

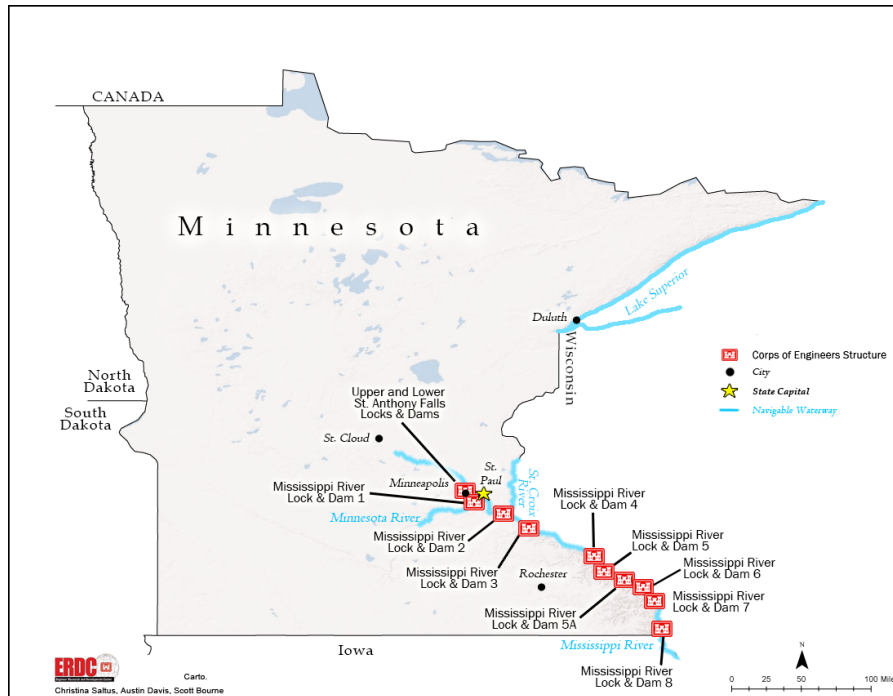


US Army Corps  
of Engineers

U.S. ARMY CORPS OF ENGINEERS

Minnesota

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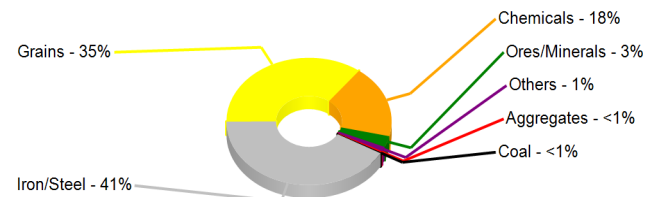


### 2016 State Quick Facts (Tons in Millions)

Tons Shipped -	33.1
Tons Received -	7.0
Tons Shipped Within State -	0.9
Total Commerical Docks -	67
Total Value (billions)-	\$8.49
Total Domestic Tons -	38.5
Total Import Tons -	0.3
Total Export Tons -	2.1
Total Tons -	40.9

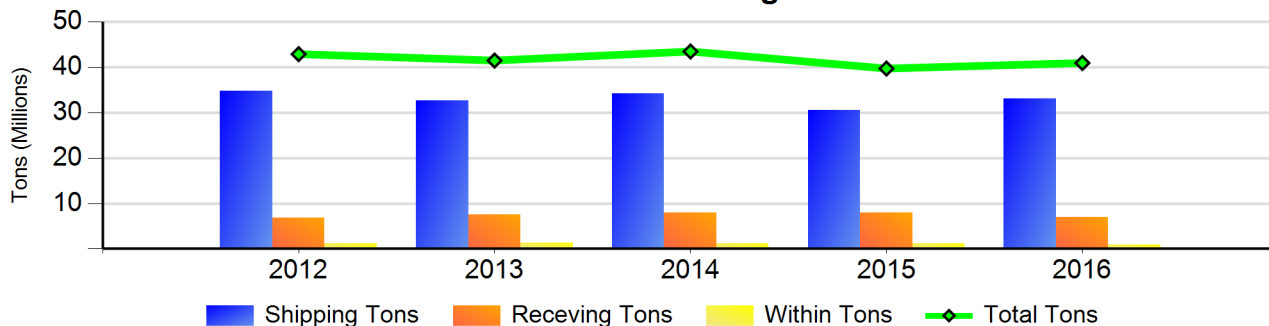
Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2016 price level (Commodity dollar values are not calculated for foreign movements)

