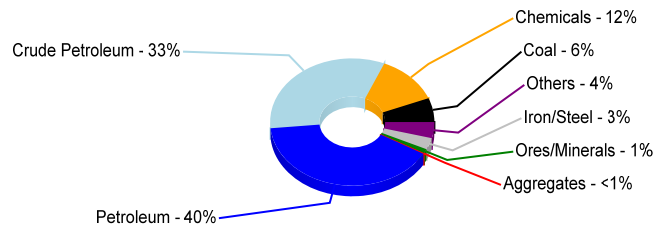


2017 State Quick Facts (Tons in Millions)

Tons Shipped -	15.8
Tons Received -	49.6
Tons Shipped Within State -	7.2
Total Commerical Docks -	122
Total Value (billions)-	\$17.91
Total Domestic Tons -	43.2
Total Import Tons -	25.4
Total Export Tons -	3.9
Total Tons -	72.6

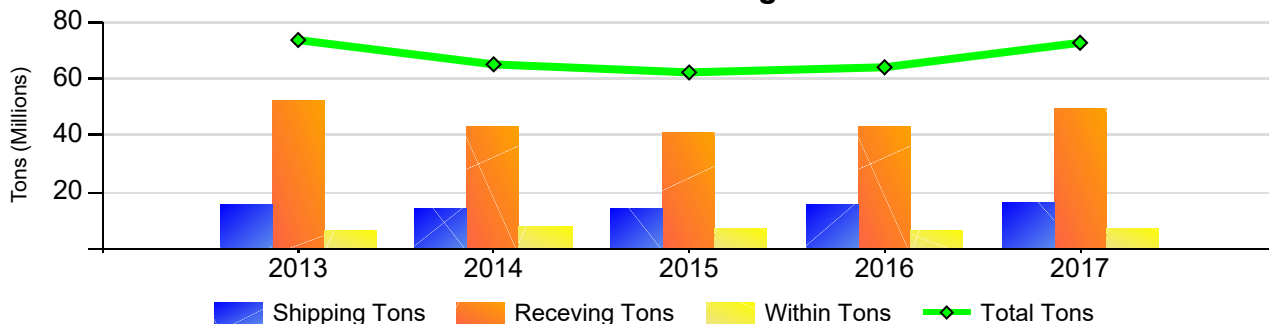
Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2017 price level (Commodity dollar values are not calculated for foreign movements)

