

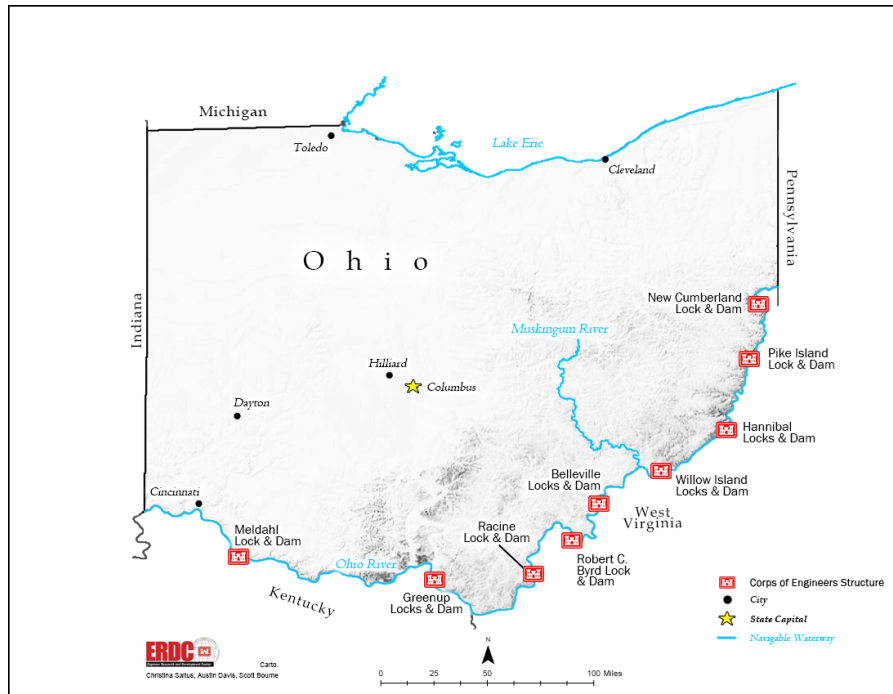


US Army Corps
of Engineers

Ohio

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

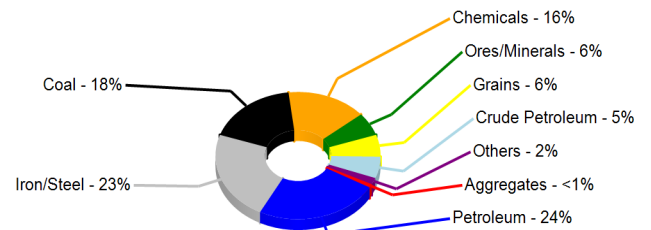


2016 State Quick Facts (Tons in Millions)

Tons Shipped -	20.4
Tons Received -	52.0
Tons Shipped Within State -	7.3
Total Commerical Docks -	159
Total Value (billions)-	\$11.50
Total Domestic Tons -	69.0
Total Import Tons -	3.9
Total Export Tons -	6.9
Total Tons -	79.7

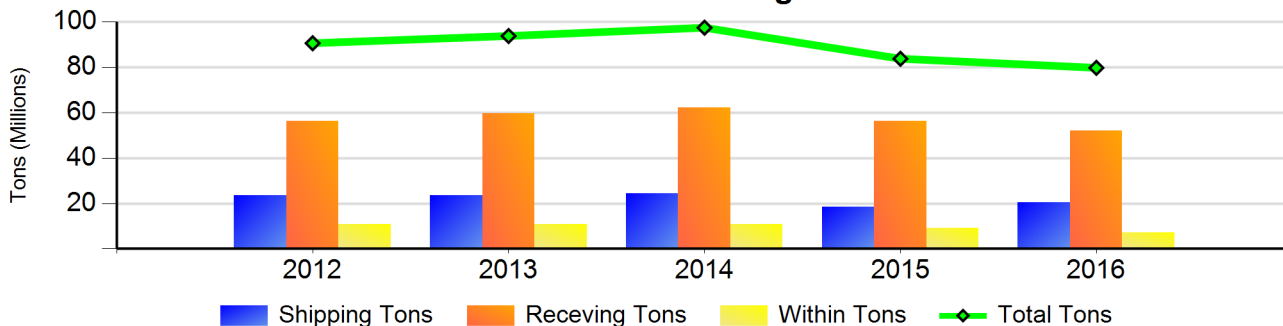
Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2016 price level (Commodity dollar values are not calculated for foreign movements)

