

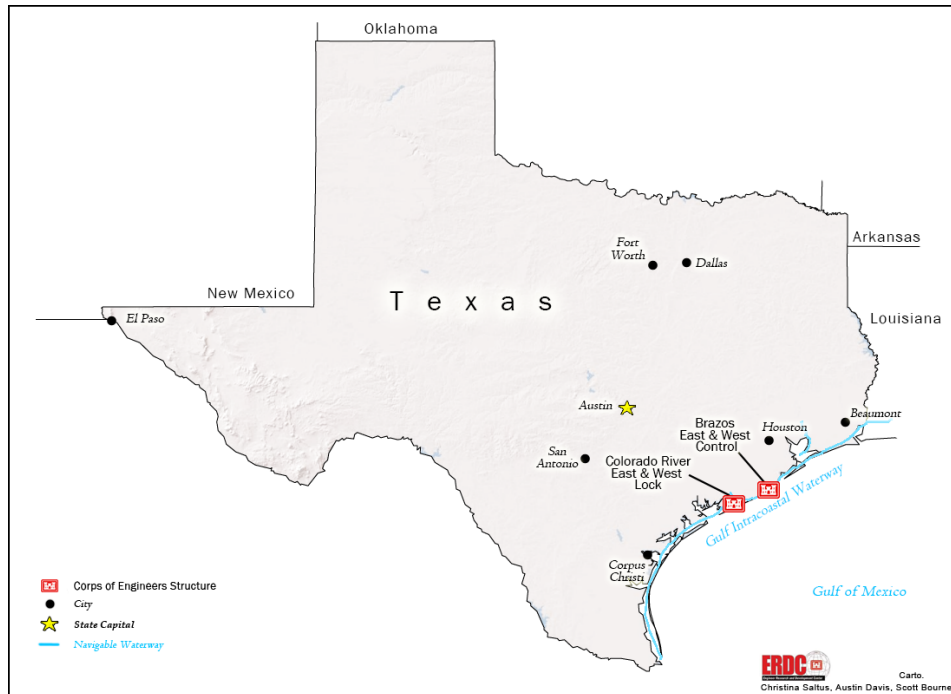


US Army Corps
of Engineers

Texas

U.S. ARMY CORPS OF ENGINEERS

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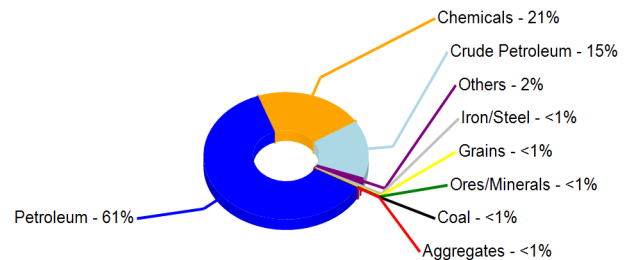


2016 State Quick Facts (Tons in Millions)

Tons Shipped -	235.0
Tons Received -	186.7
Tons Shipped Within State -	75.2
Total Commerical Docks -	426
Total Value (billions)-	\$152.03
Total Domestic Tons -	156.1
Total Import Tons -	159.7
Total Export Tons -	181.1
Total Tons -	496.9

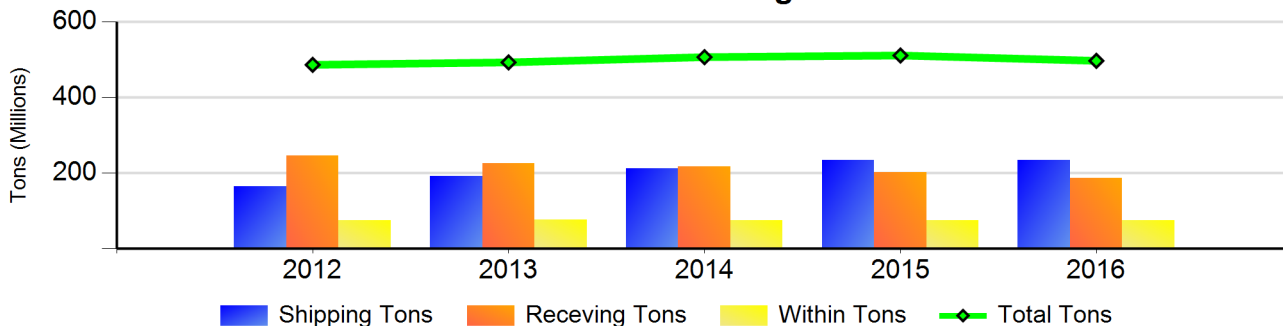
Source: Waterborne Commerce Statistics, Values estimated from 2012 NDSU Commodity Valuation Study, values indexed by CPI to 2016 price level (Commodity dollar values are not calculated for foreign movements)