2017 All Traffic Commodity Value Distribution



Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2017 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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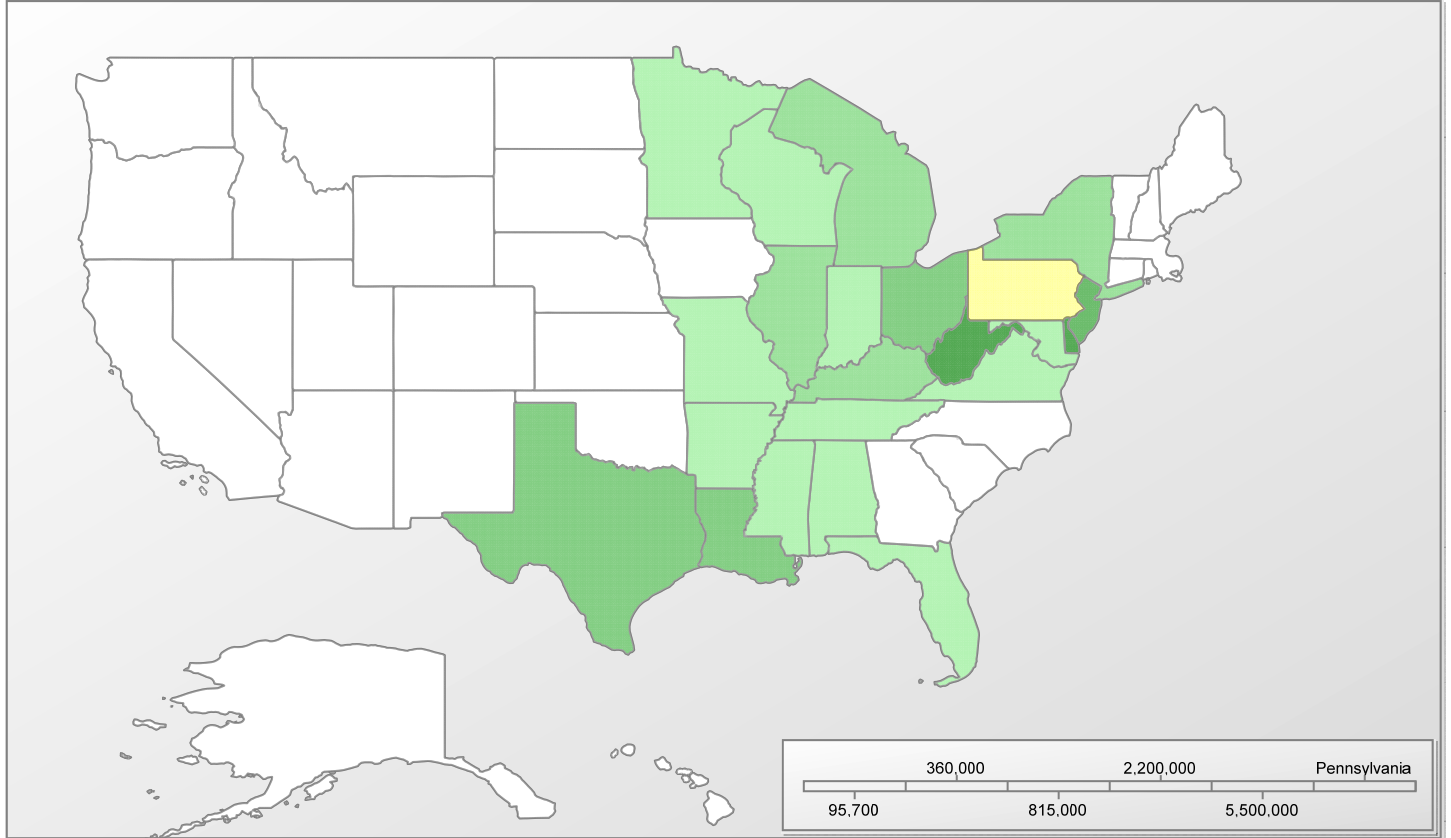
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Pennsylvania - Continued

2017 States Sending Commodities to Pennsylvania



Source: USACE Waterborne Commerce Statistics

State Sending Tons	Total Tonnage Sent to Pennsylvania	Top Commodity - % of Total Sent to Pennsylvania	State Sending Tons	Total Tonnage Sent to Pennsylvania	Top Commodity - % of Total Sent to Pennsylvania
Foreign	23,037,864	Crude Petroleum-58%	Alabama	39293	**
Delaware	7,942,416	**	Mississippi	35918	**
West Virginia	7,395,760	Coal-74%	Indiana	20306	**
Canada	2,360,058	**	Missouri	10422	**
Ohio	1,878,623	Aggregates-49%	American Samoa	5344	**
New Jersey	1,636,550	Petroleum-81%	Tennessee	4039	**
Texas	1,486,505	Crude Petroleum-56%	Minnesota	1500	**
Louisiana	1,455,978	Iron/Steel-39%	Wisconsin	1482	**
Kentucky	934,365	Aggregates-54%	Virgin Islands	126	**
Michigan	325,727	Aggregates-100%			
Illinois	317,250	**			
New York	243,714	Petroleum-82%			
Maryland	185,184	**			
Virginia	158,640	**			
Arkansas	94,238	Iron/Steel-55%			
Florida	40,630	**			

