

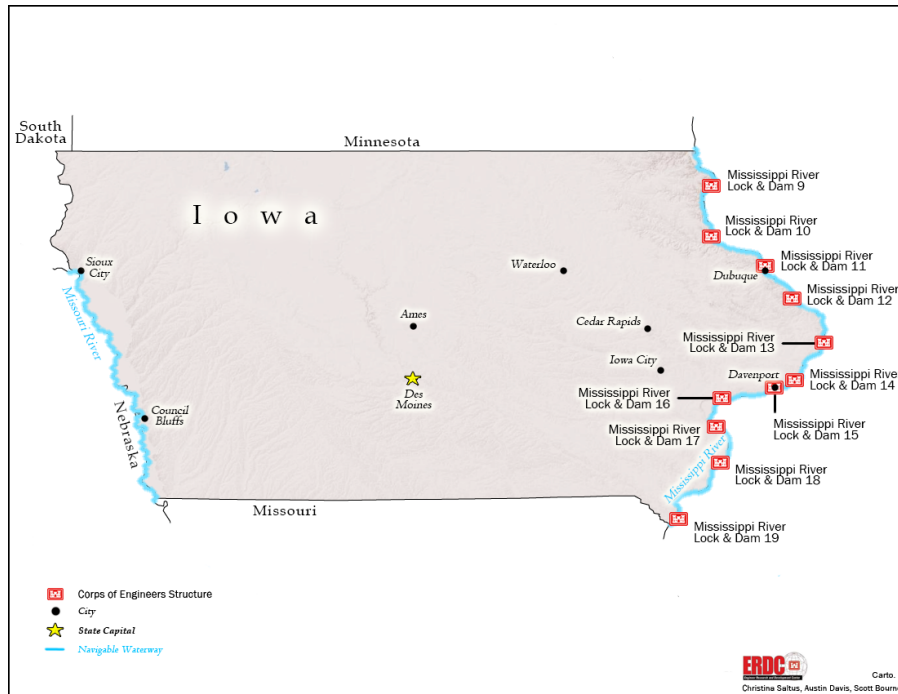


US Army Corps
of Engineers

Iowa

U.S. ARMY CORPS OF ENGINEERS

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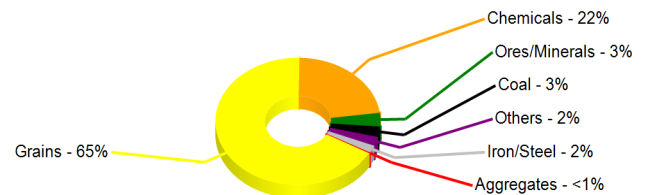


2016 State Quick Facts (Tons in Millions)

Tons Shipped -	8.9
Tons Received -	2.4
Tons Shipped Within State -	0.5
Total Commerical Docks -	50
Total Value (billions)-	\$4.19
Total Domestic Tons -	11.7
Total Import Tons -	0.0
Total Export Tons -	0.0
Total Tons -	11.7

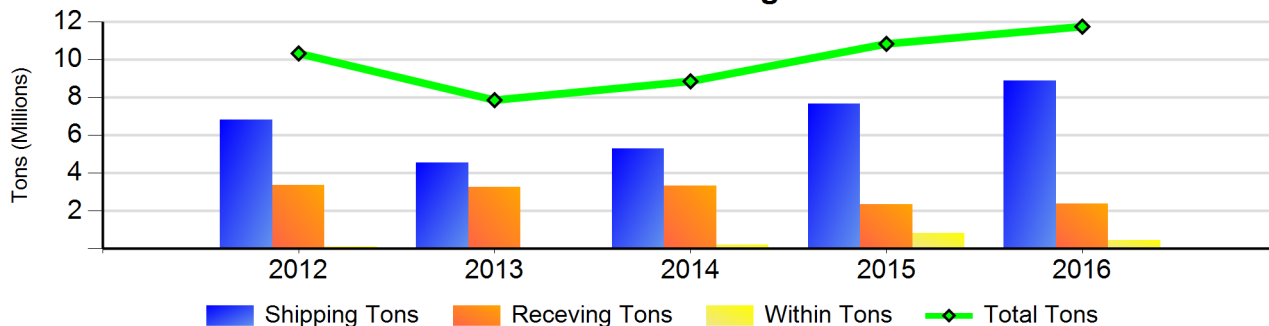
Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2016 price level (Commodity dollar values are not calculated for foreign movements)

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 3% unable to release due to insufficient operators

