

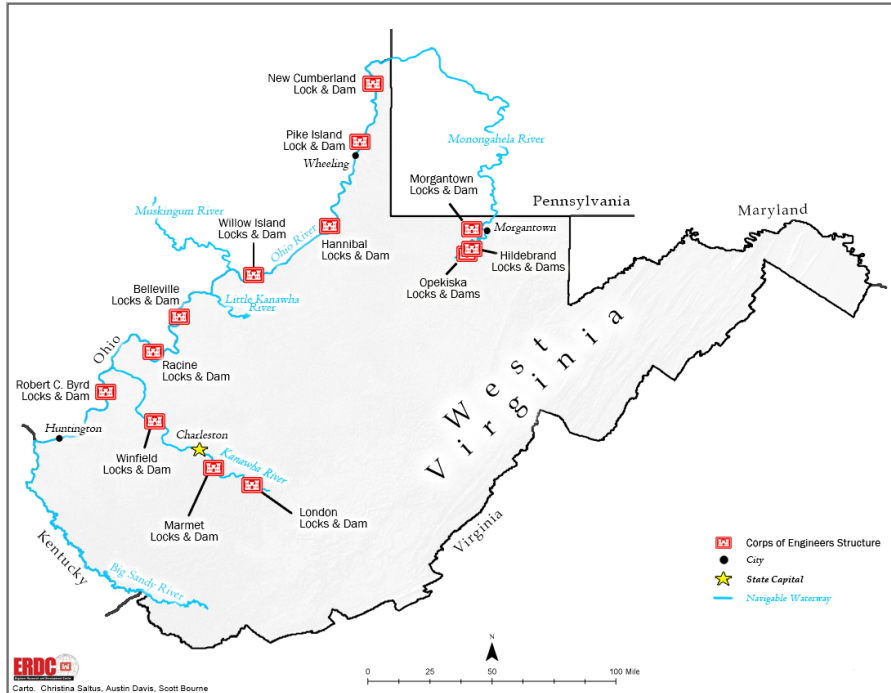


US Army Corps
of Engineers

West Virginia

U.S. ARMY CORPS OF ENGINEERS

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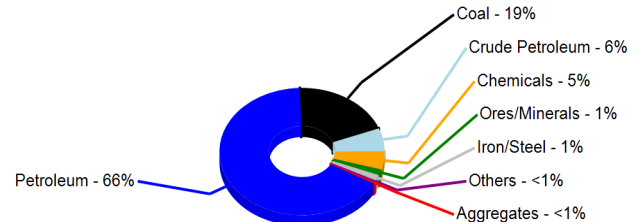


2016 State Quick Facts (Tons in Millions)

Tons Shipped -	31.2
Tons Received -	11.7
Tons Shipped Within State -	12.2
Total Commerical Docks -	122
Total Value (billions)-	\$13.15
Total Domestic Tons -	55.1
Total Import Tons -	0.0
Total Export Tons -	0.0
Total Tons -	55.1

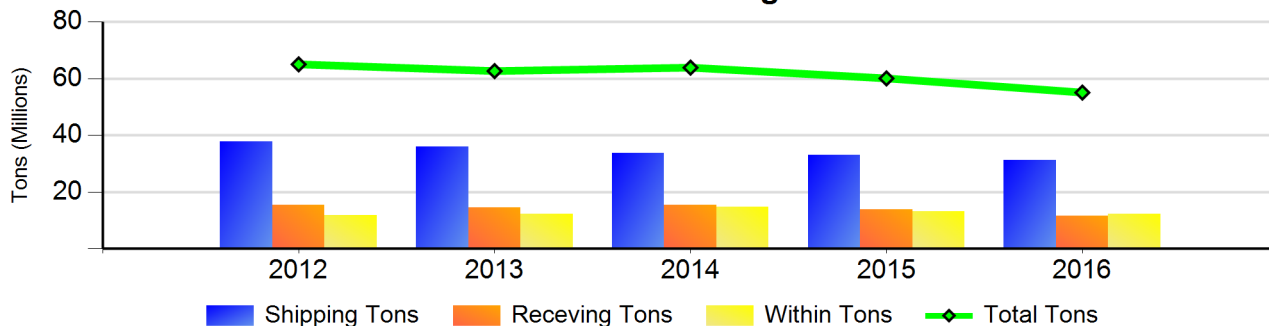
Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2016 price level (Commodity dollar values are not calculated for foreign movements)

