

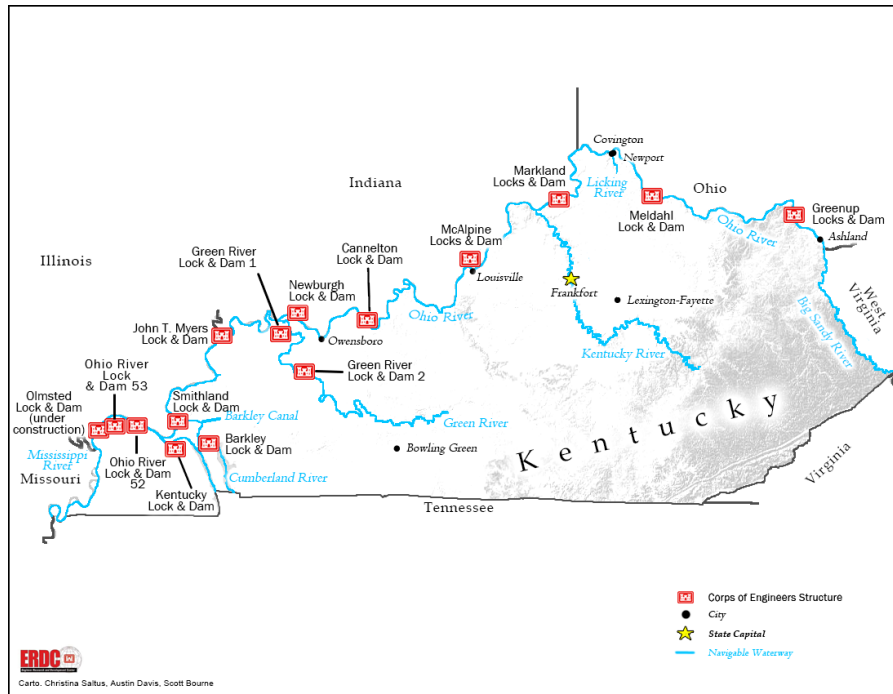


US Army Corps  
of Engineers

U.S. ARMY CORPS OF ENGINEERS

**Kentucky**

BUILDING STRONG®

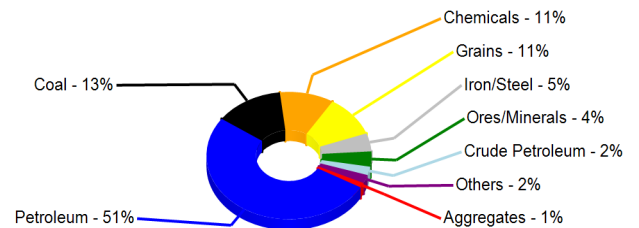


### 2016 State Quick Facts (Tons in Millions)

Tons Shipped -	48.2
Tons Received -	23.2
Tons Shipped Within State -	23.9
Total Commerical Docks -	222
Total Value (billions)-	\$20.09
Total Domestic Tons -	95.4
Total Import Tons -	0.0
Total Export Tons -	0.0
Total Tons -	95.4

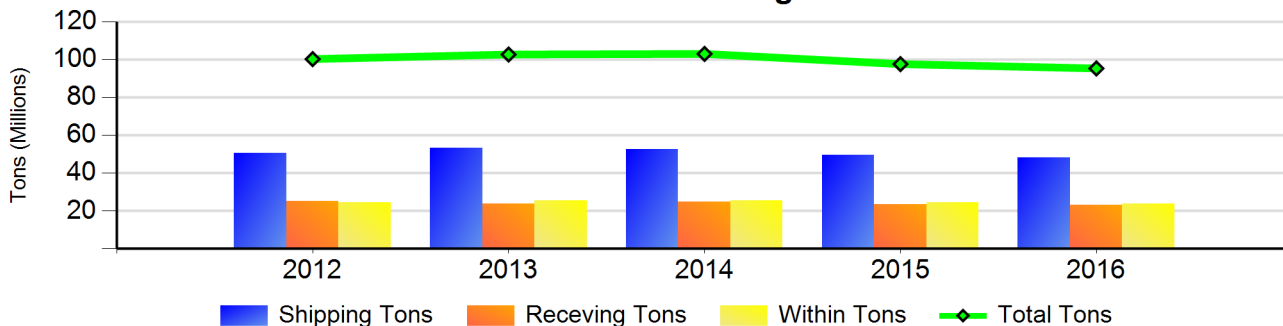
Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2016 price level (Commodity dollar values are not calculated for foreign movements)