State Five Year Tonnage Trend



Source: USACE Waterborne Commerce Statistics

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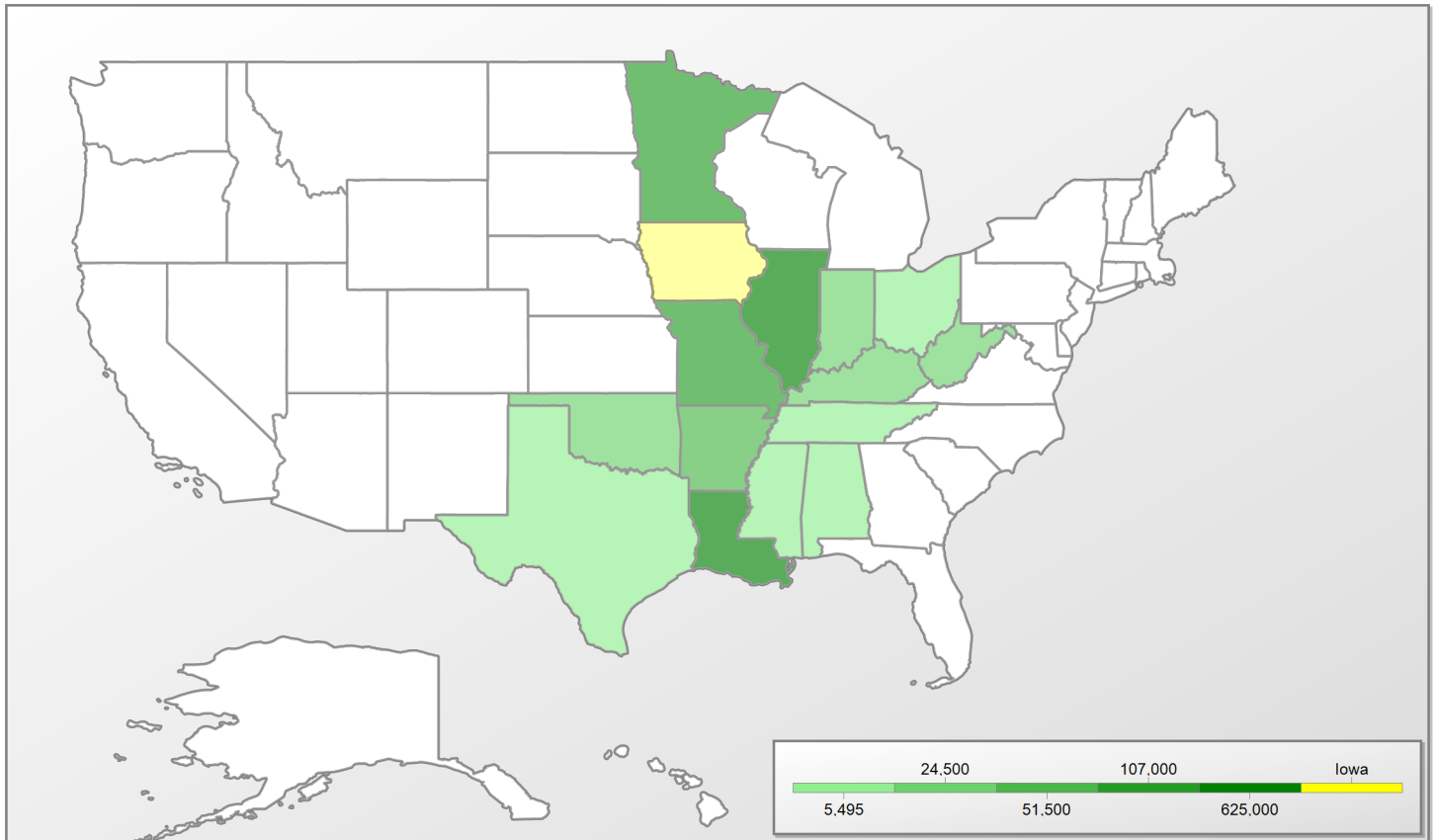
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Iowa - Continued

2016 States Sending Commodities to Iowa



Source: USACE Waterborne Commerce Statistics

State Sending Tons	Total Tonnage Sent to Iowa	Top Commodity - % of Total Sent to Iowa
Louisiana	1,391,193	Chemicals-72%
Illinois	357,566	**
Missouri	253,805	Aggregates-55%
Minnesota	183,229	**
Indiana	50,162	**
Arkansas	46,953	**
Kentucky	31,476	**
West Virginia	31,179	**
Oklahoma	24,200	**
Ohio	12,754	**
Tennessee	4,400	**
Alabama	2,970	**
Texas	1,806	**
Mississippi	998	**
Wisconsin		**

