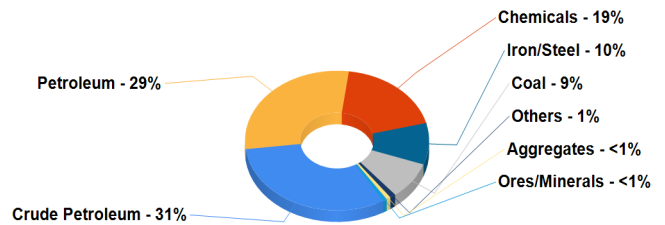


### 2020 State Quick Facts (Tons in Millions)

Tons Shipped -	13.0
Tons Received -	25.3
Tons Shipped Within State -	5.4
Total Commerical Docks -	113
Total Value (billions)-	\$5.17
Total Domestic Tons -	27.6
Total Import Tons -	10.2
Total Export Tons -	5.9
Total Tons -	43.6

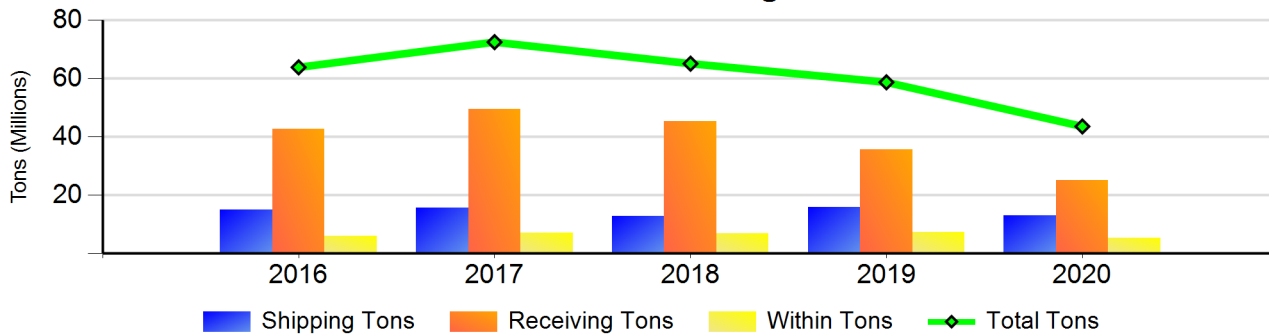
Source: Waterborne Commerce Statistics, Values estimated from 2019 NDSU UGPTI Commodity Valuation Study, values indexed by PPI to 2020 price level. (Commodity dollar values are not calculated for foreign movements)