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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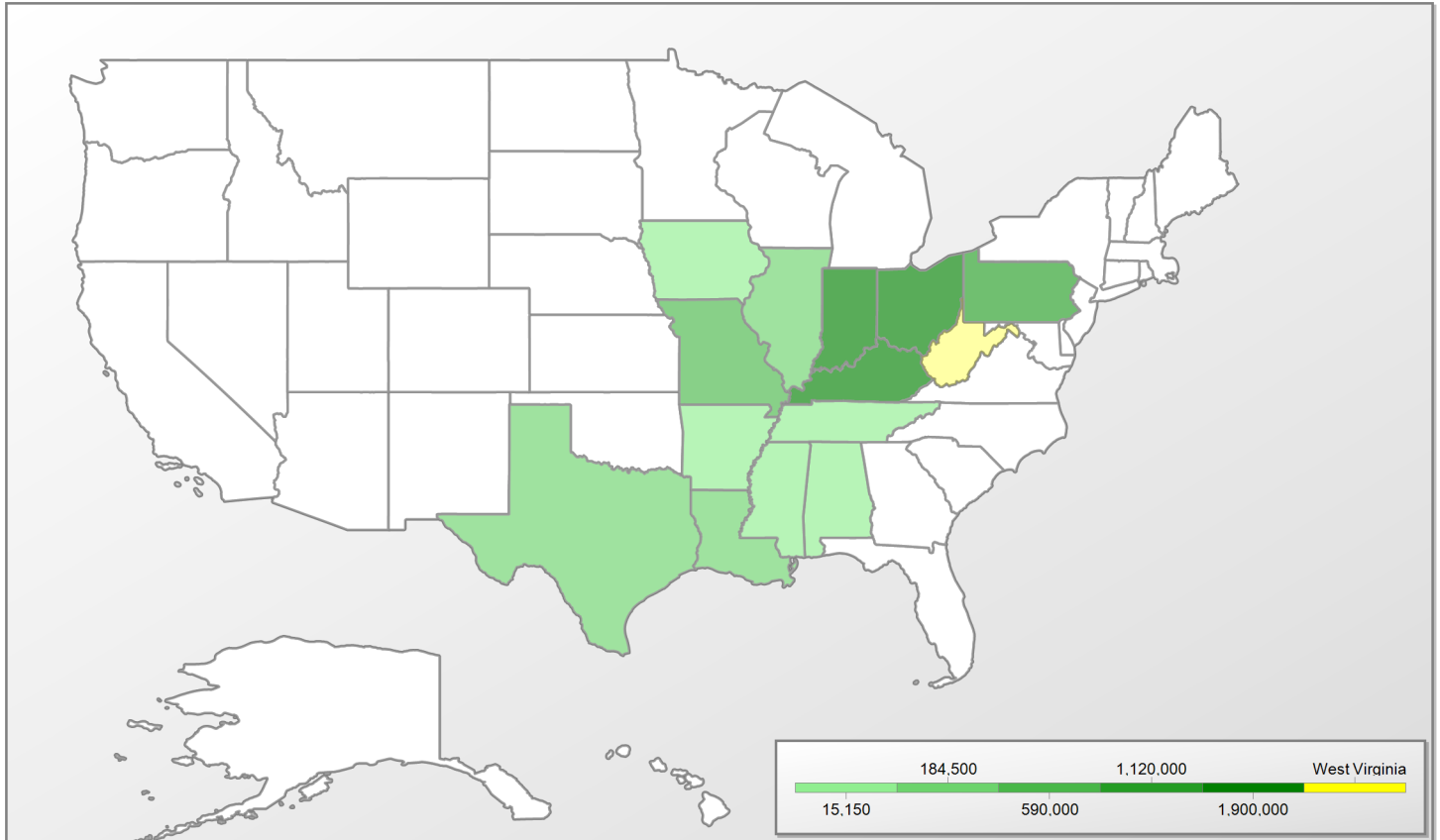
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West Virginia - Continued