2016 All Traffic Commodity Value Distribution



Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2016 price level. (Commodity dollar values are not calculated for foreign movements), Remaining 0% unable to release due to insufficient operators

State Five Year Tonnage Trend



Source: USACE Waterborne Commerce Statistics

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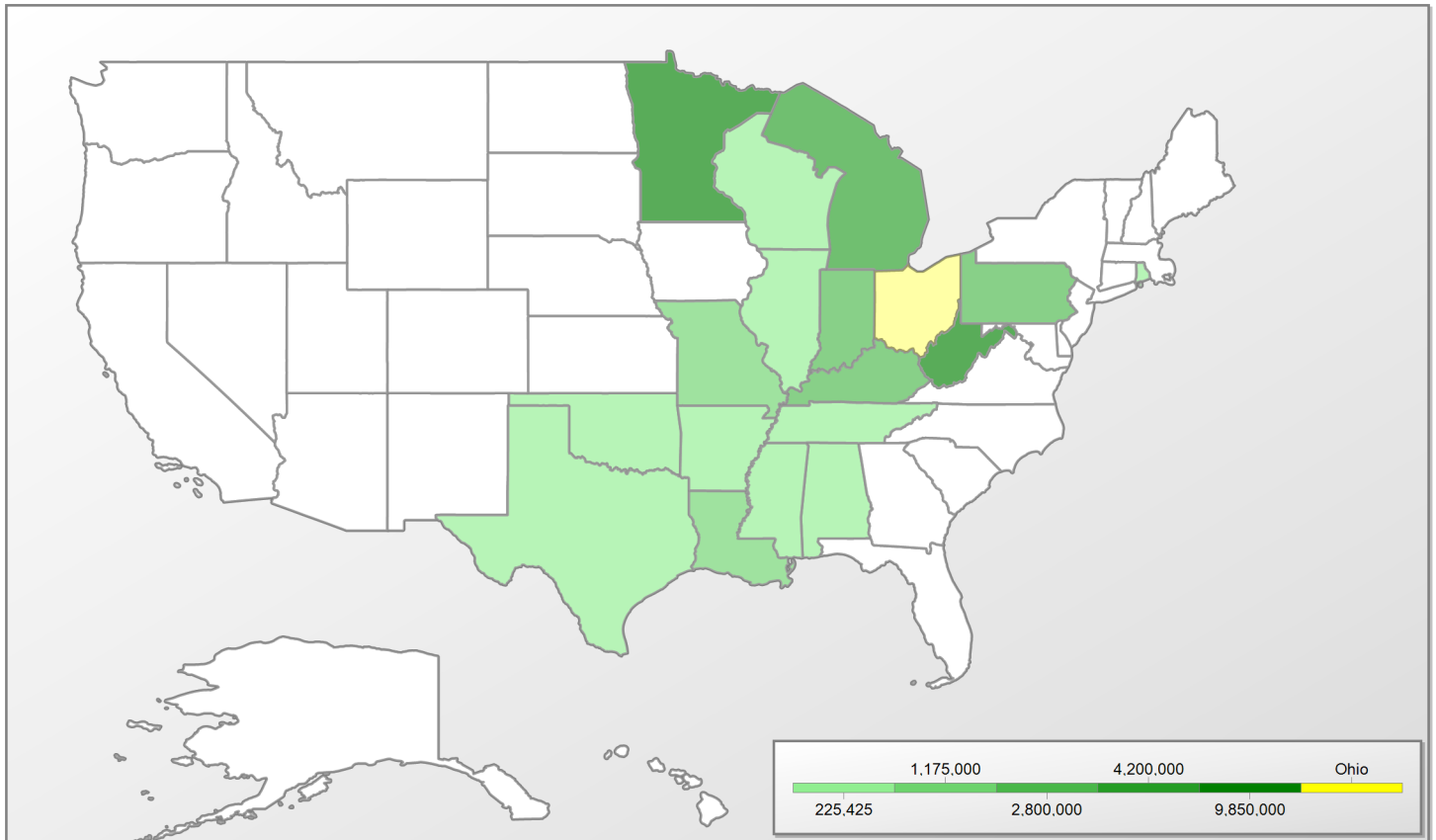
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Ohio - Continued