### 2020 All Traffic Commodity Value Distribution



Source: Waterborne Commerce Statistics, Values estimated from 2019 NDSU UGPTI Commodity Valuation Study, values indexed by PPI to 2020 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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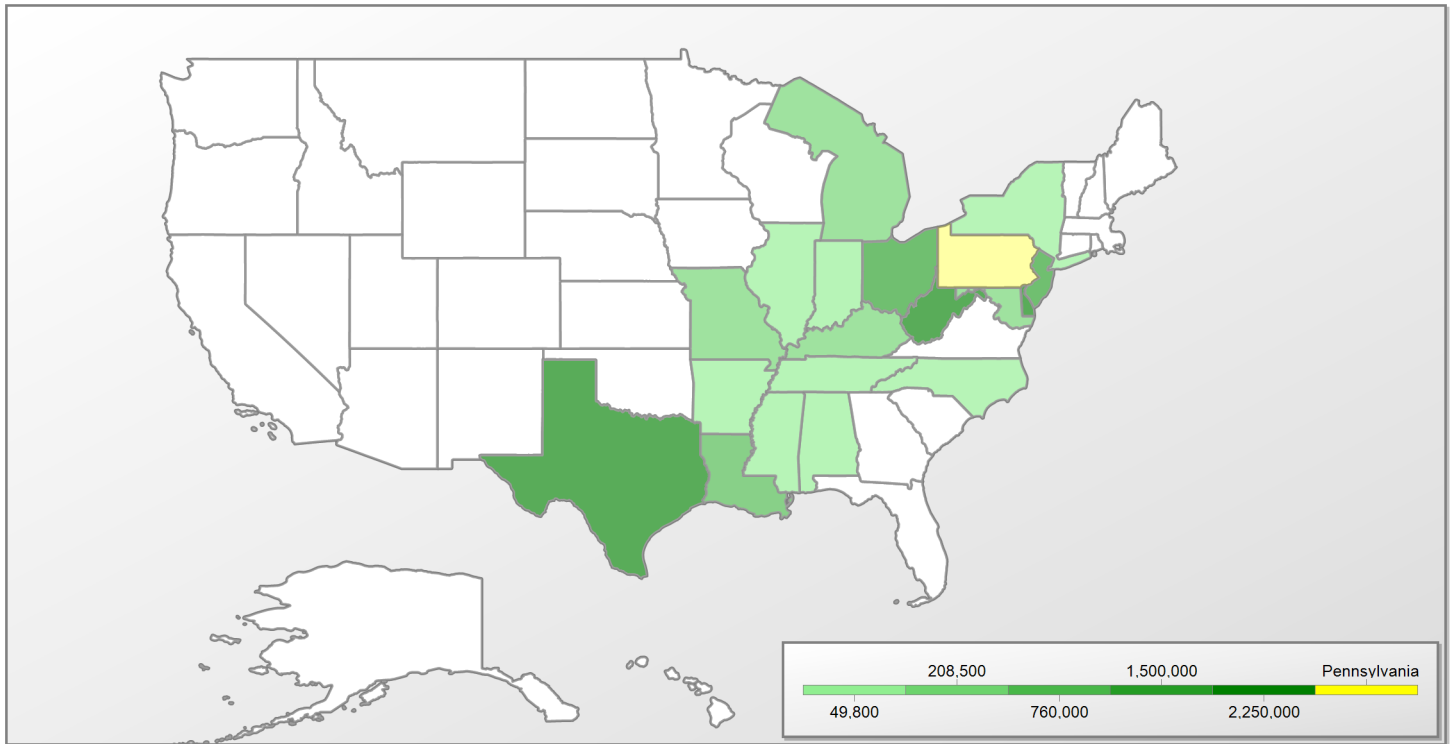
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# Pennsylvania - Continued

2020 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	10,097,992	Others-64%	Illinois	12,496	**
West Virginia	3,999,976	Coal-47%	New York	9,923	**
Texas	3,197,668	Crude Petroleum-83%	Tennessee	2,674	**
Delaware	2,012,702	**	North Carolina	2,600	**
Ohio	1,811,521	Aggregates-72%			
New Jersey	1,700,642	Petroleum-76%			
Louisiana	963,537	Chemicals-38%			
Kentucky	440,119	Aggregates-57%			
Missouri	297,295	Aggregates-95%			
Michigan	228,264	Aggregates-100%			
Maryland	195,211	**			
Canada	115,587	**			
Arkansas	64,251	**			
Indiana	47,331	**			
Mississippi	34,569	**			
Alabama	17,434	Iron/Steel-76%			