2016 States Sending Commodities to West Virginia



Source: USACE Waterborne Commerce Statistics

State Sending Tons	Total Tonnage Sent to West Virginia	Top Commodity - % of Total Sent to West Virginia
Kentucky	3,428,117	Aggregates-69%
Ohio	3,183,832	Coal-72%
Pennsylvania	1,648,896	Coal-81%
Indiana	1,494,101	Aggregates-100%
Louisiana	925,676	Chemicals-35%
Missouri	440,205	**
Texas	396,194	Chemicals-59%
Illinois	81,786	**
Arkansas	20,511	**
Tennessee	15,512	**
Alabama	8,674	**
Iowa	7,672	**
Mississippi	1,385	**

**Unknown and Not Elsewhere Classified Products

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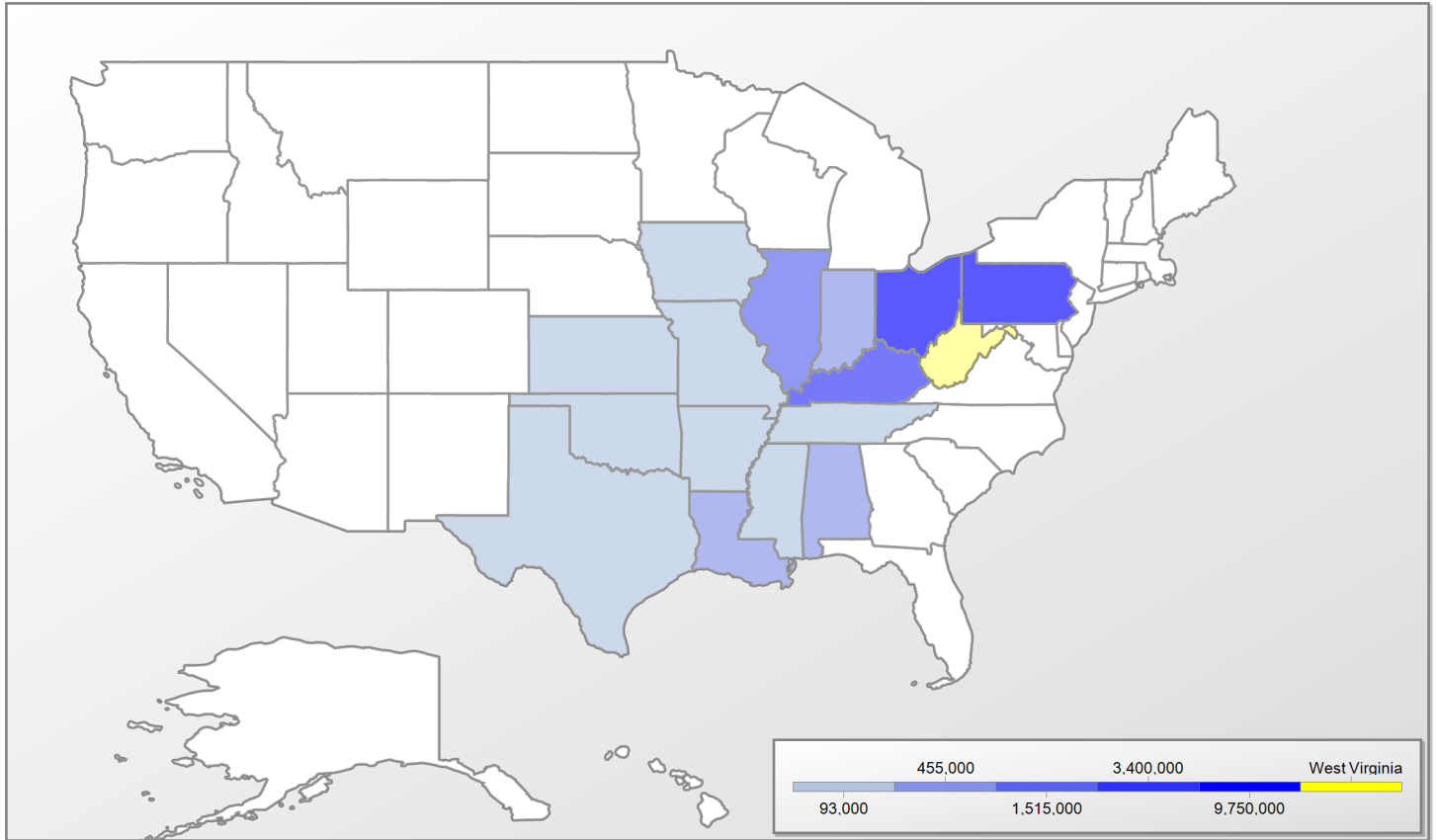
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West Virginia - Continued