### 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 2% unable to release due to insufficient operators

### State Five Year Tonnage Trend



Source: USACE Waterborne Commerce Statistics

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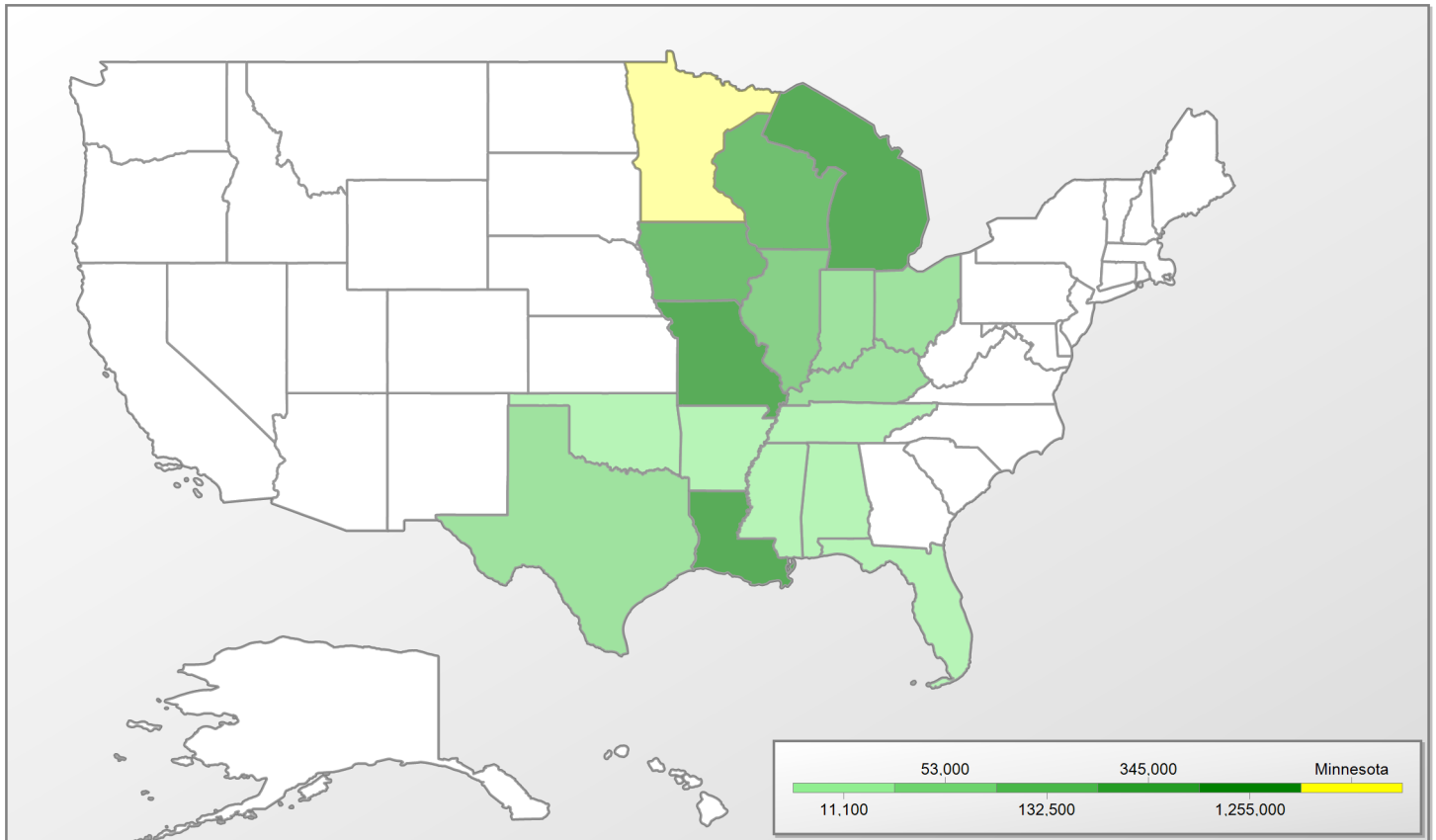
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# Minnesota - Continued