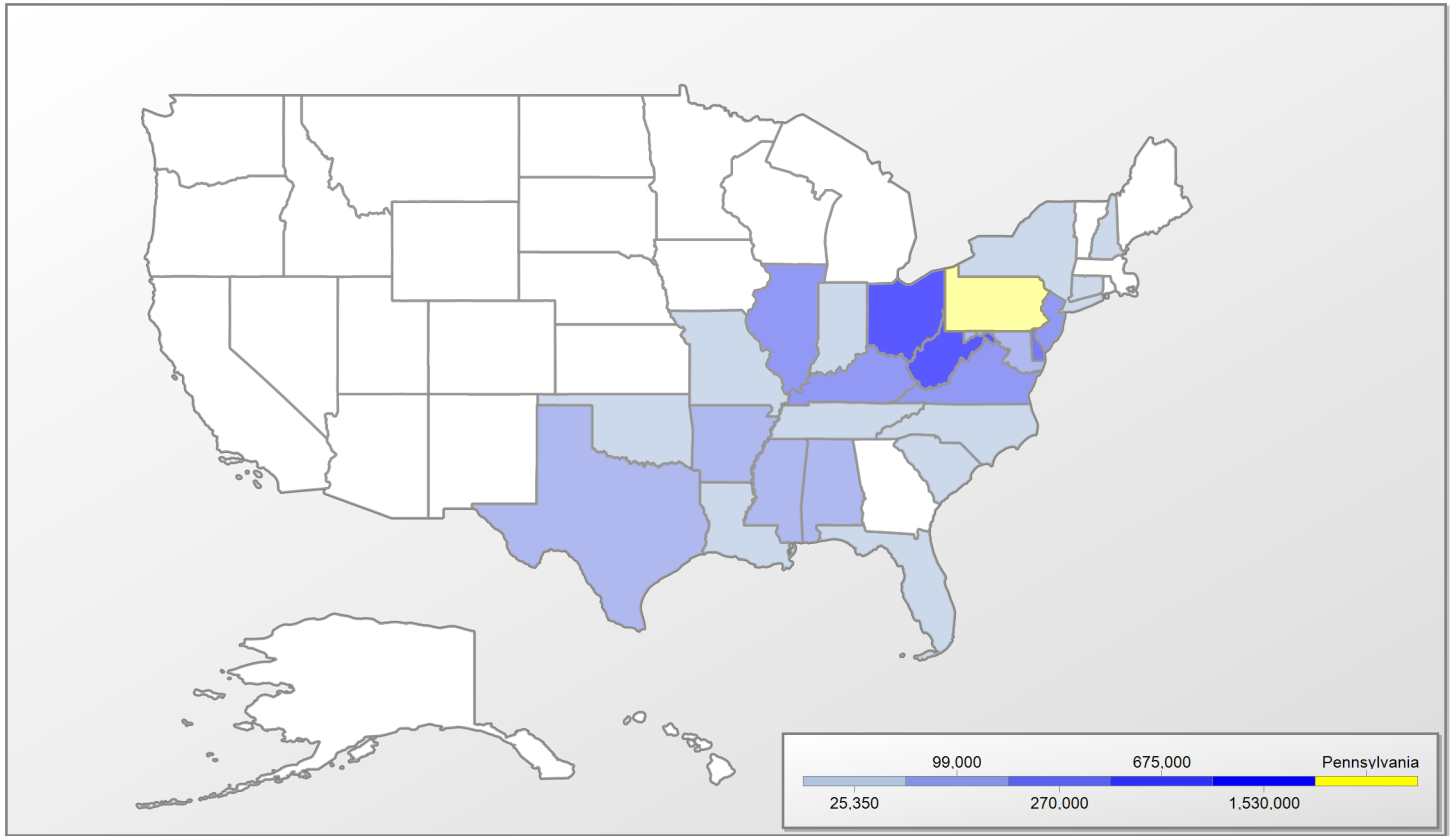
\*\*Unknown and Not Elsewhere Classified Products

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# Pennsylvania - Continued

2020 States Receiving Commodities From Pennsylvania



Source: USACE Waterborne Commerce Statistics

State Receiving Tons	Total Tonnage Received from Pennsylvania	Top Commodity - % of Total Received from Pennsylvania	State Receiving Tons	Total Tonnage Received from Pennsylvania	Top Commodity - % of Total Received from Pennsylvania
Foreign	5,855,443	Petroleum-63%	Florida	24,931	**
West Virginia	2,185,652	Coal-94%	Oklahoma	21,225	**
Ohio	1,650,887	Coal-92%	Indiana	14,611	Coal-89%
Delaware	615,787	**	New York	11,129	Petroleum-100%
Kentucky	609,350	Coal-57%	New Hampshire	5,096	**
Virginia	518,789	**	Connecticut	4,511	**
New Jersey	325,337	Petroleum-85%	Louisiana	3,662	**
Texas	302,474	**	Canada	3,639	**
Illinois	199,821	**	North Carolina	2,705	**
Maryland	148,974	Chemicals-59%			
Arkansas	144,369	Coal-55%			
Alabama	95,185	**			
South Carolina	71,327	**			
Mississippi	70,404	**			
Tennessee	42,837	**			
Missouri	42,736	**			