2016 States Receiving Commodities From West Virginia



Source: USACE Waterborne Commerce Statistics

State Receiving Tons	Total Tonnage Recieved from West Virginia	Top Commodity - % of Total Recieved from West Virginia
Ohio	15,318,769	Coal-93%
Pennsylvania	7,177,351	Coal-74%
Kentucky	5,634,280	Petroleum-68%
Illinois	866,454	**
Louisiana	853,332	Crude Petroleum-71%
Indiana	721,601	Coal-79%
Alabama	278,949	Coal-94%
Texas	187,697	Petroleum-59%
Tennessee	46,519	Petroleum-55%
Mississippi	42,016	**
Iowa	31,179	**
Arkansas	17,978	**
Oklahoma	16,718	**
Missouri	9,062	**
Kansas	6,088	**

**Unknown and Not Elsewhere Classified Products

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West Virginia - Continued

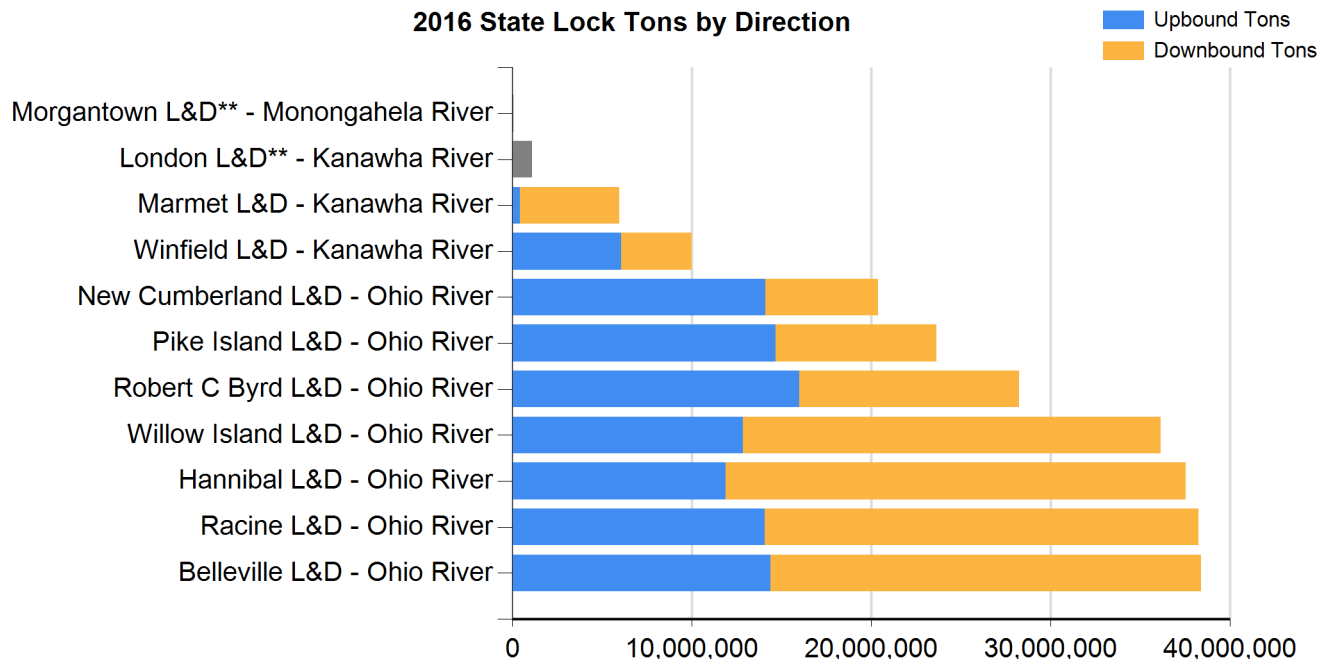
Five Year Trend of Tonnage Shipped or Received in West Virginia

