



US Army Corps  
of Engineers ®



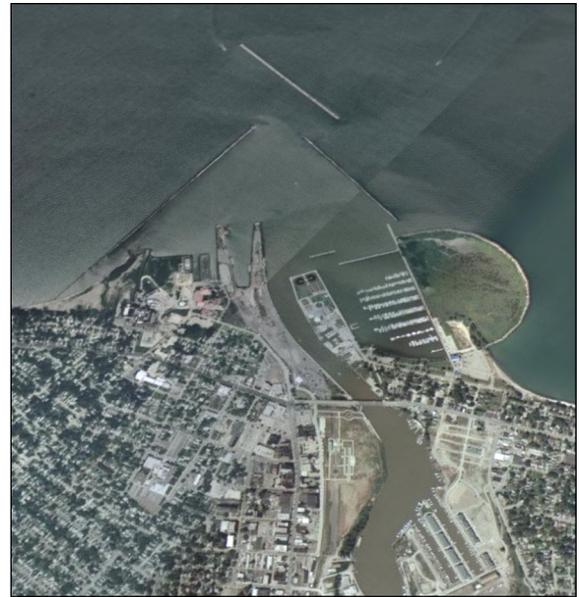
## Lorain Harbor, OH

### Harbor Features

- Located on Lake Erie in the City of Lorain, Lorain County, OH
- Authorization: Rivers & Harbor Acts of 1899, 1907, 1910, 1918, 1930, 1935, 1945, 1960, 1965, and the Water Resources Development Act of 1986
- Deep draft commercial harbor
- Project depths are 29 feet in the entrance channel, 28 feet in the outer harbor, 25 feet in the eastern and western outer harbor areas, 27 feet in the Black River Channel, 17 to 21 feet in the turning basins.
- 716K tons of material shipped and received in 2018
- Ranked 38<sup>th</sup> among Great Lakes harbors in 2018
- Interconnected with 9 commercial ports: ships to 1 port and receives from 8 ports
- Over 2.5 miles of breakwater structures
- 60-acre outer harbor and 2.6 miles of federal channel on the Black River
- A confined disposal facility (CDF) is located at the eastern end of the harbor.
- Major stakeholders: the Lorain Port Authority, private marinas, U.S. Coast Guard, American Metal Chemical Corp., Jonick Dock & Terminal, Republic Steel, IGR Henderson, and Terminal Ready Mix Inc.

### Project Requirements

- The harbor requires dredging of approximately 75,000 cubic yards of material every year to maintain the navigation channel: 150,000 cubic yards from the lower reach and 50,000 from the upper reach. The harbor was last dredged in 2019 when 475,000 cubic yards of material were removed.



- Deteriorated sections of the west breakwater require repair.
- A section of steel sheet pile along the outer breakwater unexpectedly failed in July 2015 and resulted in a loss of fill material and inadequate support for the concrete cap. Emergency repairs were completed in 2015 and 2016, and additional repairs were completed in 2018 and 2019.

### Consequences of Not Maintaining the Project

- Light loading: loss of between 2 and 3 feet of channel depth will result in increased transportation costs of between \$685,000 and \$1,203,000 annually.
- Closing the harbor to commercial traffic will require commodities to be transported by rail and truck. This may increase annual emission rates by over 6,983 tons of harmful particulate matter (PM-10) and increase costs by an estimated \$1,302,000 due to increased railroad-related accidents and an estimated \$2,104,000 due to increased trucking-related accidents.

**Transportation Importance**

- Major receiving and shipping port on the Great Lakes and a critical harbor of refuge
- Major commodities shipped or received include limestone, coal, petroleum coke, sand, and slag.
- Waterborne transportation facilitated by the harbor supports \$23.6M in business revenue, 98 direct, indirect, and induced jobs, and \$6.6M in labor income to the transportation sector.
- Commodities handled by the harbor support \$463.8M in business revenue, 2,556 direct, indirect, and induced jobs, and \$131.6M in labor income.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2019, 2020, and 2021  
Lorain Harbor, OH — Project Requirements and President’s Budget (\$1,000)**

<b>Work Package</b>	<b>FY19 Requirement</b>	<b>FY19 Appropriation</b>	<b>FY20 Requirement</b>	<b>FY20 Appropriation</b>	<b>FY21 Requirement</b>	<b>FY21 President’s Budget</b>
Maintenance Dredging – Primary Work Package	0	0	0	0	1,939	0
Sediment Sampling & Analysis	0	0	90	90	0	0
Outer Breakwater Repair	2,929	2,929	0	0	10,000	0
Engineering & Design, West Breakwater Extension Shorearm	250	0	0	0	0	0
Confined Disposal Facility Five Year External Assessment	5	5	0	0	0	0
Dredged Material Management Plan	0	0	150	150	0	0
Real Estate Management	0	0	0	0	8	8
Engineering & Design, West Breakwater	0	0	0	0	250	0
<b>TOTAL</b>	<b>3,184</b>	<b>2,934</b>	<b>240</b>	<b>240</b>	<b>12,197</b>	<b>8</b>

**Congressional Interests**

- Representative Marcy Kaptur D-OH-9
- Senator Sherrod Brown D-OH
- Senator Rob Portman R-OH