2016 States Sending Commodities to Ohio



Source: USACE Waterborne Commerce Statistics

State Sending Tons	Total Tonnage Sent to Ohio	Top Commodity - % of Total Sent to Ohio	State Sending Tons	Total Tonnage Sent to Ohio	Top Commodity - % of Total Sent to Ohio
West Virginia	15,318,769	Coal-93%	Mississippi	8400	**
Michigan	7,831,764	Iron/Steel-49%	Tennessee	7407	**
Kentucky	6,436,164	Coal-56%	Rhode Island	852	**
Minnesota	5,685,861	Iron/Steel-100%			
Louisiana	3,974,602	Chemicals-42%			
Pennsylvania	3,677,969	Coal-89%			
Indiana	3,376,241	**			
Canada	3,283,157	**			
Missouri	820,569	Aggregates-72%			
Foreign	573,099	Iron/Steel-38%			
Illinois	342,285	Others-54%			
Wisconsin	326,977	**			
Texas	241,678	Chemicals-43%			
Oklahoma	78,600	**			
Arkansas	31,805	**			
Alabama	21,922	**			

**Unknown and Not Elsewhere Classified Products

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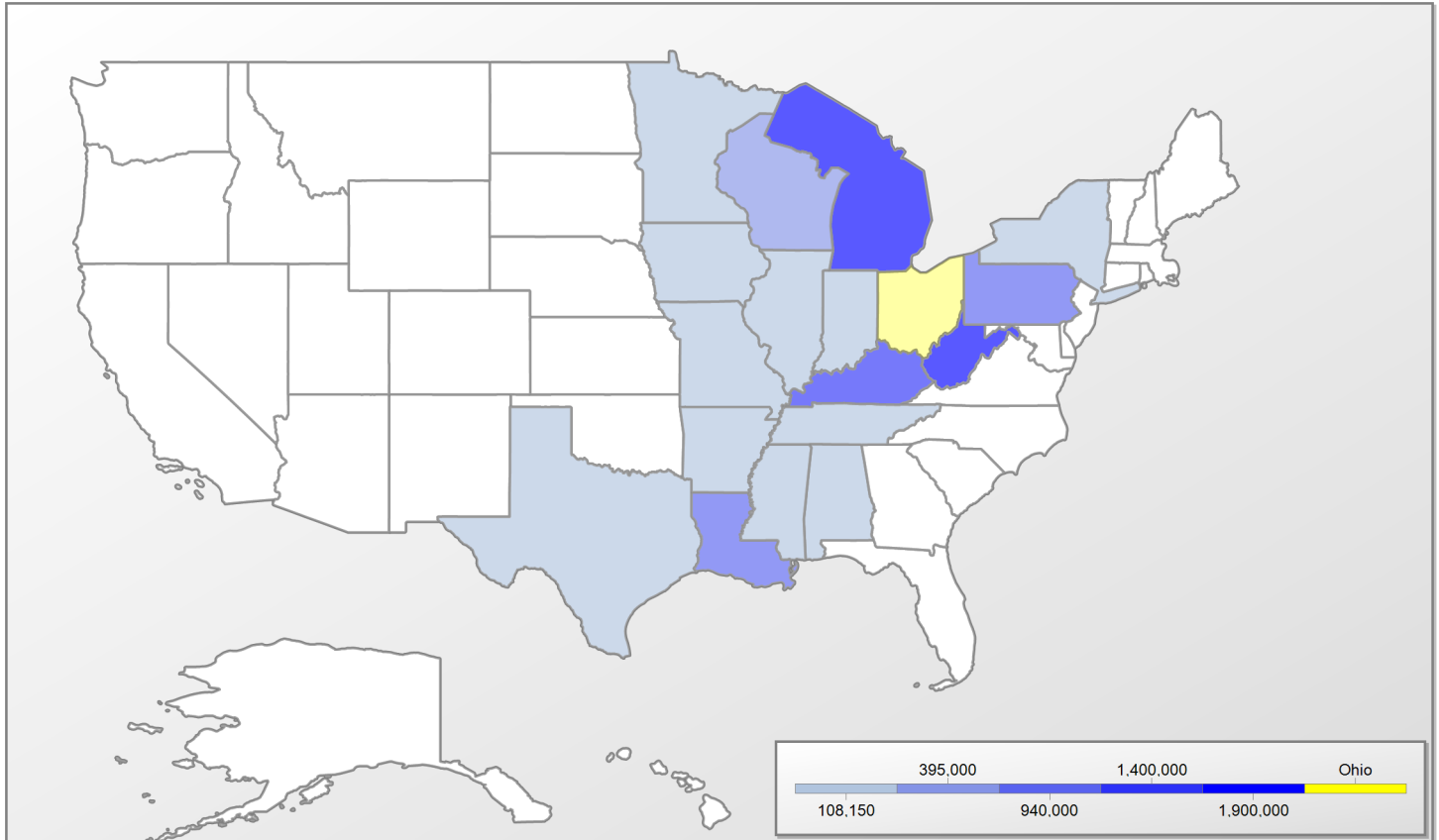
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Ohio - Continued