**Unknown and Not Elsewhere Classified Products

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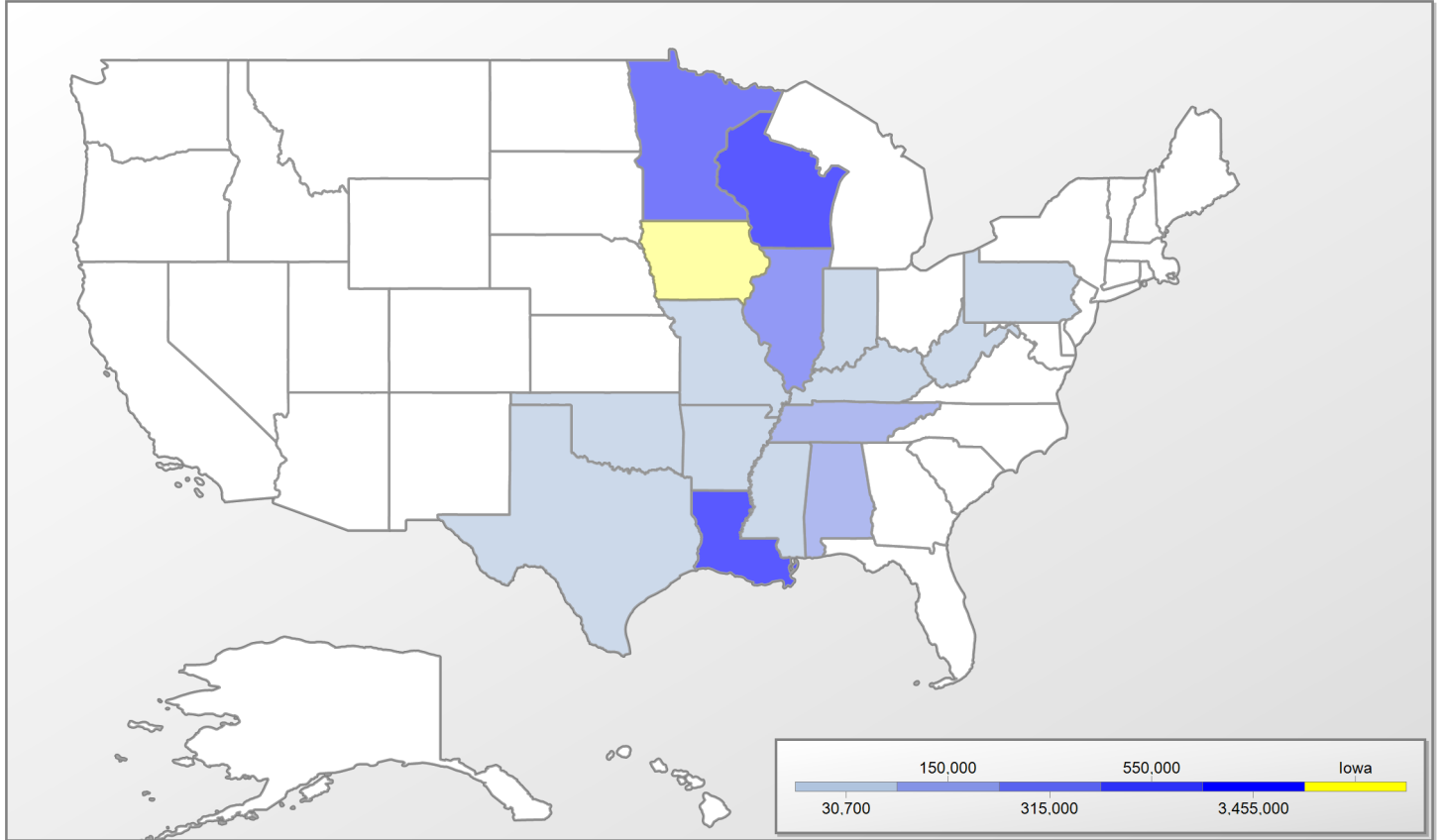
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Iowa - Continued

2016 States Receiving Commodities From Iowa



Source: USACE Waterborne Commerce Statistics

State Receiving Tons	Total Tonnage Recieved from Iowa	Top Commodity - % of Total Recieved from Iowa
Louisiana	6,380,400	Grains-97%
Wisconsin	943,086	**
Minnesota	710,509	**
Illinois	489,900	**
Alabama	195,822	Grains-100%
Tennessee	65,996	**
Texas	54,311	**
Mississippi	14,368	Grains-100%
Indiana	9,786	**
Kentucky	9,642	**
Oklahoma	7,987	**
West Virginia	7,672	**
Pennsylvania	3,276	**
Missouri	2,134	**
Arkansas	1,497	**