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 0% unable to release due to insufficient operators

State Five Year Tonnage Trend



Source: USACE Waterborne Commerce Statistics

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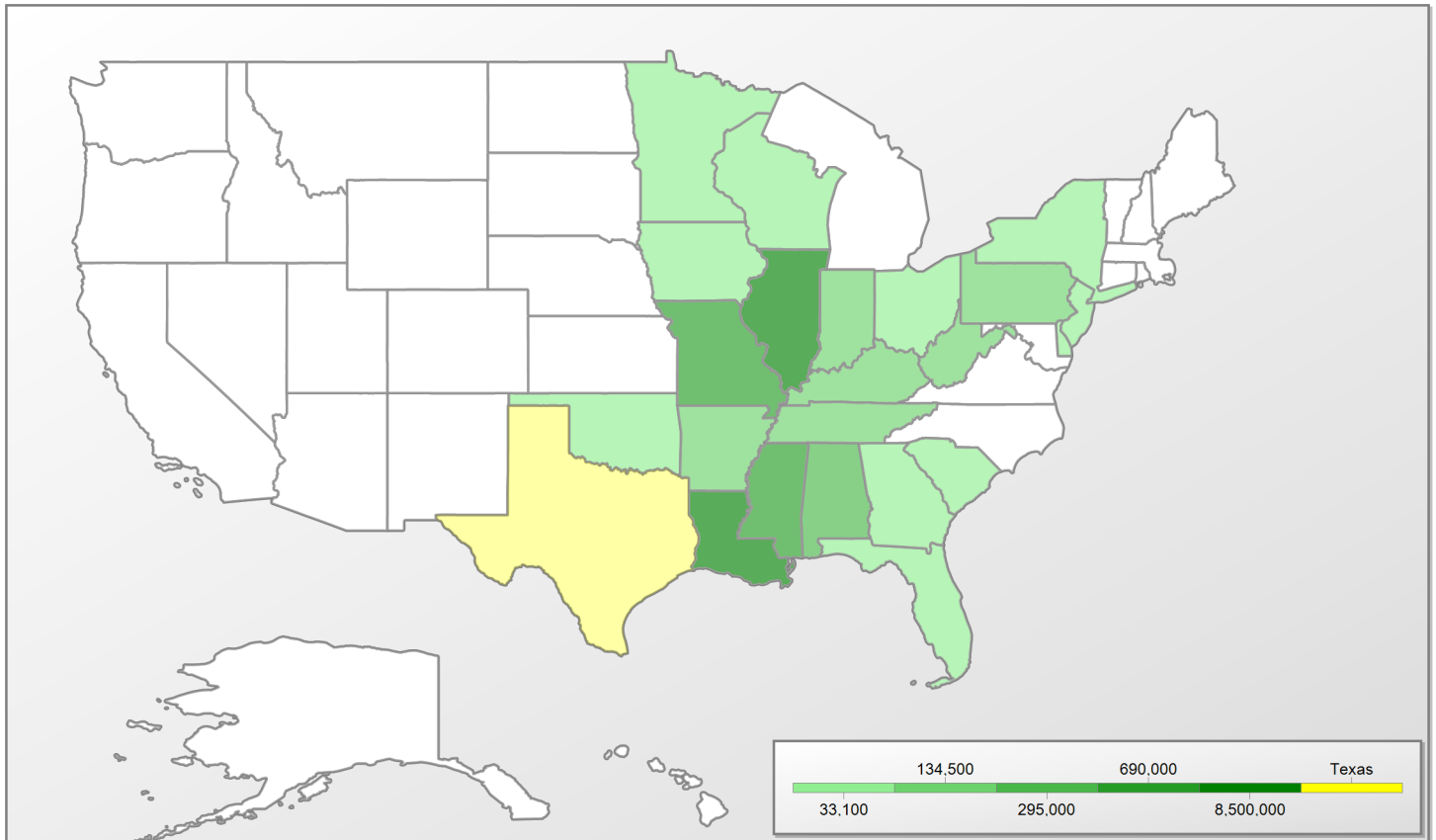
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Texas - Continued