### 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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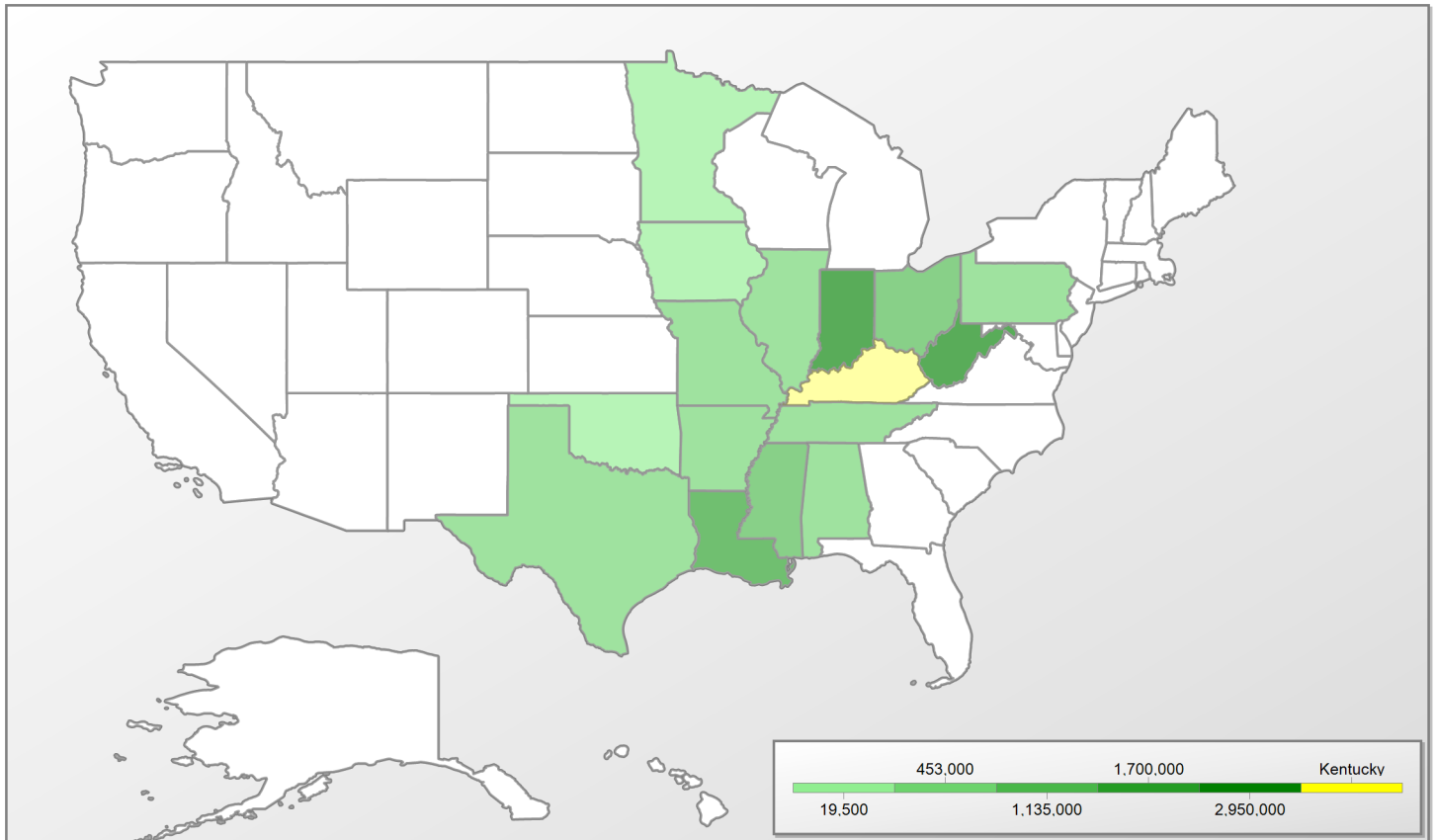
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# Kentucky - Continued