2016 States Sending Commodities to Minnesota



Source: USACE Waterborne Commerce Statistics

State Sending Tons	Total Tonnage Sent to Minnesota	Top Commodity - % of Total Sent to Minnesota	State Sending Tons	Total Tonnage Sent to Minnesota	Top Commodity - % of Total Sent to Minnesota
Louisiana	2,696,247	Chemicals-73%	Florida	1408	**
Michigan	1,892,566	Aggregates-99%	Mississippi	1261	**
Iowa	710,509	**			
Missouri	561,968	**			
Canada	281,998	**			
Wisconsin	276,129	**			
Illinois	135,823	**			
Ohio	97,091	**			
Indiana	86,108	**			
Texas	70,535	Chemicals-100%			
Foreign	64,461	Ores/Minerals-55%			
Oklahoma	27,232	**			
Kentucky	27,186	**			
Alabama	12,264	Grains-88%			
Tennessee	8,350	**			
Arkansas	1,555	**			

\*\*Unknown and Not Elsewhere Classified Products

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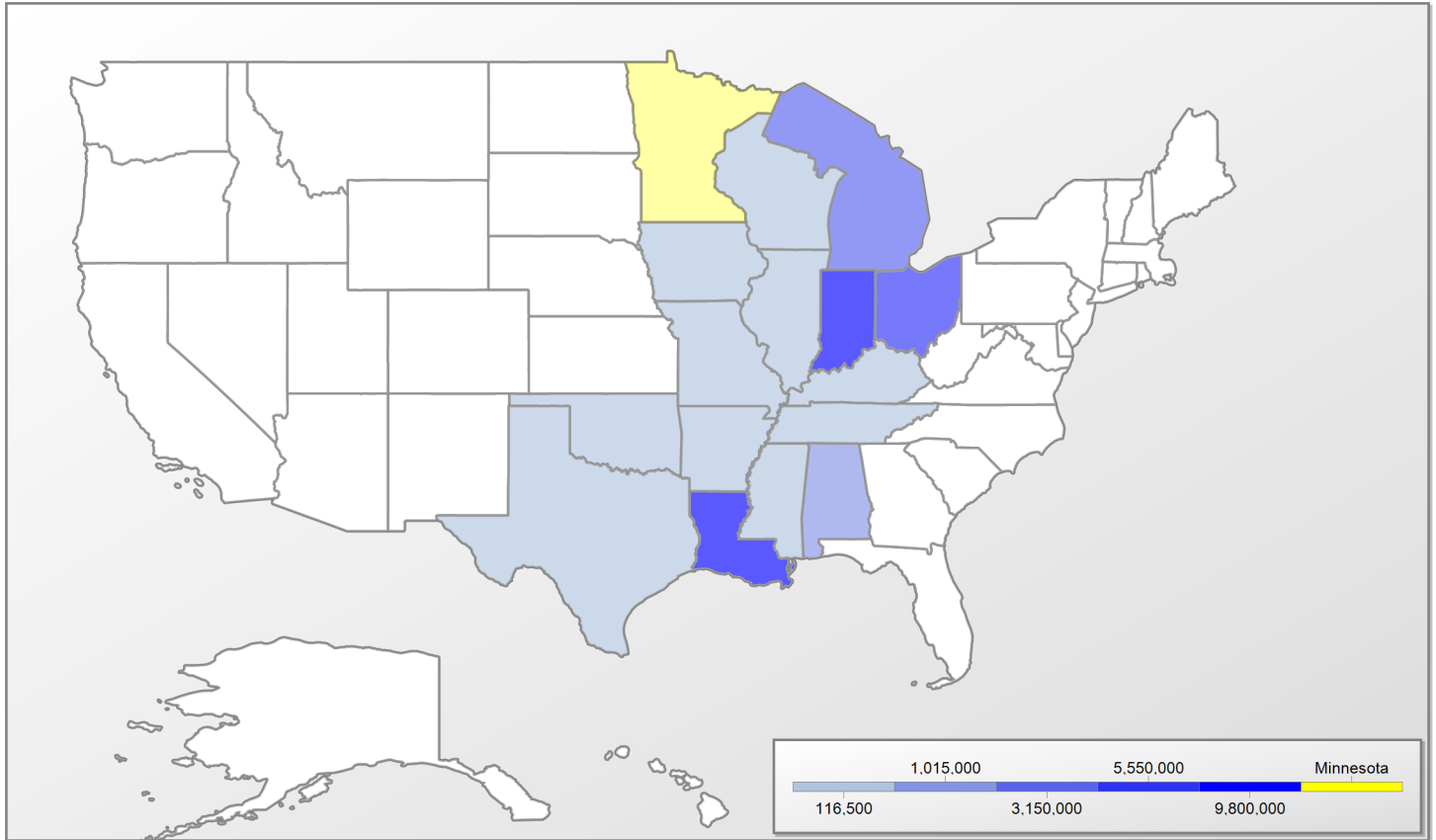
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# Minnesota - Continued