2016 States Receiving Commodities From Ohio



Source: USACE Waterborne Commerce Statistics

State Receiving Tons	Total Tonnage Recieved from Ohio	Top Commodity - % of Total Recieved from Ohio	State Receiving Tons	Total Tonnage Recieved from Ohio	Top Commodity - % of Total Recieved from Ohio
Canada	5,977,693	**	Tennessee	20,349	**
West Virginia	3,183,832	Coal-72%	Mississippi	17,350	**
Kentucky	2,819,911	**	Iowa	12,754	**
Michigan	2,700,015	Coal-62%			
Louisiana	1,709,261	Grains-76%			
Pennsylvania	1,609,738	Aggregates-58%			
Foreign	887,271	Grains-49%			
Wisconsin	476,983	Coal-48%			
Indiana	410,834	Coal-51%			
Illinois	185,669	**			
Missouri	151,584	**			
Minnesota	97,091	**			
Texas	95,425	Petroleum-43%			
Alabama	34,864	**			
Arkansas	24,898	**			
New York	23,667	**			

**Unknown and Not Elsewhere Classified Products

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Ohio - Continued

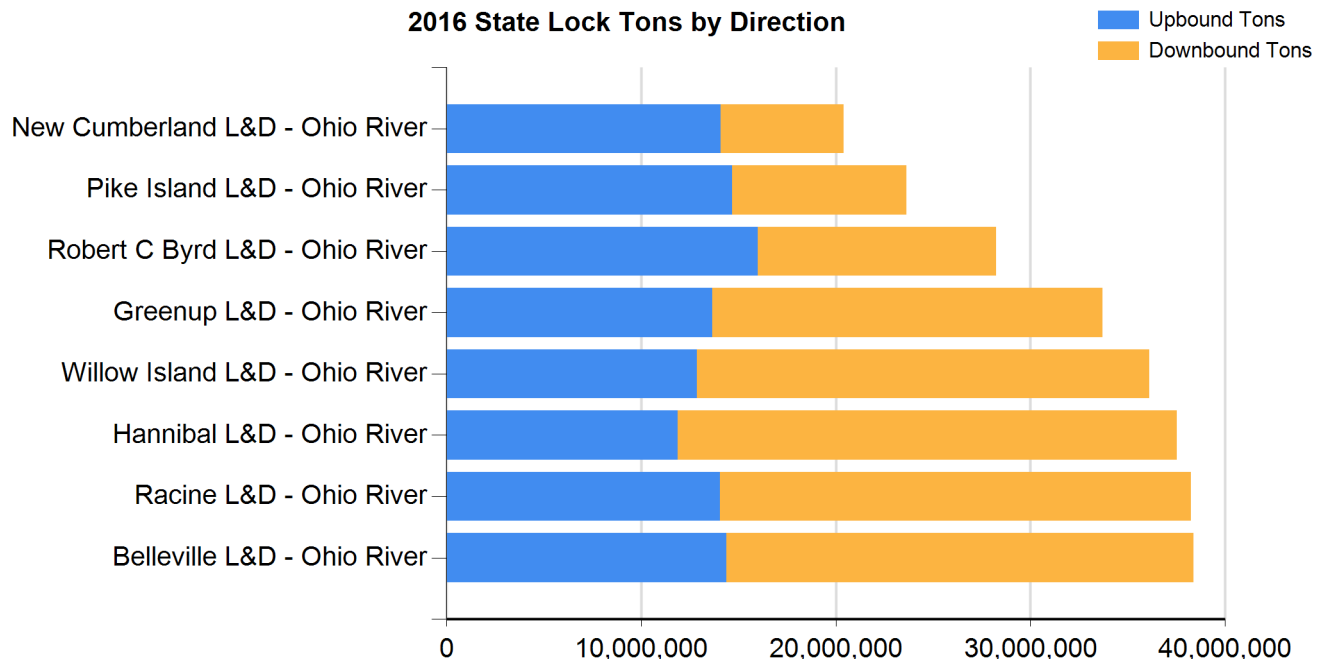
Five Year Trend of Tonnage Shipped or Received in Ohio

