

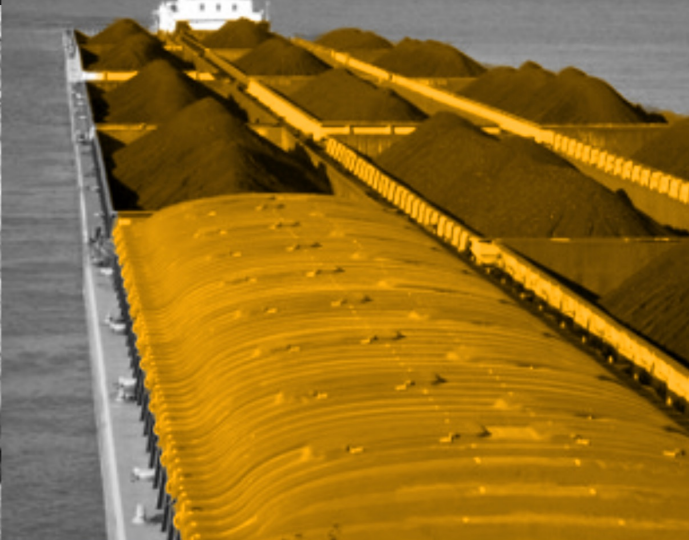
APPENDIX 1



KENTUCKY RIVERPORTS, HIGHWAY
& RAIL FREIGHT STUDY



KENTUCKY
TRANSPORTATION
CABINET



APPENDIX 1

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Appendix 1.1a: Statewide Inbound/Outbound Waterborne Tonnage

INBOUND to KY

Top 10 Inbound Commodities to KY by Water										
Commodity	Name	STCC2	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic	
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value
1	Petroleum or Coal Products	29	6,136,387	\$ 4,108,336,847	5,484,261	\$ 3,639,347,553	5,149,678	\$ 3,417,487,389	4,739,158	\$ 3,145,931,300
2	Coal	11	5,070,714	\$ 157,522,984	2,687,024	\$ 83,473,099	2,522,261	\$ 78,354,653	2,302,754	\$ 71,535,653
3	Nonmetallic Minerals	14	3,286,918	\$ 38,522,497	3,414,114	\$ 41,277,364	3,203,717	\$ 38,744,249	2,921,461	\$ 35,342,889
4	Chemicals or Allied Products	28	2,743,643	\$ 3,363,790,240	3,911,772	\$ 5,575,003,975	3,680,466	\$ 5,243,993,566	3,307,170	\$ 4,687,595,152
5	Crude Petroleum or Natural Gas	13	1,597,404	\$ 703,332,166	1,366,384	\$ 601,635,602	1,282,507	\$ 564,703,695	1,139,504	\$ 501,737,747
6	Primary Metal Products	33	1,321,725	\$ 2,384,757,552	1,893,224	\$ 3,314,393,629	1,780,079	\$ 3,116,174,096	1,631,868	\$ 2,880,044,973
7	Metallic Ores	10	957,939	\$ 80,638,828	529,814	\$ 47,613,806	498,082	\$ 44,781,856	456,745	\$ 41,085,142
8	Lumber or Wood Products	24	920,493	\$ 161,152,778	1,998,539	\$ 349,888,892	1,889,564	\$ 330,810,209	1,706,238	\$ 298,714,973
9	Waste or Scrap Materials	40	356,069	\$ 112,068,942	308,989	\$ 95,851,864	292,271	\$ 90,485,644	280,853	\$ 86,818,488
10	Agricultural Production & Livestock	01	238,823	\$ 76,864,608	482,193	\$ 154,209,306	454,013	\$ 145,167,514	417,661	\$ 133,564,052
Others		Other	345,463	\$ 192,356,846	702,774	\$ 351,527,865	655,576	\$ 326,985,078	602,313	\$ 302,653,318

OUTBOUND FROM KY

Top 10 Outbound Commodities from KY by Water										
Commodity	Name	STCC2	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic	
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value
1	Nonmetallic Minerals	14	20,067,030	\$ 195,125,468	14,323,133	\$ 130,858,774	13,388,773	\$ 122,319,421	12,221,183	\$ 111,704,819
2	Coal	11	14,341,519	\$ 445,522,863	4,298,971	\$ 133,548,715	4,130,275	\$ 128,308,033	3,916,487	\$ 121,666,731
3	Agricultural Production & Livestock	01	4,167,434	\$ 903,984,959	7,950,894	\$ 1,676,972,275	7,522,294	\$ 1,586,258,106	6,924,524	\$ 1,460,395,536
4	Petroleum or Coal Products	29	3,063,277	\$ 1,173,317,279	2,340,285	\$ 1,058,458,602	2,186,296	\$ 989,117,199	2,014,914	\$ 917,753,809
5	Clay, Concrete, Glass or Stone	32	2,575,864	\$ 648,138,252	2,362,962	\$ 615,046,038	2,209,004	\$ 574,725,217	1,996,420	\$ 519,718,675
6	Primary Metal Products	33	1,058,566	\$ 1,325,958,295	1,004,218	\$ 1,350,312,829	943,401	\$ 1,269,256,445	869,154	\$ 1,172,894,054
7	Chemicals or Allied Products	28	1,010,207	\$ 565,825,312	1,004,367	\$ 623,604,771	940,924	\$ 583,636,380	844,329	\$ 524,272,530
8	Food or Kindred Products	20	624,314	\$ 114,280,436	1,684,277	\$ 309,889,532	1,567,671	\$ 288,592,990	1,446,159	\$ 266,038,694
9	Waste or Scrap Materials	40	144,003	\$ 46,801,100	201,116	\$ 65,362,981	190,276	\$ 61,839,615	182,398	\$ 59,279,713
10	Metallic Ores	10	77,399	\$ 5,815,276	62,325	\$ 4,759,177	58,513	\$ 4,468,838	53,680	\$ 4,102,082
Others		Other	20,974	\$ 22,185,084	17,017	\$ 19,921,426	15,901	\$ 18,824,390	14,278	\$ 17,442,056

