



## Alpena Harbor, MI

### Harbor Features

- Located at the mouth of Thunder Bay River, which empties into Thunder Bay, Lake Huron
- Authorization: Rivers & Harbors Acts of 19 Sep 1890, 2 Mar 1919, 22 Sep 1922, 30 Aug 1935, 27 Oct 1965
- Deep draft commercial harbor
- Project depths: 25 feet from deep water in Thunder Bay to a point 300 feet lakeward of the Alpena Light, then 24 feet to 700 feet upstream from the light, 23 feet to the Second Avenue Bridge, then 18.5 feet to the upstream limit of the federal project
- 2.3M tons of material shipped and received in 2019
- Ranked 24<sup>th</sup> in tonnage among the Great Lakes harbors in 2019
- Approximately 700 feet of breakwater structures
- Approximately 12,000 feet of maintained channel
- Dredged material is typically placed in upland sites as it is unsuitable for nearshore placement.
- Major stakeholders: U.S. Coast Guard, Decorative Panels International (DPI), Everett Goodrich Trucking, Lafarge, Alpena Oil, and Seaway Marine Transport

### Project Requirements

- Approximately 30,000 cubic yards of material must be dredged on a 5 to 10 year cycle.
- The harbor was last dredged in 2017 with FY16 funds.
- Dredging is not currently required.
- Navigation structures are primarily maintained by the government floating plant.
- Critical breakwater 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. This would increase annual emissions rates by 18.6M lbs. of harmful particulate matter (PM-10) and increase costs by \$4.2M due to increased railroad related accidents and \$2.8M due to increased truck related accidents.
- A loss of 1 to 2 feet of channel depth results in light loading causing increased transportation costs ranging from \$5.6M to \$14.1M annually.

### Transportation Importance

- The harbor is a regionally significant shipping and receiving port on the Great Lakes and critical harbor of refuge.
- Commodities include cement, coal and petroleum products, sand, gravel, salt and limestone.
- The harbor receives large shipments of salt to supply many local municipalities for road deicing.
- U.S. Coast Guard Station Alpena is located in the harbor.

**Transportation Importance (cont'd)**

➤ Waterborne transportation facilitated by the harbor supports \$111.2M in business revenue, 551 direct, indirect, and induced jobs, and \$35.7M in labor income to the transportation sector.

➤ Commodities handled by the harbor support \$1.3B in business revenue, 7,389 direct, indirect, and induced jobs, and \$374.1M in labor income.

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

<b>Work Package</b>	<b>FY20 Requirement</b>	<b>FY20 Appropriation</b>	<b>FY21 Requirement</b>	<b>FY21 Appropriation</b>	<b>FY22 Requirement</b>	<b>FY22 President's Budget</b>
Critical Breakwater Safety Maintenance	0	0	0	0	50	0
Real Estate Management	0	0	5	5	5	5
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>55</b>	<b>5</b>

**Congressional Interests**

- Representative Jack Bergman R-MI-1
- Senator Gary Peters D-MI
- Senator Debbie Stabenow D-MI