2016 States Sending Commodities to Texas



Source: USACE Waterborne Commerce Statistics

State Sending Tons	Total Tonnage Sent to Texas	Top Commodity - % of Total Sent to Texas	State Sending Tons	Total Tonnage Sent to Texas	Top Commodity - % of Total Sent to Texas
Foreign	159,118,517	Crude Petroleum-62%	Oklahoma	74623	Coal-38%
Louisiana	20,250,684	Petroleum-77%	Iowa	54311	**
Illinois	1,720,183	Petroleum-70%	Wisconsin	38147	**
Mississippi	1,490,653	Petroleum-62%	Virgin Islands	34644	**
Missouri	887,557	Others-60%	Delaware	29227	**
Alabama	604,638	Petroleum-39%	New Jersey	28201	Petroleum-100%
Canada	578,671	**	Minnesota	21064	**
Arkansas	399,924	**	Georgia	14927	**
Pennsylvania	226,770	**	South Carolina	14839	**
Kentucky	221,703	Aggregates-60%	Florida	11562	**
Indiana	194,936	Petroleum-56%	New York	7242	**
West Virginia	187,697	Petroleum-59%			
Trans-shipment Area	172,046	**			
Tennessee	111,697	Petroleum-57%			
Ohio	95,425	Petroleum-43%			
Other	88,642	**			

**Unknown and Not Elsewhere Classified Products

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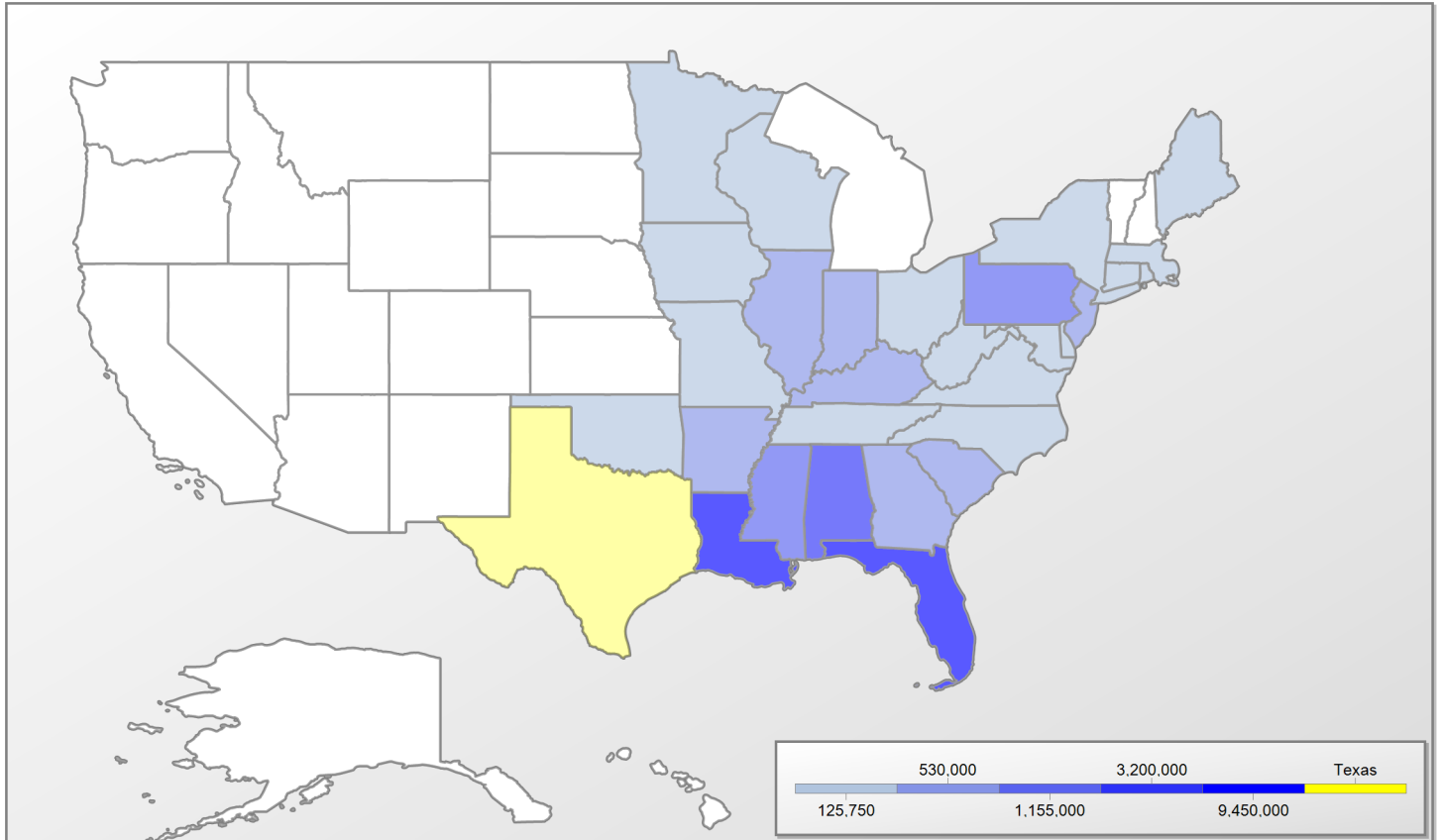
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Texas - Continued

