



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
- 483K tons of material shipped and received in 2019
- 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: 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 on a 2 to 4 year cycle.
- Maintenance dredging of the inner and outer harbor is currently required.
- Beach nourishment is currently required.
- Repairs to the north breakwater, north revetment and south pier head are currently required.
- Critical breakwater safety maintenance is currently 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.
- 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.
- Commodities handled by the harbor support \$24.7M in business revenue, 148 direct, indirect, and induced jobs, and \$7.5M in labor income.

Transportation Importance (cont'd)

➤ FY21 Work Plan provided funding for maintenance dredging of inner and outer harbor.

➤ U.S. Coast Guard Station Holland resides within the harbor.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2020, 2021, and 2022
Holland Harbor, MI - Project Requirements and President's Budget (\$1,000)**

Work Package	FY20 Requirement	FY20 Appropriation	FY21 Requirement	FY21 Appropriation	FY22 Requirement	FY22 President's Budget
Maintenance Dredging of Outer Harbor – Primary Work Package	700	700	800	800	500	0
Maintenance Dredging of Inner Harbor – Primary Work Package	0	0	830	830	830	0
E&D and Construction – North Revetment Repairs	0	0	750	0	8,500	0
Repairs to North Breakwater and Revetment Sections A, B and Q	0	0	0	0	9,500	0
South Pierhead Repairs	0	0	0	0	2,000	0
Critical Breakwater Safety Maintenance	0	0	0	0	50	0
Beach Nourishment	500	0	500	0	500	500
Real Estate Management	16	0	16	16	16	16
TOTAL	1,216	700	2,896	1,646	21,896	516

Congressional Interests

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