



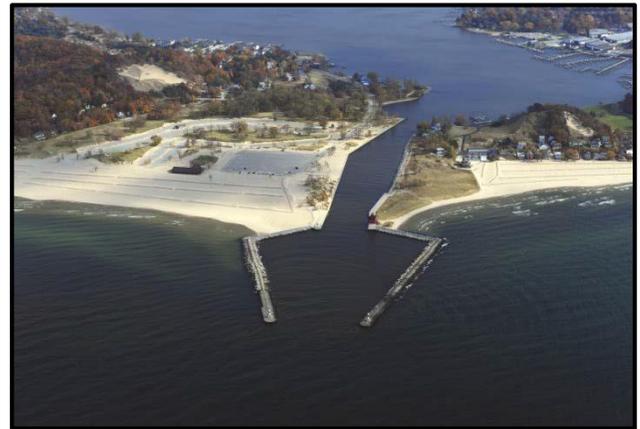
Holland Harbor, MI

Harbor Features

- Located on the east shore of Lake Michigan 95 miles northeast of Chicago, IL and 23 miles south of Grand Haven, MI.
- Authorization: River & Harbor Acts of 30 Aug 1852, 2 Mar 1867, 3 Mar 1899, 3 Mar 1905, 3 Jul 1930, 30 Aug 1935, 3 Sep 1954
- Deep draft commercial harbor
- Project depths of 23 feet in the entrance; 21 feet in inner channel and Lake Macatawa.
- 207K tons of material shipped and received in 2013
- Over 5,500 feet of structures including breakwaters, piers, and revetments
- Over 6.5 miles of maintained channel
- Outer harbor dredged material is used for beach nourishment.
- The city of Holland operates the Lakewood Road dredged material placement site which enables recycling of material dredged from the inner harbor and Lake Macatawa.
- Major stakeholders include U.S. Coast Guard, Brewer's City Dock Inc., Holland Public Works, Lake Michigan Contractors Inc., Padnos Iron and Metal, and Verplank Trucking.

Project Requirements

- Approximately 35,000 cubic yards of material must be dredged from the outer harbor annually. Approximately 45,000 to 65,000 cubic yards of material must be dredged from the Lake Macatawa channel on a 2 to 4 year cycle.
- Maintenance dredging of the outer harbor was completed in 2015.
- There are plans to dredge the outer harbor in 2016.



Consequences of Not Maintaining the Project

- Reduction of bulk commodities that pass through the harbor that generate nearly \$68.6M annually in business revenue while supporting 408 direct, indirect, and induced jobs that produce \$19.4M per year in personal income in transportation and commodity related industries.
- If the harbor were closed to commercial traffic, commodities would have to be transported by rail and truck. This would increase annual emission rates by nearly 7M lbs of harmful particulate matter (PM-10) and increase costs by \$27,000 due to increased railroad related accidents, and \$2.4M due to increased trucking related accidents.
- Light loading; loss of between 4 and 5 feet of channel depth results in increased transportation costs of between \$677K and \$1.0M annually.

Transportation Importance

- Major regional receiving port on the Great Lakes and Harbor of Refuge
- Commodities received include limestone, coal, scrap metals, sand, and gravel.
- U.S. Coast Guard Station Holland resides within the harbor.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2015, 2016 and 2017
Holland Harbor, MI - Project Requirements and President's Budget (\$1,000)**

Work Package	FY15 Requirement	FY15 Appropriation	FY16 Requirement	FY16 Appropriation	FY17 Requirement	FY17 President's Budget
Maintenance Dredging of Outer Harbor – Primary Work Package	775	635	750	750	650	650
Maintenance Dredging of Inner Harbor – Primary Work Package						
Maintenance Dredging – Backlog Work Package	456		456		456	
Structural Repairs – by Govt. Floating Plant						
Sediment Budget Analysis – Section 111	150		150		150	
CDF Fill Management Activities						
TOTAL	1,381	635	1,356	750	1,256	650

Congressional Interests

- Representative Bill Huizenga R-MI-2
- Senator Gary Peters D-MI
- Senator Debbie Stabenow D-MI