**Unknown and Not Elsewhere Classified Products

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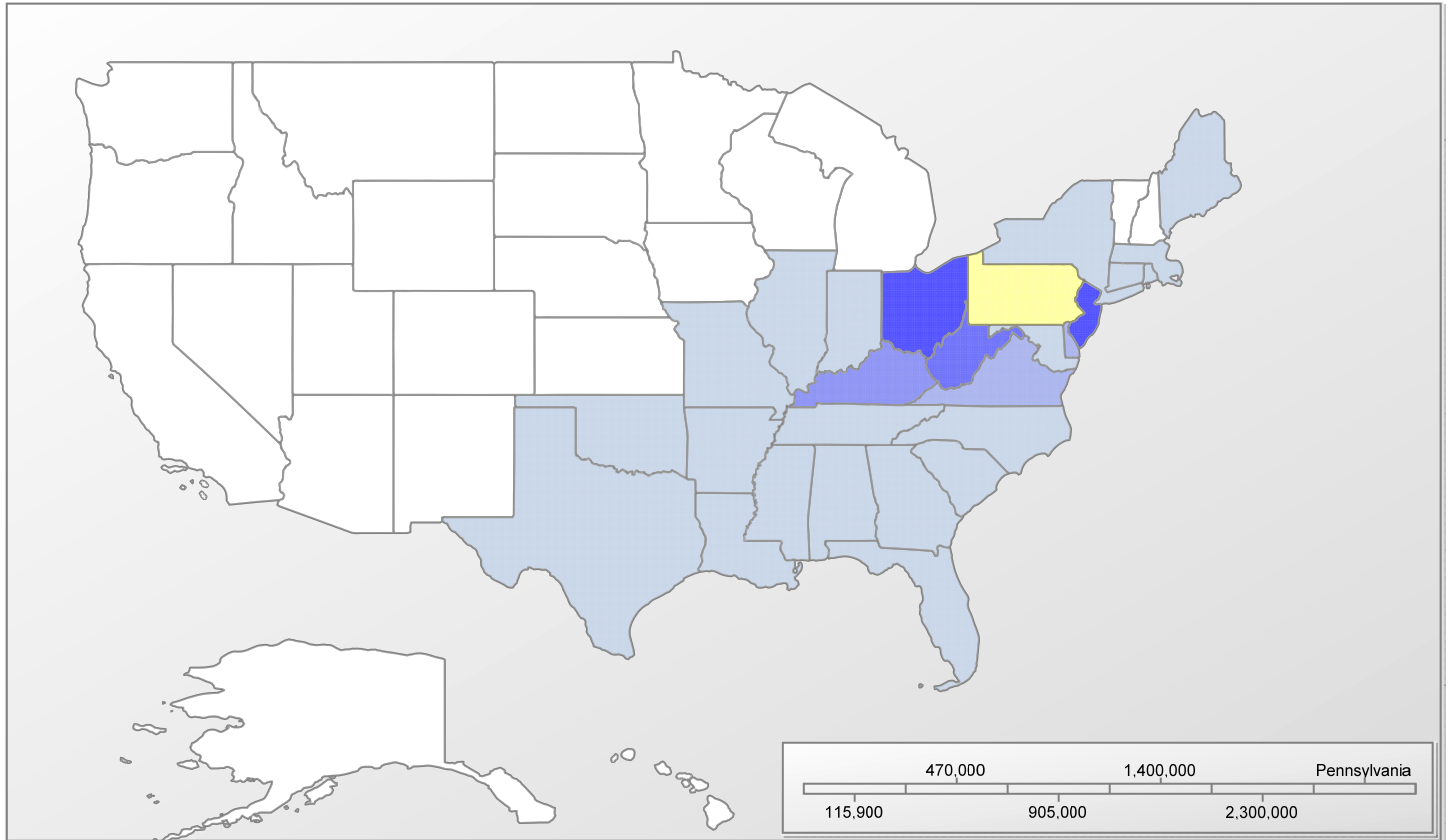
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Pennsylvania - Continued