2016 States Sending Commodities to Kentucky



Source: USACE Waterborne Commerce Statistics

State Sending Tons	Total Tonnage Sent to Kentucky	Top Commodity - % of Total Sent to Kentucky
West Virginia	5,634,280	Petroleum-68%
Indiana	5,030,928	Coal-52%
Louisiana	4,037,836	Ores/Minerals-38%
Ohio	2,819,911	**
Illinois	990,396	Coal-47%
Pennsylvania	971,596	Coal-71%
Mississippi	959,746	Others-99%
Tennessee	862,101	Petroleum-92%
Missouri	692,655	Others-50%
Texas	561,872	Chemicals-71%
Arkansas	495,500	Petroleum-93%
Alabama	121,127	Iron/Steel-33%
Oklahoma	51,000	**
Iowa	9,642	**
Minnesota	5,953	**

\*\*Unknown and Not Elsewhere Classified Products

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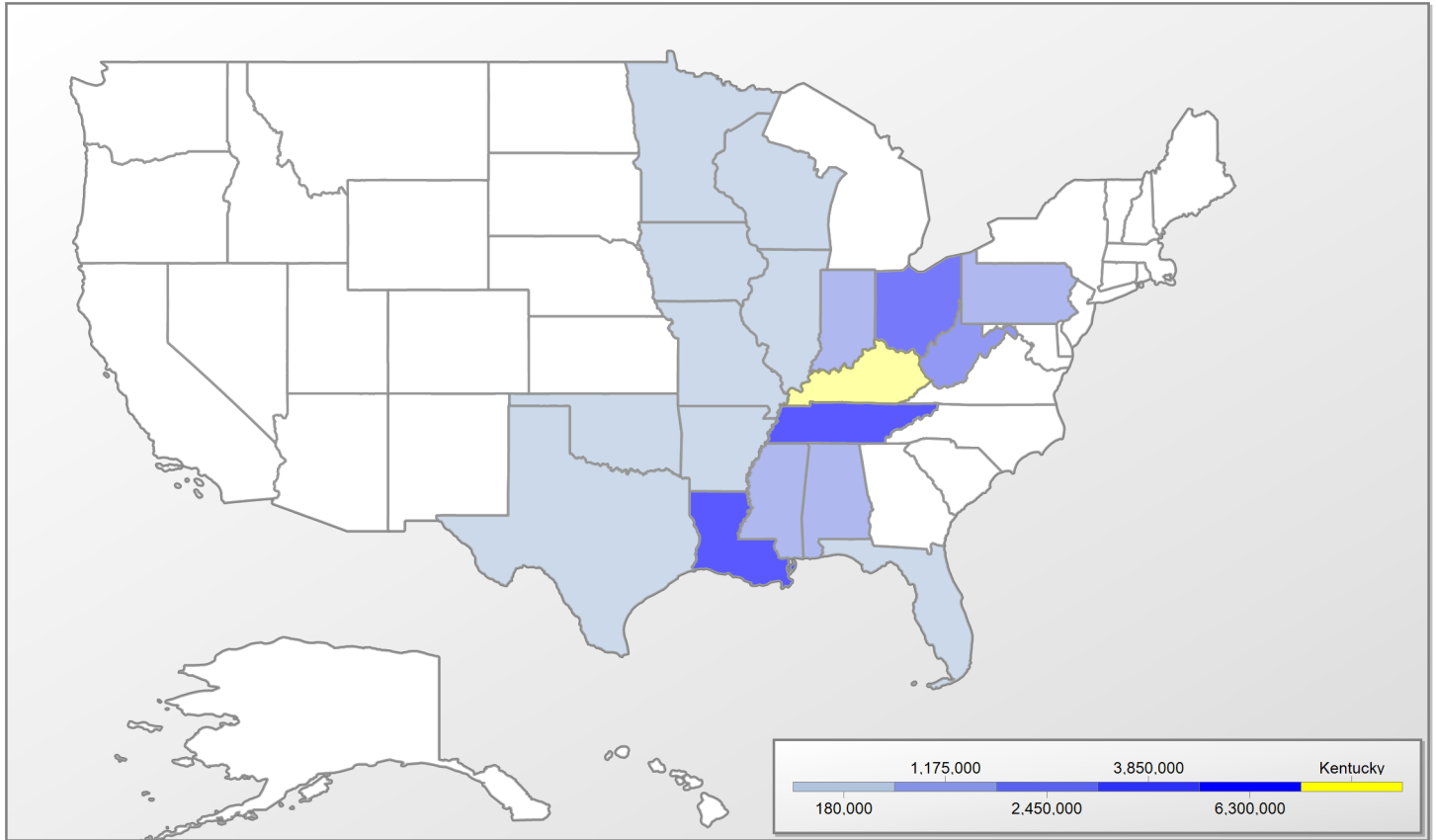
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# Kentucky - Continued