2016 States Receiving Commodities From Texas



Source: USACE Waterborne Commerce Statistics

State Receiving Tons	Total Tonnage Recieved from Texas	Top Commodity - % of Total Recieved from Texas	State Receiving Tons	Total Tonnage Recieved from Texas	Top Commodity - % of Total Recieved from Texas
Foreign	176,892,666	Petroleum-63%	Tennessee	290,043	Iron/Steel-47%
Louisiana	25,854,518	Crude Petroleum-52%	Ohio	241,678	Chemicals-43%
Florida	10,780,708	Petroleum-77%	Delaware	163,883	**
Canada	4,210,270	**	North Carolina	112,039	**
Other	3,546,016	Crude Petroleum-99%	Maryland	85,939	**
Alabama	3,459,586	Chemicals-49%	Trans-shipment Area	81,086	**
Pennsylvania	2,017,841	Crude Petroleum-70%	Minnesota	70,535	Chemicals-100%
New Jersey	1,285,137	Crude Petroleum-51%	Virginia	61,439	**
Mississippi	1,268,825	Crude Petroleum-76%	Massachusetts	58,477	Petroleum-100%
Illinois	1,027,480	Chemicals-57%	Missouri	54,712	Chemicals-89%
South Carolina	748,107	Chemicals-87%	Maine	29,469	**
Arkansas	652,460	Iron/Steel-77%	Connecticut	29,382	Petroleum-100%
Indiana	577,839	Chemicals-72%	Oklahoma	17,599	**
Kentucky	561,872	Chemicals-71%	New York	15,449	**
Georgia	420,101	**	Rhode Island	8,616	**
West Virginia	396,194	Chemicals-59%	Iowa	1,806	**
			Wisconsin	1,508	**

**Unknown and Not Elsewhere Classified Products

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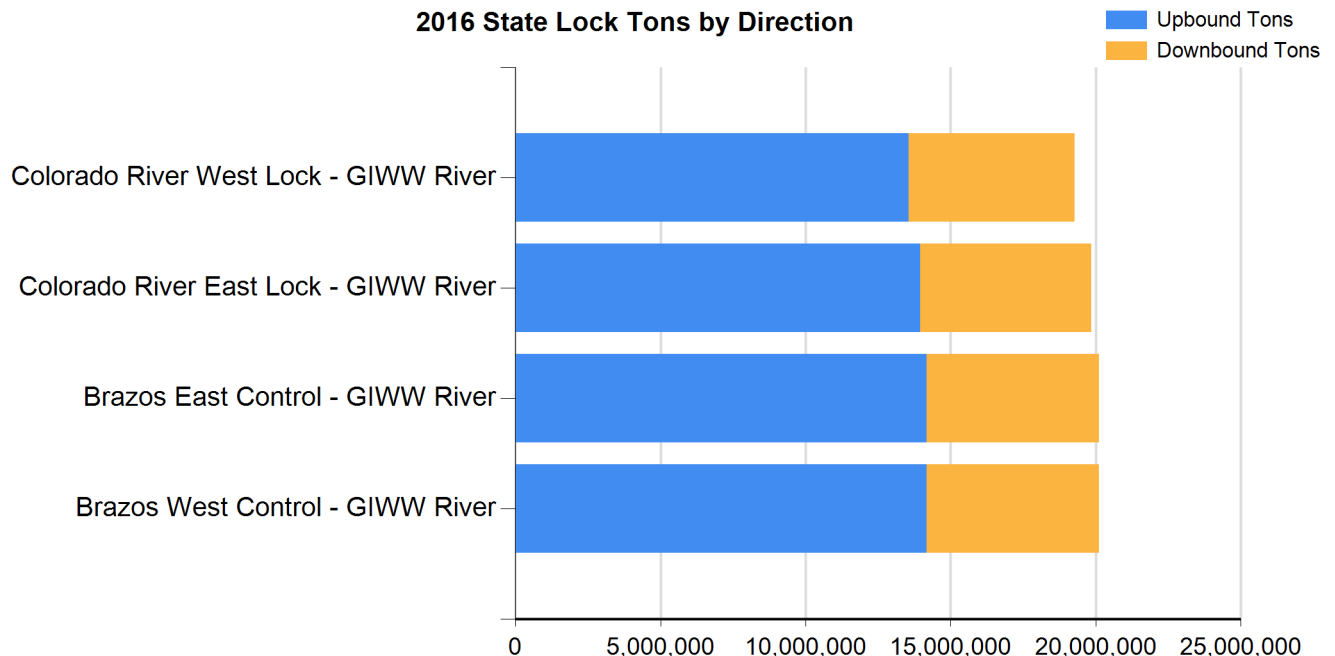
Five Year Trend of Tonnage Shipped or Received in Texas