\*\*Unknown and Not Elsewhere Classified Products

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# Pennsylvania - Continued

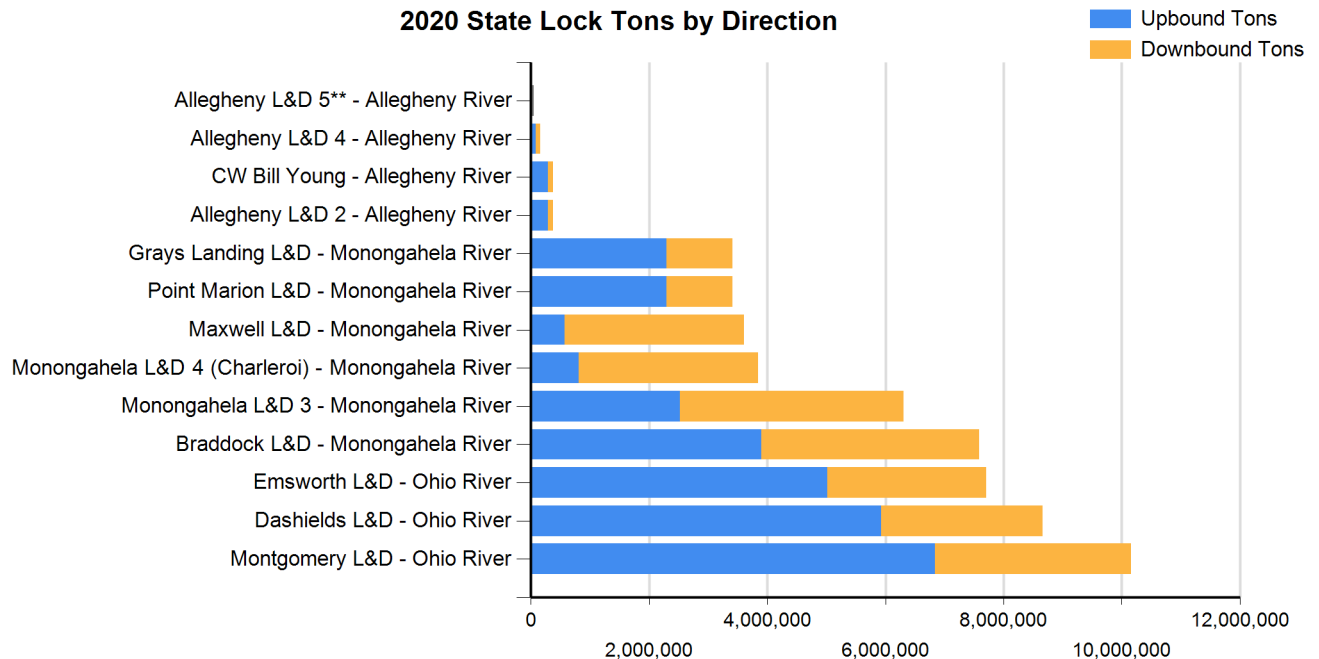
## Five Year Trend of Tonnage Shipped or Received in Pennsylvania