2016 States Receiving Commodities From Kentucky



Source: USACE Waterborne Commerce Statistics

State Receiving Tons	Total Tonnage Recieved from Kentucky	Top Commodity - % of Total Recieved from Kentucky	State Receiving Tons	Total Tonnage Recieved from Kentucky	Top Commodity - % of Total Recieved from Kentucky
Louisiana	15,740,565	Aggregates-39%	Wisconsin	17,663	**
Tennessee	13,329,271	Coal-58%			
Ohio	6,436,164	Coal-56%			
Indiana	3,524,986	Coal-49%			
West Virginia	3,428,117	Aggregates-69%			
Alabama	1,897,081	Coal-65%			
Mississippi	1,673,042	Aggregates-91%			
Pennsylvania	687,956	Aggregates-66%			
Illinois	525,456	Aggregates-26%			
Missouri	340,561	Others-73%			
Arkansas	236,127	Iron/Steel-49%			
Texas	221,703	Aggregates-60%			
Oklahoma	57,558	**			
Iowa	31,476	**			
Florida	28,215	**			
Minnesota	27,186	**			

\*\*Unknown and Not Elsewhere Classified Products

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# Kentucky - Continued

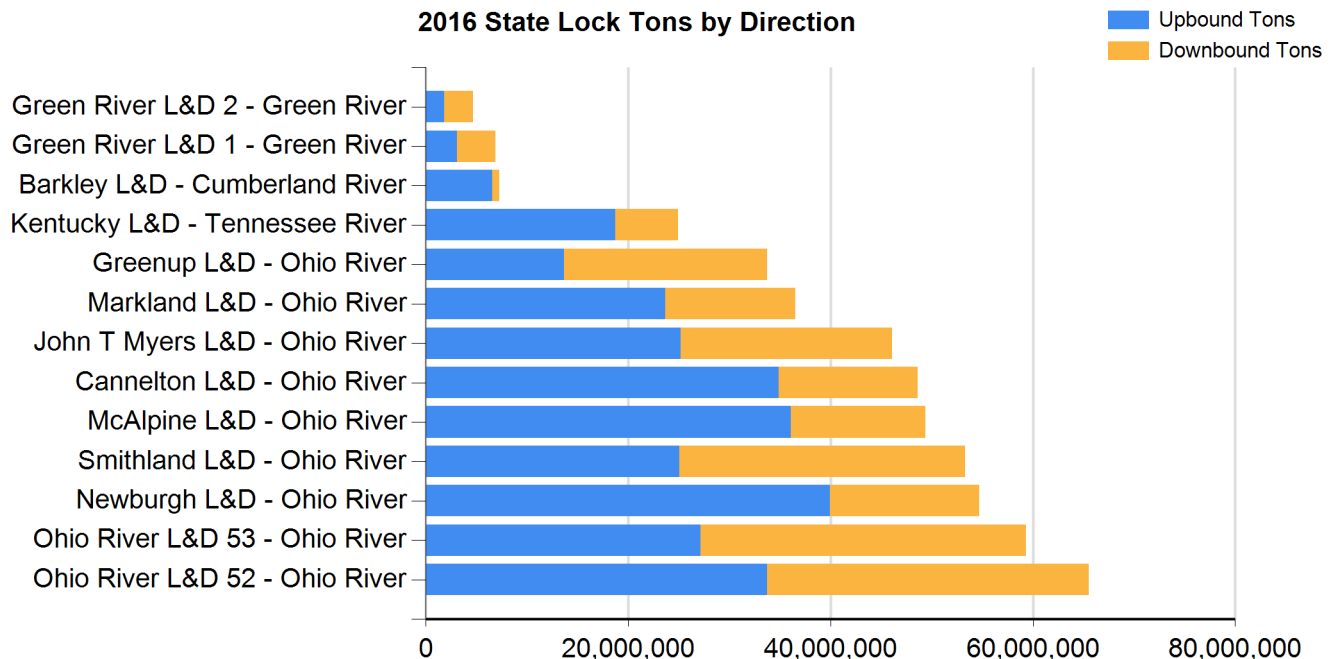
## Five Year Trend of Tonnage Shipped or Received in Kentucky

Commodity Group	Avg Tonnage (Millions)	% of Total Tons (All Years)	Five Year Commodity Trend (Millions of Tons)				
Aggregates	27,287,003	27%	25.58	25.67	27.60	29.19	28.39
			2012	2013	2014	2015	2016
Chemicals	2,918,619	3%	3.53	2.82	2.78	2.70	2.77
			2012	2013	2014	2015	2016
Coal	47,116,593	47%	50.83	52.41	49.87	42.27	40.20
			2012	2013	2014	2015	2016
