tons of harmful particulate matter (PM-10) and increase costs by \$379,000 due to increased railroad related accidents, and \$11.5M due to increased trucking related accidents.
- Light loading; loss of between 2 and 3 feet of channel depth results in increased transportation costs of between \$301,000 and \$573,000 annually.

### Transportation Importance

- Harbor of Refuge
- Home to the U.S. Coast Guard Station Muskegon
- Major receiving port on the Great Lakes
- Commodities include primarily sand, gravel, limestone, cement, concrete, and coal.

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

<b>Work Package</b>	<b>FY11 Requirement</b>	<b>FY11 Work Plan</b>	<b>FY12 Requirement</b>	<b>FY12 Appropriation</b>	<b>FY13 Requirement</b>	<b>FY13 President's Budget</b>
Project Condition Surveys	72	71			80	80
Maintenance Dredging – Primary Work Package	800	792			531	531
Maintenance Dredging – Backlog Work Package						
Breakwater Repairs – by Gov. Floating Plant	300		700	686	297	
E&D for Repairs to N. Breakwater			175		175	
Sediment Budget Analysis – Section 111	150		150		150	
<b>TOTALS</b>	<b>1,322</b>	<b>863</b>	<b>1,025</b>	<b>686</b>	<b>1,233</b>	<b>611</b>

**Congressional Interests**

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