



US Army Corps
of Engineers ®



Cleveland Harbor, OH

Harbor Features

- Located on Lake Erie in the City of Cleveland, Cuyahoga County, OH
- Authorization: Rivers & Harbor Acts of 1875, 1886, 1888, 1902, 1917, 1935, 1945, 1946, 1958, 1960, 1962; Water Resources Development Acts of 1976 and 1986; Supplemental Appropriations Act of 1985; and the Energy & Water Appropriations Act of 1988
- Deep draft commercial harbor
- Project depths are 29 feet in the entrance channel, 27 and 28 feet in the east and west basin, respectively, 25 feet in the eastern outer harbor, 27 feet in the lower Cuyahoga River and Old River, 23 feet in the remainder of the Cuyahoga River, and 18 feet in the turning basin.
- 9.4M tons of material were shipped and received in 2020.
- Ranked 49th among U.S ports and 4th among Great Lakes harbors in 2020.
- Interconnected with 34 commercial ports: ships to 12 ports, receives from 19 ports, and ships and receives to/from 3 ports
- Over 5.5 miles of breakwater structures
- 5.8 miles of federal channel on the Cuyahoga River and 1 mile of federal channel on the Old River
- Confined disposal facilities (CDFs) are located to the east of the harbor entrance.
- Major stakeholders: Cleveland-Cuyahoga County Port Authority, Burke Lakefront Airport, U.S. Coast Guard, ArcelorMittal Steel, Bituminous Products, Cargill Deicing Technology, Carmeuse Lime & Stone, Cuyahoga Concrete Co., Essroc Cement Corp., Federal Marine Terminals Inc., Fleet Supplies Inc., Lafarge North America, Marathon Petroleum, Mid-Continent Coal & Coke, Ontario Stone Corp., Sand Products, Shelly Company, and St. Mary's Cement.



Project Requirements

- The harbor requires approximately 225,000 cubic yards of dredging every year to maintain the navigation channel. The harbor was last dredged in 2022 Maintenance dredging is scheduled for 2023.
- Repairs to severely deteriorated sections of the west pier are needed to ensure the outer harbor, shoreline, and river channel are adequately protected.
- Incremental repairs to the lakeside of the east breakwater by government floating plant were completed in 2022. Additional repairs are planned for 2023.

Dredged Material Management Plan

- Development of a Dredged Material Management Plan (DMMP) is ongoing and will result in the development of mutually acceptable long-term capacity solutions. The DMMP will address beneficial use of dredged material.
- In FY23, the Project Delivery Team continues to refine current alternatives.

Consequences of Not Maintaining the Project

- Light loading: losses of between 1 and 2 feet of channel depth would result in increased transportation costs of between \$1,511,000 and \$4,965,000 annually.
- If the harbor closed to commercial traffic, commodities would require rail and truck transport. This would increase annual emission rates by over 102,686 tons of harmful particulate matter (PM-10) and increase costs by \$22,987,000 due to increased railroad-related accidents, and \$15,358,000 due to increased trucking-related accidents.

Transportation Importance

- Major receiving and shipping port on the Great Lakes and critical harbor of refuge
- Major commodities shipped or received include iron ore, limestone, cement and concrete, sand and gravel, salt, and iron and steel products.
- Major iron ore trans-shipment facility located at Cleveland's Outer Harbor. This facility provides iron ore to inland steel mills at lower delivery costs when compared to truck or direct rail delivery.
- Waterborne transportation facilitated by the harbor supports \$545.7M in business revenue, 2,391 direct, indirect, and induced jobs, and \$183.8M in labor income to the transportation sector.
- Commodities handled by the harbor support \$15B in business revenue, 79,971 direct, indirect, and induced jobs, and \$4.2B in labor income.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2022, 2023, and 2024
Cleveland Harbor, OH – 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 – Primary Work Package	7,105	7,105	8,523	8,523	8,528	8,528
Channel Training Structural Maintenance - Fleet	1,950	1,250	1,200	1,200	1,900	1,900
Project Condition Surveys	600	600	611	611	637	637
Environmental Compliance Management	10	10	10	10	11	11
Regional Economic Data Collection	250	250	260	260	266	266
Dredge Material Management Plan	525	525	225	225	225	0
Engineering, Design, and Construction West Pier Repair	300	300	7,500	7,500	0	0
Environmental Compliance Management - Five Year External Assessment	0	0	20	20	0	0
Interim Confined Disposal Facility Operations	250	250	250	250	250	250
Real Estate Management	30	30	34	34	34	34
Critical Breakwater Safety Maintenance	0	0	0	0	50	0
Harbor Structure Maintenance Plan	0	0	0	0	125	125
TOTAL	11,020	10,320	18,633	18,633	12,026	11,801

Congressional Interests

- Representative Shontel Brown D-OH-11
- Senator Sherrod Brown D-OH
- Senator J. D. Vance R-OH