Crude Petroleum	311,579	<1%	0.13			0.52	0.68
			**2012	2013	**2014	2015	2016
Grains	5,101,347	5%	4.01	4.90	5.45	5.62	5.53
			2012	2013	2014	2015	2016
Iron/Steel	2,925,548	3%	3.32	3.50	3.43	2.30	2.08
			2012	2013	2014	2015	2016
Ores/Minerals	1,956,987	2%	1.91	1.95	2.03	2.05	1.84
			2012	2013	2014	2015	2016
Others	3,198,677	3%	3.58	3.16	3.05	3.00	3.19
			2012	2013	2014	2015	2016
Petroleum	8,998,672	9%	7.51	8.19	8.61	10.00	10.68
			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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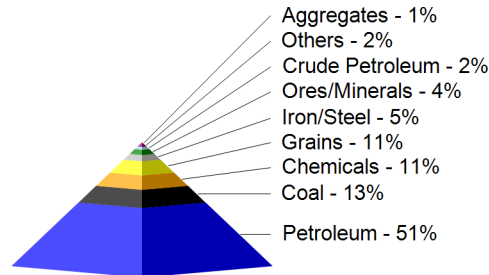
## Kentucky - Continued

### 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: \$20.09 (Billion)



Remaining <1% unable to release due to insufficient operators

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

Waterway Name	State Rank	Tons	Value
Ohio River	1	61,556.5	\$12,540.0
Tennessee River, TN, AL and KY	2	15,510.5	\$3,536.1
Green and Barren Rivers, KY	3	10,715.2	\$995.5
Cumberland River	4	6,957.9	\$255.0
Big Sandy River, Tug and Levisa Forks, KY and WV	5	4,239.3	\$1,724.6

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

#### Kentucky 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	24,422.9
Huntington - Tristate	2	River	37,401.8	4,933.4
Mount Vernon, IN	6	River	7,713.0	905.6

Source: USACE Waterborne Commerce Statistics

\*\* Insufficient operators to release tonnage

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