2016 States Receiving Commodities From Minnesota



Source: USACE Waterborne Commerce Statistics

State Receiving Tons	Total Tonnage Recieved from Minnesota	Top Commodity - % of Total Recieved from Minnesota	State Receiving Tons	Total Tonnage Recieved from Minnesota	Top Commodity - % of Total Recieved from Minnesota
Indiana	12,969,313	Iron/Steel-100%	Kentucky	5,953	**
Louisiana	7,780,953	Grains-99%			
Ohio	5,685,861	Iron/Steel-100%			
Michigan	3,520,548	Iron/Steel-100%			
Canada	1,678,472	**			
Foreign	371,700	Grains-75%			
Alabama	258,725	Grains-99%			
Arkansas	220,378	Iron/Steel-97%			
Iowa	183,229	**			
Illinois	150,079	**			
Mississippi	84,540	**			
Missouri	59,766	**			
Tennessee	47,067	**			
Wisconsin	27,529	**			
Texas	21,064	**			
Oklahoma	7,736	**			

\*\*Unknown and Not Elsewhere Classified Products

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# Minnesota - Continued

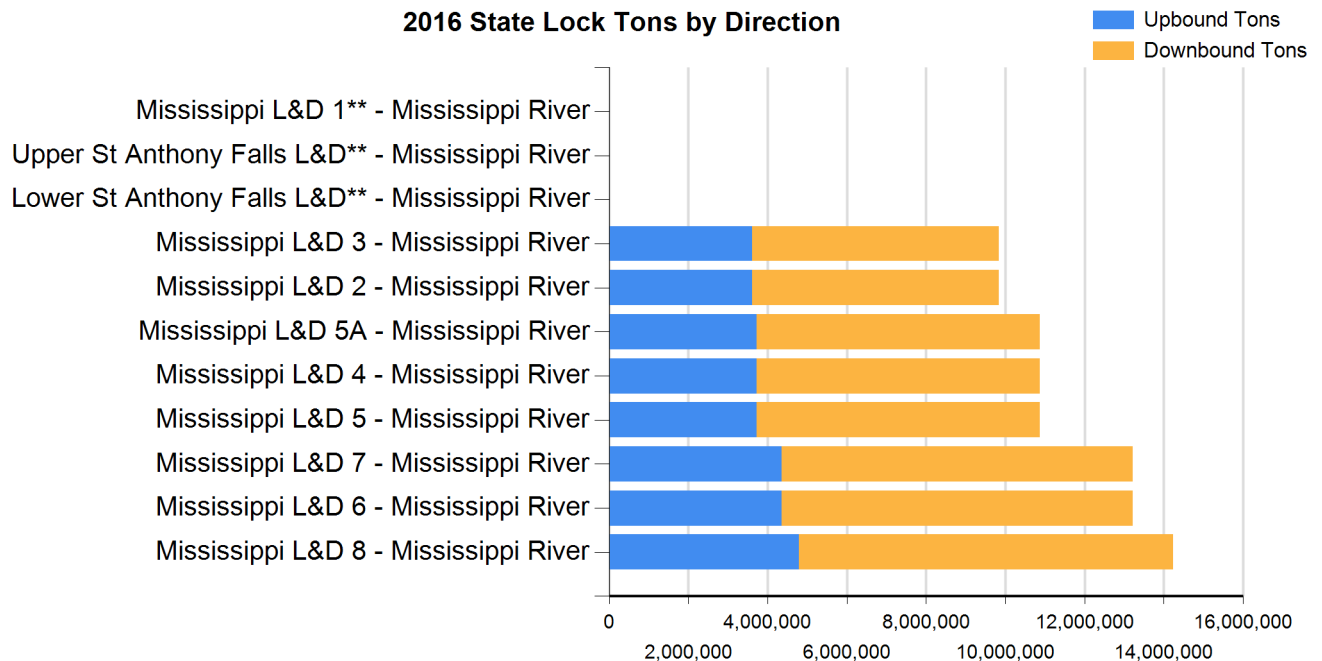
## Five Year Trend of Tonnage Shipped or Received in Minnesota

