



US Army Corps
of Engineers ®



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: Rivers & Harbors 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: 23 feet in the entrance, 21 feet in inner channel and Lake Macatawa
- 594K tons of material shipped and received in 2021
- Approximately 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: U.S. Coast Guard, Brewer's City Dock 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 (Inner Harbor) on a 2-to-4-year cycle.
- Maintenance dredging of the inner and outer harbor is currently required. Outer Harbor dredging was completed in FY23. Dredging for both inner and outer harbor was identified in FY24 President's Budget.
- Beach nourishment will be accomplished using FY22 and FY23 funds.
- Repairs to the north breakwater, north revetment and south breakwater head are currently required.



- Design of repairs to the North Revetment is being accomplished using FY22 funds.
- Critical structure safety maintenance was accomplished using FY22 funds. Additional critical structure safety maintenance is required.

Consequences of Not Maintaining the Project

- 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 3.4M lbs. of harmful particulate matter (PM-10) and increase costs by \$764K due to increased railroad related accidents, and \$511K 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 \$1.4M and \$1.9M annually.

Transportation Importance

- Regional receiving port on the Great Lakes and harbor of refuge
- Commodities received include limestone, scrap metals, sand, gravel, and stone.

Transportation Importance (cont'd)

- Waterborne transportation facilitated by the harbor supports \$18.7M in business revenue, 96 direct, indirect, and induced jobs, and \$6.2M in labor income to the transportation sector.
- U.S. Coast Guard Station Holland resides within the harbor.
- Commodities handled by the harbor support \$24.7M in business revenue, 148 direct, indirect, and induced jobs, and \$7.5M in labor income.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2022, 2023, and 2024
Holland Harbor, MI – Project Requirements and President’s Budget (\$1,000)**

Work Package	FY22 Requirement	FY22 Appropriation*	FY23 Requirement	FY23 Appropriation	FY24 Requirement	FY24 President’s Budget
Maintenance Dredging of Outer Harbor Package	500	0	300	0	530	530
Maintenance Dredging of Inner Harbor Package	0	0	1,000	800	1,000	1,000
Section 111 Beach Nourishment Activities	500	500	500	500	0	0
North Revetment Repairs - Engineering and Design	750	750*	0	0	0	0
North Revetment Repairs - Construction	8,000	0	8,000	0	10,400	0
North Breakwater Repairs - Engineering and Design	1,000	0	1,000	0	1,000	0
South Breakwater Head - Engineering and Design	200	0	500	0	550	0
Critical Structure Safety Maintenance	100	100*	0	0	50	0
Navigation Structure Condition Assessment	0	0	0	0	100	0
Real Estate Management	16	16	17	17	17	17
TOTAL	11,066	1,366	11,317	1,317	13,677	1,547

**Funded with supplemental funds, Bipartisan Infrastructure Law (BIL)*

Congressional Interests

- Representative Bill Huizenga R-MI-4
- Senator Gary Peters D-MI
- Senator Debbie Stabenow D-MI