



US Army Corps
of Engineers ®



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: Rivers & Harbors Acts of 23 Jun 1866, and subsequent acts
- Deep draft commercial harbor
- Project depths: 23 feet in the entrance, 18 to 21 feet in the river channel and turning basin, and 8 feet in the upper Grand River channel
- 1.7M tons of material shipped and received in 2021
- Ranked 28th in tonnage among the Great Lakes harbors in 2021
- 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 which has not been maintained
- Outer channel dredged material is used for beach nourishment. Inner channel material is placed upland in a site that enables reuse.
- Major stakeholders: U.S. Coast Guard, Construction Aggregate Corporation, Grand Haven Board of Light and Power, Meekoff Dock Inc., St. Marys Cement Inc., and Verplank Trucking

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. Dredging requirements vary relative to shoaling patterns, usage, placement site and environmental coordination efforts.



- Outer harbor dredging is funded in FY23, and has been identified in the FY24 President's Budget.
- Section 111 beach nourishment was conducted with FY22 funds and has also been funded in FY23.
- Sediment sampling, analysis, and environmental coordination has been identified in FY24 President's Budget.
- Dredged material management preliminary assessment was initiated in FY22 and will be completed in FY23.
- Funding was received in FY23 for engineering and design of repairs to South Pierhead and South Revetment Sections L and M resurfacing.
- Design and construction of repairs to the North Pier and addition of a wave attenuator will be completed using BIL funds. Funding to design required repairs of the remaining sections of the North Pier was received in FY23.

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 over 10.5M lbs. of harmful particulate matter (PM-10) and increase costs by \$2.4M due to increased railroad related accidents and \$1.6M due to increased truck related accidents.
- Light loading; loss of between 4 and 5 feet of channel depth results in increased transportation costs of between \$4.0M and \$5.7M annually.

Transportation Importance

- Significant regional receiving port on the Great Lakes
- Commodities received include sand, gravel, salt, cement, gypsum, coal, and manufactured goods.
- Waterborne transportation facilitated by the harbor supports \$88.8M in business revenue, 456 direct, indirect, and induced jobs, and \$29.5M in labor income to the transportation sector.
- Commodities handled by the harbor support \$3.9B in business revenue, 23,749 direct, indirect, and induced jobs, and \$1.2B in labor income.
- Adequate rail lines do not exist to deliver coal to the municipal power plant, which supplies power to over 13,500 customers.
- Grand Haven is a critical 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
- 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, and homeland security defense operations.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2022, 2023, and 2024
Grand Haven Harbor and Grand River, 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 Outer Harbor	800	800	750	750	760	760
Maintenance Dredging Inner Harbor	855	0	855	0	855	0
Sediment Sampling, Analysis, and Environmental Coordination	0	0	200	0	200	200
Section 111 Beach Nourishment Activities	500	500	500	500	0	0
Dredged Material Management Preliminary Assessment	75	75	75	75	0	0
Resident Office Facility Maintenance	300	300	0	0	0	0
North Pier Wave Attenuator - Engineering & Design	2,200	2,200	0	0	0	0
North Pier Wave Attenuator - Construction	7,500	7,500*	0	0	0	0
North Pier Section A - Engineering and Design	0	0	570	570	0	0
South Pierhead Repair and South Revetment Sections L-M Resurfacing Engineering and Design	850	0	850	850	0	0
Critical Structure Safety Maintenance	50	0	200	200*	0	0
Government Basin Shore Protection	1,200	0	1,200	1,200	0	0
Real Estate Management	30	30	27	27	31	31
Cultural Resources Management and Curation	19	19	18	18	20	20
Environmental Compliance (ERGO) Management	10	10	5	5	11	11
TOTAL	14,389	11,434	5,250	4,195	1,877	1,022

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

Congressional Interests

- Representative Hillary Scholten D-MI-3
- Senator Gary Peters D-MI
- Senator Debbie Stabenow D-MI