Commodity Group	Avg Tonnage (Millions)	% of Total Tons (All Years)	Five Year Commodity Trend (Millions of Tons)				
Aggregates	7,437,195	1%	4.86	5.54	8.53	9.78	8.47
			2012	2013	2014	2015	2016
Chemicals	68,933,142	14%	71.73	69.32	67.18	68.30	68.14
			2012	2013	2014	2015	2016
Coal	1,951,029	<1%	2.49	3.19	2.30	0.99	0.77
			2012	2013	2014	2015	2016
Crude Petroleum	163,769,278	33%	173.38	169.37	171.81	158.65	145.64
			2012	2013	2014	2015	2016
Grains	13,004,170	3%	8.97	12.61	14.63	13.33	15.48
			2012	2013	2014	2015	2016
Iron/Steel	12,998,357	3%	13.56	12.84	15.37	13.54	9.70
			2012	2013	2014	2015	2016
Ores/Minerals	12,646,928	3%	14.90	14.66	15.08	13.78	4.81
			2012	2013	2014	2015	2016
Others	23,202,218	5%	19.84	20.93	24.74	25.94	24.55
			2012	2013	2014	2015	2016
Petroleum	194,791,475	39%	176.62	184.34	187.00	206.65	219.35
			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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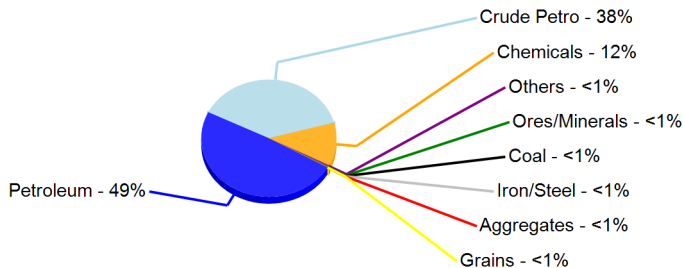
Texas - Continued

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 Coastal Traffic Commodity Value Distribution

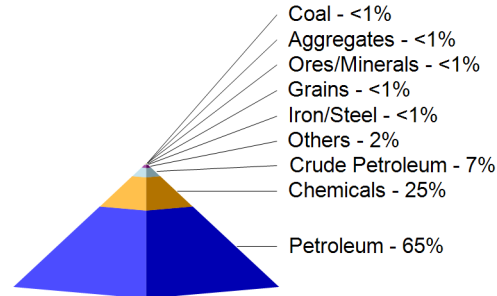
Total Value: \$37.16 (Billion)



Remaining <1% unable to release due to insufficient operators

2016 River Traffic Commodity Value Distribution

Total Value: \$114.87 (Billion)



Remaining <1% unable to release due to insufficient operators

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

Waterway Name	State Rank	Tons	Value
Houston Ship Channel	1	217,070.6	\$83,370.4
Gulf Intracoastal Waterway	2	196,728.5	\$68,003.3
Sabine-Neches Waterway, TX	3	85,319.0	\$35,460.8
Bayport Channel, TX	4	19,238.2	\$5,728.2
Barbours Cut Terminal Channel, TX	5	10,324.5	\$880.9

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

Texas 2016 Top 3 Ports (Tons in thousands)

Port Name	U.S. Rank	Type	Total Port Tons	Port Tons Within State
Houston, TX	1	River/Coastal	247,981.7	247,981.7
Beaumont, TX	3	River/Coastal	84,528.1	84,528.1
Corpus Christi, TX (Alternate Code)	3	Coastal	81,908.8	81,908.8

Source: USACE Waterborne Commerce Statistics

** Insufficient operators to release tonnage

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