Commodity Group	Avg Tonnage (Millions)	% of Total Tons (All Years)	Five Year Commodity Trend (Millions of Tons)				
Aggregates	4,834,760	8%	4.76 2016	5.00 2017	4.56 2018	5.27 2019	4.58 2020
Chemicals	4,246,647	7%	4.02 2016	4.31 2017	4.11 2018	4.55 2019	4.24 2020
Coal	13,424,630	22%	15.12 2016	16.41 2017	13.01 2018	13.48 2019	9.10 2020
Crude Petroleum	18,282,172	30%	20.65 2016	24.09 2017	23.41 2018	15.22 2019	8.04 2020
Grains	111,887	**	2016	2017	2018	2019	2020
Iron/Steel	2,314,900	4%	2.46 2016	2.81 2017	2.51 2018	2.22 2019	1.57 2020
Ores/Minerals	1,278,636	2%	1.21 2016	1.11 2017	1.60 2018	1.47 2019	1.00 2020
Others	7,664,830	13%	6.54 2016	8.68 2017	7.97 2018	7.63 2019	7.50 2020
Petroleum	8,661,959	14%	9.10 2016	10.04 2017	7.88 2018	8.82 2019	7.47 2020

Source: USACE Waterborne Commerce Statistics

\*\* - Year = Insufficient Operators to Release Tonnage

### 2020 State Lock Tons by Direction



Source: USACE Waterborne Commerce Statistics

\*\* - Insufficient operators to release directional tonnage

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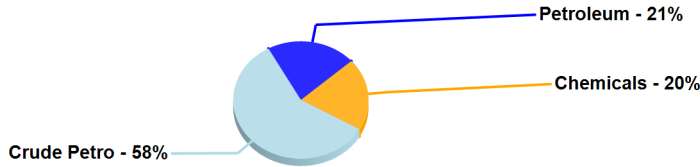
# Pennsylvania - Continued

## Domestic Commodity Value Distribution Charts by Waterway Type

Source: Waterborne Commerce Statistics, Values estimated from 2019 NDSU UGPTI Commodity Valuation Study, values indexed by PPI to 2020 price level (Commodity dollar values are not calculated for foreign movements)

### 2020 Coastal Traffic Commodity Value Distribution

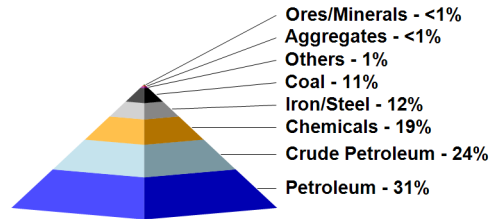
Total Value: \$1.11 (Billion)



Remaining <1% unable to release due to insufficient operators

### 2020 River Traffic Commodity Value Distribution

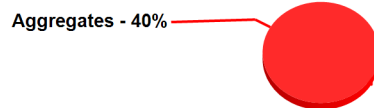
Total Value: \$4.05 (Billion)



Remaining <1% unable to release due to insufficient operators

### 2020 Great Lakes Traffic Commodity Value Distribution

Total Value: \$0.01 (Billion)



Remaining 60% unable to release due to insufficient operators

## Pennsylvania 2020 Top 5 Waterways (Tons in thousands; values in Millions of dollars)

Waterway Name	State Rank	Tons	Value
Delaware River	1	27,355.7	\$3,483.3
Monongahela River, PA and WV	2	10,025.2	\$684.2
Ohio River	3	5,594.5	\$887.3
Schuylkill River, PA	4	631.8	\$258.1
Lake Erie, Including Upper Niagara River	5	614.7	\$10.0

Source: USACE Waterborne Commerce Statistics, Values estimated from 2019 NDSU UGPTI Commodity Valuation Study, values indexed by PPI to 2020 price level (Commodity dollar values are not calculated for foreign movements)

\*\* Insufficient operators to release tonnage

## Pennsylvania 2020 Top 3 Ports (Tons in thousands)

Port Name	U.S. Rank	Type	Total Port Tons	Port Tons Within State
Philadelphia Regional Port, PA	10	River/Coastal	28,517.8	26,942.5
Pittsburgh, PA Port of	5	River	15,536.1	15,536.1
Erie, PA	29	Lake	614.7	614.7

Source: USACE Waterborne Commerce Statistics  
Tonnage represents only shipped or received in the state and port, and not necessarily the total port tonnage.

\*\* Insufficient operators to release tonnage

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