Commodity Group	Avg Tonnage (Millions)	% of Total Tons (All Years)	Five Year Commodity Trend (Millions of Tons)				
Aggregates	3,696,290	9%	3.38	3.97	4.12	3.64	3.37
			2012	2013	2014	2015	2016
Chemicals	2,100,413	5%	1.84	1.86	2.18	2.29	2.32
			2012	2013	2014	2015	2016
Coal	1,153,622	3%	1.41	1.47	1.27	1.22	0.39
			2012	2013	2014	2015	2016
Crude Petroleum	0	**	**	**	**	**	**
			2012	2013	2014	2015	2016
Grains	4,545,344	11%	4.59	2.44	2.85	4.27	8.57
			2012	2013	2014	2015	2016
Iron/Steel	27,811,072	67%	29.62	29.20	30.21	25.96	24.06
			2012	2013	2014	2015	2016
Ores/Minerals	967,427	2%	0.74	1.04	1.20	1.03	0.82
			2012	2013	2014	2015	2016
Others	1,118,403	3%	1.17	1.02	1.14	1.12	1.15
			2012	2013	2014	2015	2016
Petroleum	300,435	<1%	0.12	0.47	0.50	0.17	**
			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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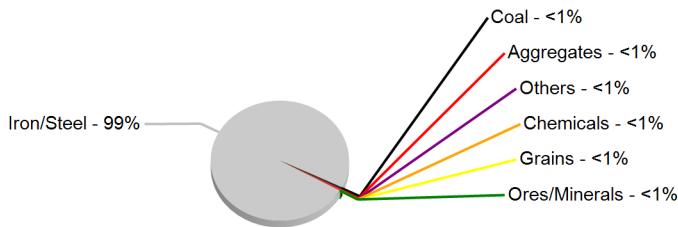
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# Minnesota - Continued

## 2016 Great Lakes Traffic Commodity Value Distribution

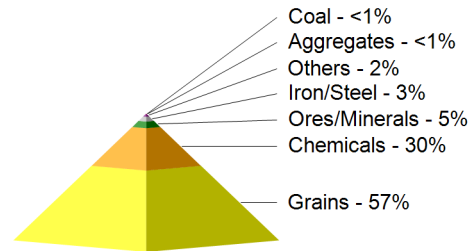
Total Value: \$3.33 (Billion)



Remaining <1% unable to release due to insufficient operators

## 2016 River Traffic Commodity Value Distribution

Total Value: \$5.16 (Billion)



Remaining 3% unable to release due to insufficient operators

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

Waterway Name	State Rank	Tons	Value
Lake Superior	1	26,800.7	\$3,328.5
Mississippi River	2	10,048.5	\$3,809.4
Minnesota River, MN	3	4,090.8	\$1,351.5

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

## Minnesota 2016 Top 3 Ports (Tons in thousands)

Port Name	U.S. Rank	Type	Total Port Tons	Port Tons Within State
Duluth-Superior, MN and WI	1	Lake	30,278.0	7,760.6
Two Harbors, MN	3	Lake	15,431.5	15,431.5
St. Paul, MN	8	River	6,232.0	6,232.0

Source: USACE Waterborne Commerce Statistics

\*\* Insufficient operators to release tonnage

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