



Ludington Harbor, MI

Harbor Features

- Located on the east shore of Lake Michigan, 156 miles northeast of Chicago, IL and 67 miles north of Grand Haven, MI
- Authorization: Rivers & Harbors Acts of 2 Mar 1867, 3 Mar 1899, 2 Mar 1907, 31 Dec 1970
- Deep draft commercial harbor
- Project depths: 27 to 30 feet in the entrance channel and 18 feet deep in the basins
- 402K tons of material shipped and received in 2019
- Over 8,700 feet of structures including breakwaters, piers, and revetments
- Over one mile of navigation channel
- Municipal marina services approximately 1,100 transient boats per year
- Major stakeholders: U.S. Coast Guard, Dow Chemical, Lake Michigan Car Ferry service (S.S. Badger), Pere Marquette Shipping, Reith and Riley Asphalt, and multiple charter boat fishing interests

Project Requirements

- Approximately 56,000 to 75,000 cubic yards of material must be dredged on a 2-to-3-year cycle. The harbor was last dredged in spring 2020 with FY19 funds.
- Maintenance dredging is currently required.
- Beach nourishment is authorized and required
- Repairs to South Revetment are required.
- Repairs to the north and south breakwaters are required.
- Critical breakwater maintenance is currently required.

Consequences of Not Maintaining the Project

- Shoaling can require vessels to light load, creating higher transportation costs.
- Deterioration of navigation structures results in worsened wave climate, accelerated shoaling, and public safety hazard.



- Light loading: losses of between 4 and 6 feet of channel depth would result in increased transportation costs of between \$44,000 and \$101,000 annually.
- 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 3.9M lbs of harmful particulate matter (PM-10) and increase costs by \$867K due to increased railroad related accidents and \$580K due to increased truck related accidents.

Transportation Importance

- Regionally significant receiving port on the Great Lakes and a harbor of refuge
- Commodities received include limestone, sand, gravel, slag, and salt
- Waterborne transportation facilitated by the harbor supports \$117.2M in business revenue, 539 direct, indirect, and induced jobs, and \$37.6M in labor income to the transportation sector.
- Commodities handled by the harbor support \$1.5B in business revenue, 6,952 direct, indirect, and induced jobs, and \$376.1M in labor income.

Transportation Importance (cont'd)

➤ Home port to S.S. Badger ferry that maintains cross-Lake Michigan service; very important regional ferry service for passenger vehicles and commercial trucks.

➤ The U.S Coast Guard Station Ludington resides within the harbor.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2020, 2021, and 2022
Ludington 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 – Primary Work Package	0	0	0	0	650	0
E&D and Construction – North and South Breakwater Repairs	0	0	850	0	9,500	0
South Revetment Maintenance	100	0	500	0	500	500
Breakwater Maintenance	0	0	0	0	50	0
Beach Nourishment	500	0	500	0	500	500
Real Estate Management	0	0	7	7	7	7
TOTAL	600	0	1,857	7	11,207	1,007

Congressional Interests

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