2017 States Receiving Commodities From Pennsylvania



Source: USACE Waterborne Commerce Statistics

State Receiving Tons	Total Tonnage Recieved from Pennsylvania	Top Commodity - % of Total Recieved from Pennsylvania	State Receiving Tons	Total Tonnage Recieved from Pennsylvania	Top Commodity - % of Total Recieved from Pennsylvania
Foreign	3,905,794	Petroleum-38%	South Carolina	56,309	Petroleum-100%
Ohio	3,299,992	Coal-87%	Georgia	48,752	**
West Virginia	2,401,060	**	Canada	28,745	**
New Jersey	2,164,888	Petroleum-98%	Tennessee	27,533	**
Kentucky	1,193,116	Coal-76%	Alabama	25,770	**
Delaware	674,349	**	Oklahoma	21,506	**
Virginia	431,679	**	Mississippi	18,437	**
Texas	346,850	**	North Carolina	17,529	**
Maryland	327,619	Chemicals-54%	Maine	16,541	**
Massachusetts	199,315	Petroleum-100%	Rhode Island	6,396	**
Illinois	114,169	**	Indiana	4,684	**
Florida	113,270	Petroleum-100%	Missouri	1,820	**
Arkansas	110,647	**			
New York	102,838	Petroleum-100%			
Connecticut	73,477	**			
Louisiana	70,975	**			

**Unknown and Not Elsewhere Classified Products

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Pennsylvania - Continued

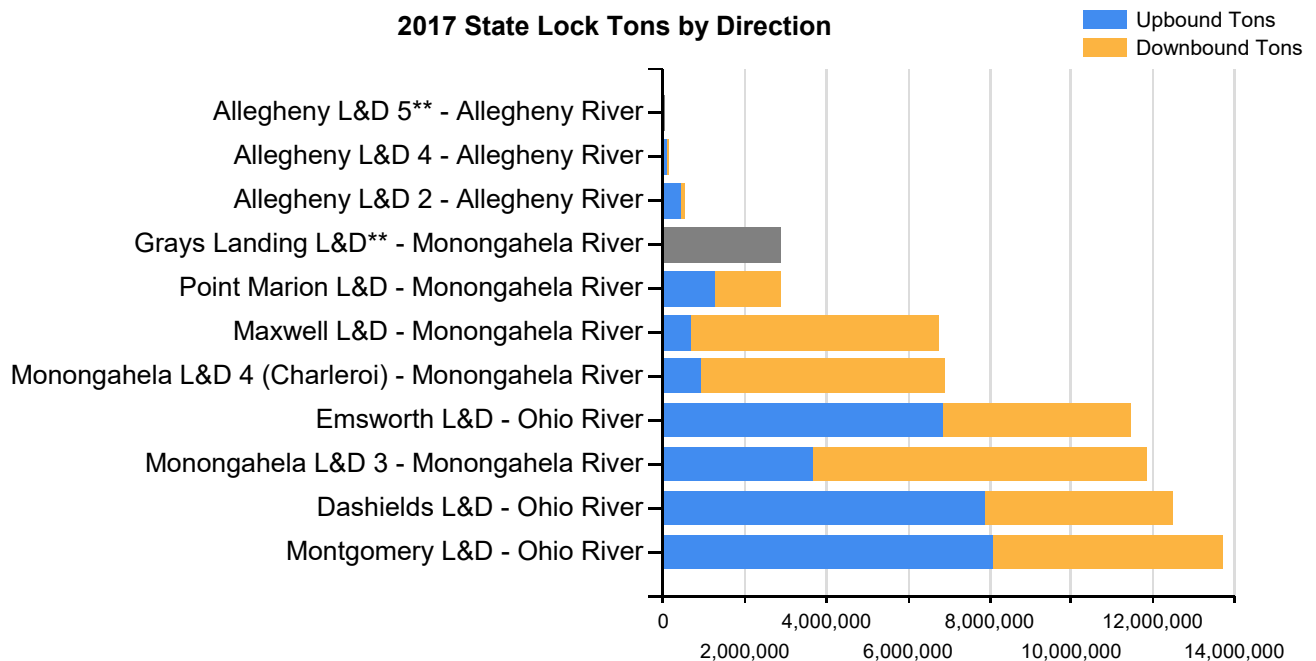
Five Year Trend of Tonnage Shipped or Received in Pennsylvania