**Unknown and Not Elsewhere Classified Products

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Iowa - Continued

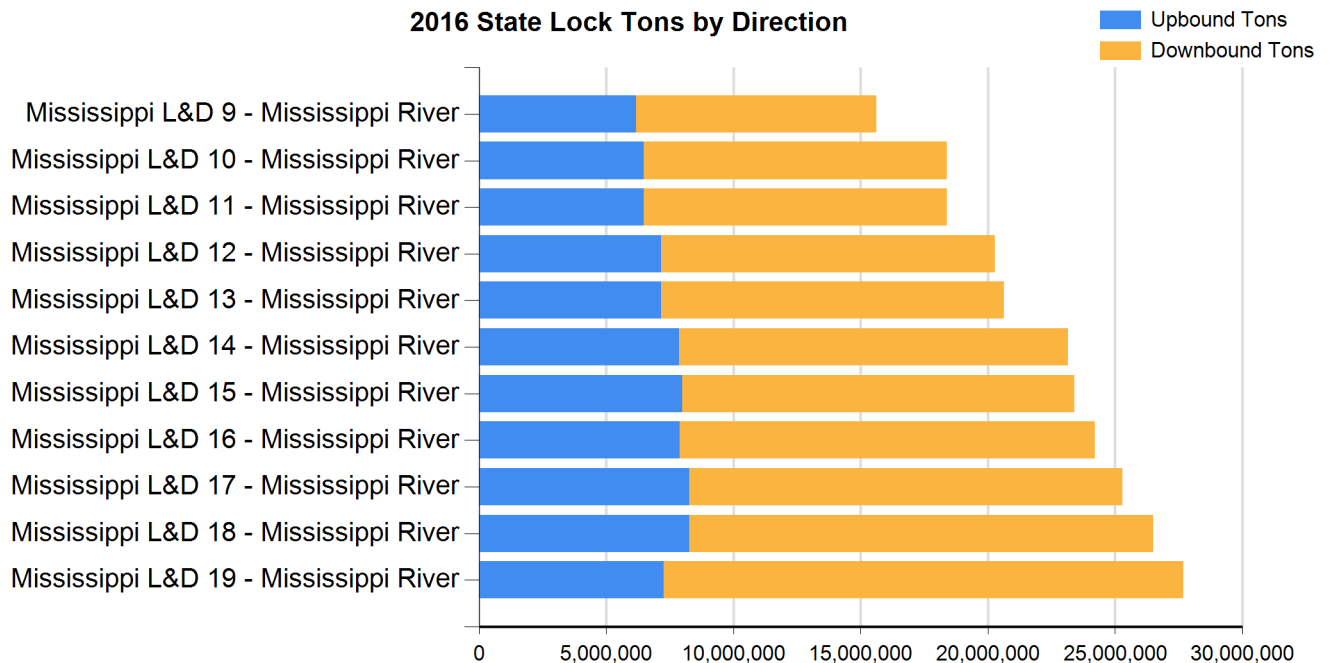
Five Year Trend of Tonnage Shipped or Received in Iowa

Commodity Group	Avg Tonnage (Millions)	% of Total Tons (All Years)	Five Year Commodity Trend (Millions of Tons)				
Aggregates	697,384	7%	0.66	0.73	**	0.75	0.95
			2012	2013	**	2014	2015
Chemicals	1,195,945	12%	1.10	1.16	1.31	1.05	1.36
			2012	2013	2014	2015	2016
Coal	1,968,430	20%	1.99	1.89	1.77	2.58	1.61
			2012	2013	2014	2015	2016
Crude Petroleum	0	**	**	**	**	**	**
			**	**	**	**	**
Grains	4,651,955	47%	5.12	2.76	3.64	5.09	6.66
			2012	2013	2014	2015	2016
Iron/Steel	158,285	2%	0.15	0.17	0.13	0.12	0.22
			2012	2013	2014	2015	2016
Ores/Minerals	400,401	4%	0.27	0.32	0.63	0.44	0.34
			2012	2013	2014	2015	2016
Others	718,140	7%	0.97	0.74	0.77	0.66	0.45
			2012	2013	2014	2015	2016
Petroleum	134,222	1%	0.09	0.21	0.14		
			**	2013	2014	2015	**

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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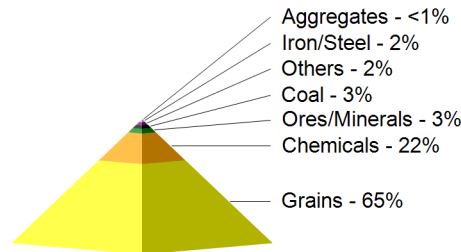
Iowa - Continued

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: \$4.19 (Billion)



Remaining 3% unable to release due to insufficient operators

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

Waterway Name	State Rank	Tons	Value
Mississippi River	1	11,745.2	\$4,190.5

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

Iowa 2016 Top 3 Ports (Tons in thousands)

Port Name	U.S. Rank	Type	Total Port Tons	Port Tons Within State
Dubuque Commercial Harbor, IA	17	River	1,407.0	1,407.0

Source: USACE Waterborne Commerce Statistics

** Insufficient operators to release tonnage

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