Commodity Group	Avg Tonnage (Millions)	% of Total Tons (All Years)	Five Year Commodity Trend (Millions of Tons)				
Aggregates	14,700,796	17%	14.92	16.04	14.57	14.62	13.34
			2012	2013	2014	2015	2016
Chemicals	2,576,811	3%	2.98	2.68	2.64	2.35	2.23
			2012	2013	2014	2015	2016
Coal	42,454,417	48%	45.01	46.64	48.43	37.15	35.04
			2012	2013	2014	2015	2016
Crude Petroleum	356,863	<1%	** -2012	** -2013	** -2014	0.62	0.98
			2012	2013	2014	2015	2016
Grains	2,677,448	3%	2.24	2.06	3.12	2.77	3.19
			2012	2013	2014	2015	2016
Iron/Steel	17,283,642	19%	17.54	17.88	18.70	16.28	16.02
			2012	2013	2014	2015	2016
Ores/Minerals	3,250,264	4%	2.70	2.90	3.73	4.10	2.82
			2012	2013	2014	2015	2016
Others	2,931,331	3%	3.04	2.84	2.98	2.83	2.97
			2012	2013	2014	2015	2016
Petroleum	2,807,940	3%	2.11	2.68	3.09	3.02	3.15
			2012	2013	2014	2015	2016

Source: USACE Waterborne Commerce Statistics

** - Year = Insufficient Operators to Release Tonnage

2016 State Lock Tons by Direction



Source: USACE Waterborne Commerce Statistics

** - Insufficient operators to release directional tonnage

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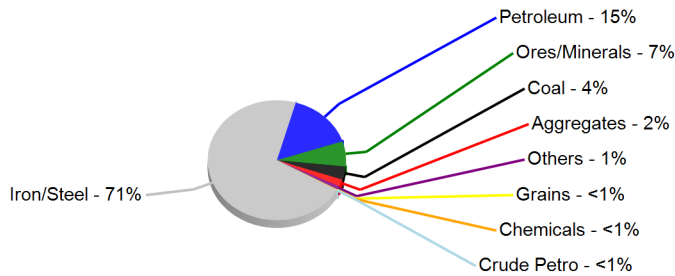
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Ohio - Continued

2016 Great Lakes Traffic Commodity Value Distribution

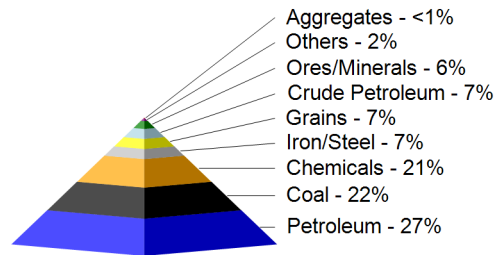
Total Value: \$2.77 (Billion)



Remaining <1% unable to release due to insufficient operators

2016 River Traffic Commodity Value Distribution

Total Value: \$8.73 (Billion)



Remaining <1% unable to release due to insufficient operators

Ohio 2016 Top 5 Waterways (Tons in thousands; values in Millions of dollars)

Waterway Name	State Rank	Tons	Value
Ohio River	1	45,439.8	\$8,730.7
Lake Erie, Including Upper Niagara River	2	34,303.4	\$2,765.6

Commodity Values not calculated for foreign/coastal movements.

Source: USACE Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2016 price level

** Insufficient operators to release tonnage

Ohio 2016 Top 3 Ports (Tons in thousands)

Port Name	U.S. Rank	Type	Total Port Tons	Port Tons Within State
Cincinnati-Northern KY, Ports of	1	River	43,050.4	20,271.0
Huntington - Tristate	2	River	37,401.8	10,355.9
Pittsburgh, PA	4	River	22,467.5	318.8

Source: USACE Waterborne Commerce Statistics

** Insufficient operators to release tonnage

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