



US Army Corps
of Engineers ®



Sturgeon Bay Harbor and Lake Michigan Ship Canal, WI

Harbor Features

- Located on Lake Michigan in the city of Sturgeon Bay, Door County, Wisconsin, approximately 52 miles northeast of Green Bay.
- Authorization: Rivers & Harbors Acts of 3 Mar 1873, 13 Jul 1892, 13 Jun 1902, 30 Aug 1935, 2 Mar 1945
- Deep draft commercial ship canal with 8.5 miles of federal channel
- Authorized project depths of 22 to 23 feet in the entrance channel and canal; 20 feet in turning basin at Sturgeon Bay
- 15,109 linear feet of timber crib structures with concrete caps and wood pile structures with concrete caps and armored with rubble mound breakwaters and revetments
- Dredged sediment is placed within a privately-owned combined disposal facility.
- Major stakeholders include U.S. Coast Guard, Bay Shipbuilding, Palmer Johnson, and charter fishing operations.

Project Requirements

- 80K cubic yards of sediment must be removed on a 5-year cycle.
- The current sediment backlog volume within the federal channel is 347K cubic yards.
- Loss of available depth within the center half-width of the channel ranges from 2 to 4 ft within the harbor and channel near the Green Bay entrance to the Sturgeon Bay Ship Canal and near the Sturgeon Bay docks.
- In 2021, 60K cubic yards of sediment was removed from the channel at State Highway 42 to the entrance of the Sturgeon Bay Ship Canal. The dredged material was placed at the privately-owned Sturgeon Bay disposal site.
- Armor stone replacement and timber crib fill stone replenishment is needed for both the north and south breakwaters.



- The design effort for repairs to the shore-arm pier and north breakwater lighthouse segment is underway in FY22. Construction is planned in FY23.

Consequences of Not Maintaining the Project

- Loss of recreational jobs and charter fishing in the area
- Greater risk of grounding to vessels seeking refuge within the port during hazardous lake or weather conditions
- Commercial vessel light-loading, increasing transportation costs

Transportation Importance

- Regionally significant shipbuilding port on the Great Lakes
- Serves as a harbor of refuge for commercial and recreational vessels
- Serves as winter berthing facility for Great Lakes fleet maintenance
- Sturgeon Bay Harbor is home port of the U.S. Coast Guard Cutter Mobile Bay. The harbor also houses an auxiliary station and a Marine Safety Detachment Unit that is responsible for executing Port Safety and Security, Marine Environmental Protection, and Commercial Vessel Safety missions.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2021, 2022, and 2023
Sturgeon Bay Harbor and Lake Michigan Ship Canal, WI -
Project Requirements and President's Budget (\$1,000)**

Work Package	FY21 Requirement	FY21 Appropriation	FY22 Requirement	FY22 Appropriations	FY23 Requirement	FY23 President's Budget
Maintenance Dredging – Primary Work Package	1,500	1,500	0	0	0	0
Pier Structure Repair	0	0	5,600	0	5,600	5,600
Engineering & Design – Structure Repairs	350	35	595	595	315	0
Real Estate Management	16	16	16	16	16	16
Other Business Lines						
Recreation	173	18	51	18	77	7
TOTAL	2,039	1,569	6,262	629	6,008	5,623

Congressional Interests

- Representative Mike Gallagher R-WI-8
- Senator Ron Johnson R-WI
- Senator Tammy Baldwin D-WI