



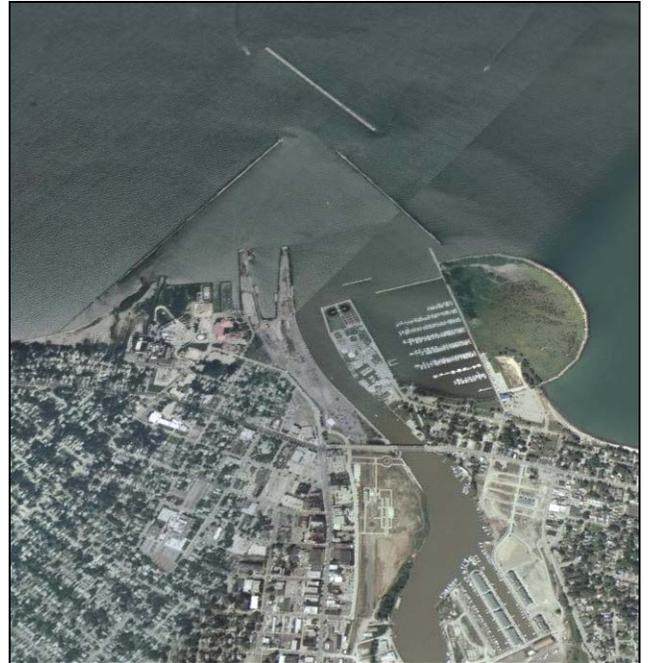
## Lorain Harbor, OH

### Harbor Features

- Located on Lake Erie in the city of Lorain, Lorain County, Ohio
- Authorization: River & Harbor Acts of 1899, 1907, 1910, 1917, 1930, 1935, 1945, 1960, 1965 and the Water Resources Development Act of 1986
- Deep draft commercial harbor
- Authorized depths are 16-29 feet in the outer harbor and 17-27 feet in the river
- Five year average (2008-2012) tonnage of 988k tons of material shipped and received
- Ranked 25<sup>th</sup> among the Great Lakes Harbors based on five year average (2008-2012) tonnage
- Interconnected with 11 commercial ports: ships to 1 port, and receives from 10 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 include the Lorain Port Authority, private marinas, U.S. Coast Guard, American Metal Chemical Corp., National Gypsum Co., Jonick Dock & Terminal, Lorain Tubular Co., and Terminal Ready Mix, Inc

### Project Requirements

- Approximately 200,000 cubic yards (CY) of material must be dredged every 3 years; 150,000 CY from the lower reach and 50,000 from the upper reach. The harbor was last dredged in 2014 when approximately 165,000 CY of material was removed.
- Material from the upper reaches of the Black River Federal navigation channel requires placement in a CDF; this area is typically dredged once every 3 years



- Due to lack of commercial activity and limited CDF capacity, the upper reaches of the Black River Federal navigation channel will not be regularly maintained until a need exists
- Deteriorated sections of the East and West Breakwater are in need of repair.
- Sandy supplemental funded repairs to storm damaged sections of the East Arrowhead Breakwater are scheduled to be completed in 2014-15

### Consequences of Not Maintaining the Project

- Reduction of bulk commodities that pass through the harbor and generate \$84M annually in direct revenue while supporting 1,794 direct, indirect, and induced jobs that produce over \$117M per year in personal income

### **Consequences of Not Maintaining the Project**

➤ If the harbor was closed to commercial traffic, commodities would have to be transported by rail and truck. This would increase annual emission rates by over 23,827 tons of harmful particulate matter (PM-10) and increase costs by \$22,000 due to increased railroad related accidents, and \$1,986,000 due to increased trucking related accidents

➤ Light loading; loss of between 2 and 3 feet of channel depth results in increased transportation costs of between \$139,000 and \$292,000 annually

### **Transportation Importance**

➤ Major receiving and shipping port on the Great Lakes; and a Critical Harbor of Refuge  
➤ Commodities shipped or received include aggregates, limestone, chemicals, ores and minerals

### **U.S. Army Corps of Engineers Fiscal Year (FY) 2014, 2015 and 2016 Lorain Harbor, Ohio - Project Requirements and President's Budget (\$1,000)**

<b>Work Package</b>	<b>FY14 Requirement</b>	<b>FY14 Appropriation</b>	<b>FY15 Requirement</b>	<b>FY15 Appropriation</b>	<b>FY16 Requirement</b>	<b>FY16 President's Budget</b>
Maintenance Dredging – Primary	1,350	1,337			1,450	
E&D, E. Arrowhead Breakwater Repair (2,000 LF)	300					
Structure Repair – Breakwaters Floating Plant (F/P)					600	
Sandy Supplemental West Breakwater Repair			9,276*	9,276*		
<b>TOTALS</b>	<b>1,650</b>	<b>1,337</b>	<b>9,276</b>	<b>9,276</b>	<b>2,050</b>	<b>0</b>

\*Funds allocated through Public Law 113-2 Disaster Relief Appropriations Act, 2013

### **Congressional Interests**

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