Commodity Group	Avg Tonnage (Millions)	% of Total Tons (All Years)	Five Year Commodity Trend (Millions of Tons)				
Aggregates	6,757,504	11%	7.16	6.27	7.31	6.86	6.19
			2012	2013	2014	2015	2016
Chemicals	845,884	1%	0.97	0.85	0.84	0.83	0.74
			2012	2013	2014	2015	2016
Coal	44,429,699	72%	47.98	46.88	46.60	42.51	38.18
			2012	2013	2014	2015	2016
Crude Petroleum	1,038,406	2%	0.13	0.65	1.44	1.77	1.21
			2012	2013	2014	2015	2016
Grains	1,615	**	**	**	**	**	**
			2012	2013	2014	2015	2016
Iron/Steel	401,005	<1%	0.40	0.42	0.35	0.42	0.42
			2012	2013	2014	2015	2016
Ores/Minerals	347,241	<1%	0.37	0.24	0.31	0.39	0.46
			2012	2013	2014	2015	2016
Others	428,842	<1%	0.47	0.45	0.37	0.38	0.46
			2012	2013	2014	2015	2016
Petroleum	7,082,508	12%	7.54	6.91	6.64	6.90	7.42
			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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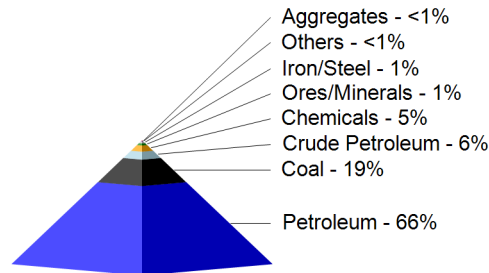
West Virginia - Continued

Commodity Value Distribution Charts by Waterway Type

Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2016 price level
(Values Not Calculated for Foreign Movements)

2016 River Traffic Commodity Value Distribution

Total Value: \$13.15 (Billion)



Remaining <1% unable to release due to insufficient operators

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

Waterway Name	State Rank	Tons	Value
Ohio River	1	44,296.8	\$12,166.2
Kanawha River, WV	2	11,690.4	\$1,837.9
Monongahela River, PA and WV	3	3,712.6	\$233.7
Big Sandy River, Tug and Levisa Forks, KY and WV	4	1,124.4	\$145.6
Little Kanawha River, WV	5	312.6	\$3.9

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

West Virginia 2016 Top 3 Ports (Tons in thousands)

Port Name	U.S. Rank	Type	Total Port Tons	Port Tons Within State
Huntington - Tristate	2	River	37,401.8	22,914.8

Source: USACE Waterborne Commerce Statistics

** Insufficient operators to release tonnage

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