Commodity Group	Avg Tonnage (Millions)	% of Total Tons (All Years)	Five Year Commodity Trend (Millions of Tons)				
Aggregates	4,946,073	7%	4.50	5.11	5.37	4.76	5.00
Chemicals	3,686,091	5%	2.95	3.45	3.70	4.02	4.31
Coal	18,950,266	28%	23.91	22.20	17.11	15.12	16.41
Crude Petroleum	19,433,160	29%	23.46	13.41	15.55	20.65	24.09
Grains	84,242	**	**	**	**	**	**
Iron/Steel	3,029,064	4%	3.16	4.33	2.39	2.46	2.81
Ores/Minerals	1,589,417	2%	1.21	1.65	2.77	1.21	1.11
Others	6,740,847	10%	5.99	6.58	6.01	6.54	8.68
Petroleum	8,956,030	13%	8.36	8.15	9.14	9.10	10.04

Source: USACE Waterborne Commerce Statistics

** - Year = Insufficient Operators to Release Tonnage

2017 State Lock Tons by Direction



Source: USACE Waterborne Commerce Statistics

** - Insufficient operators to release directional tonnage

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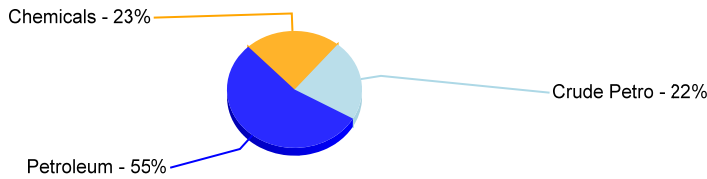
Pennsylvania - Continued

Domestic Commodity Value Distribution Charts by Waterway Type

Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2017 price level (Values Not Calculated for Foreign Movements)

2017 Coastal Traffic Commodity Value Distribution

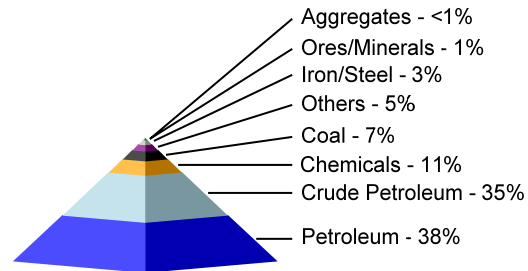
Total Value: \$2.74 (Billion)



Remaining <1% unable to release due to insufficient operators

2017 River Traffic Commodity Value Distribution

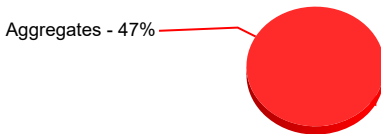
Total Value: \$15.16 (Billion)



Remaining <1% unable to release due to insufficient operators

2017 Great Lakes Traffic Commodity Value Distribution

Total Value: \$0.01 (Billion)



Remaining 53% unable to release due to insufficient operators

Pennsylvania 2017 Top 5 Waterways (Tons in thousands; values in Millions of dollars)

Waterway Name	State Rank	Tons	Value
Delaware River	1	39,112.4	\$8,570.3
Monongahela River, PA and WV	2	14,586.5	\$1,393.5
Ohio River	3	11,683.3	\$2,342.7
Schuylkill River, PA	4	8,318.5	\$6,501.9
Lake Erie, Including Upper Niagara River	5	596.1	\$7.2

Commodity Values not calculated for foreign movements.

Source: USACE Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2017 price level

** Insufficient operators to release tonnage

Pennsylvania 2017 Top 3 Ports (Tons in thousands)

Port Name	U.S. Rank	Type	Total Port Tons	Port Tons Within State
Philadelphia, PA	6	River/Coastal	28,523.7	28,523.7
Pittsburgh, PA	4	River	26,022.5	25,611.9
Marcus Hook, PA	9	River/Coastal	14,132.4	13,491.9

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