INBOUND to KY

Top 10 Inbound Water Divertible Commodities to KY by Truck										
Commodity	Name	STCC2	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic	
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value
1	Nonmetallic Minerals	14	19,520,331	\$ 239,445,960	27,655,900	\$ 339,263,125	25,921,351	\$ 318,049,831	23,548,888	\$ 289,080,732
2	Agricultural Production & Livestock	01	13,099,467	\$ 5,476,447,304	19,127,840	\$ 8,442,873,934	18,041,769	\$ 7,964,559,041	16,607,490	\$ 7,333,019,005
3	Petroleum or Coal Products	29	5,625,340	\$ 3,279,228,648	10,223,848	\$ 6,385,125,063	9,547,439	\$ 5,959,277,834	9,029,999	\$ 5,662,893,272
4	Clay, Concrete, Glass or Stone	32	4,593,866	\$ 1,104,163,522	6,172,750	\$ 1,495,664,294	5,805,930	\$ 1,403,065,157	5,300,607	\$ 1,279,203,104
5	Chemicals or Allied Products	28	2,886,710	\$ 3,601,475,720	4,825,284	\$ 6,985,718,464	4,538,949	\$ 6,570,582,506	4,083,290	\$ 5,921,991,672
6	Primary Metal Products	33	1,259,393	\$ 3,054,563,592	1,711,588	\$ 4,221,496,072	1,615,014	\$ 3,987,053,313	1,513,675	\$ 3,734,631,543
7	Lumber or Wood Products	24	759,488	\$ 328,803,758	824,227	\$ 380,928,987	778,324	\$ 359,773,076	723,713	\$ 335,700,810
8	Rubber or Miscellaneous Plastics	30	682,446	\$ 2,619,821,093	919,815	\$ 3,571,705,999	861,509	\$ 3,345,291,858	791,943	\$ 3,077,032,139
9	Coal	11	441,765	\$ 13,757,828	115,004	\$ 3,700,022	107,771	\$ 3,467,743	98,032	\$ 3,155,855
10	Metallic Ores	10	13,059	\$ 10,553,416	3,335	\$ 5,243,044	3,133	\$ 4,923,996	2,882	\$ 4,533,897
Others		Other	-	\$ -	-	\$ -	-	\$ -	-	\$ -

Appendix 1.1a: Statewide Inbound/Outbound Waterborne Tonnage

OUTBOUND FROM KY

Top 10 Outbound Water Divertible Commodities from KY by Truck											
Commodity	Name	STCC2	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic		
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value	
1	Nonmetallic Minerals	14	20,376,434	\$ 221,035,634	12,485,453	\$ 135,060,493	11,682,614	\$ 126,453,386	10,651,436	\$ 115,405,772	
2	Agricultural Production & Livestock	01	15,226,811	\$ 5,334,427,685	20,821,903	\$ 9,192,619,195	19,642,915	\$ 8,678,501,162	18,029,564	\$ 7,967,702,993	
3	Clay, Concrete, Glass or Stone	32	10,673,548	\$ 1,833,095,701	15,724,769	\$ 2,811,512,707	14,745,357	\$ 2,633,526,370	13,343,045	\$ 2,377,636,154	
4	Petroleum or Coal Products	29	7,387,853	\$ 3,994,048,641	12,525,979	\$ 7,772,096,586	11,694,094	\$ 7,253,253,698	11,039,858	\$ 6,879,679,261	
5	Chemicals or Allied Products	28	4,060,587	\$ 6,565,192,729	6,006,896	\$ 13,220,574,752	5,646,006	\$ 12,422,597,954	5,021,641	\$ 11,061,071,304	
6	Primary Metal Products	33	3,738,163	\$ 8,649,382,746	6,150,510	\$ 13,756,792,211	5,797,944	\$ 12,966,612,648	5,409,809	\$ 12,102,982,140	
7	Rubber or Miscellaneous Plastics	30	1,759,406	\$ 6,601,259,872	3,377,023	\$ 12,677,190,369	3,166,869	\$ 11,887,630,293	2,895,976	\$ 10,870,652,979	
8	Coal	11	904,854	\$ 28,112,361	182,200	\$ 5,670,526	170,309	\$ 5,301,125	153,130	\$ 4,767,457	
9	Lumber or Wood Products	24	833,086	\$ 336,049,899	1,144,779	\$ 434,589,214	1,083,582	\$ 411,620,214	1,008,695	\$ 385,018,955	
10	Crude Petroleum or Natural Gas	13	32	\$ 25,876	93	\$ 74,534	93	\$ 74,534	93	\$ 74,534	
Others		Other	14	\$ 16,043	24	\$ 28,476	24	\$ 28,476	24	\$ 28,476	

INBOUND to KY

Top 10 Inbound Water Divertible Commodities to KY by Rail											
Commodity	Name	STCC2	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic		
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value	
1	Chemicals or Allied Products	28	268099.4588	192910727.1	425251.6	309473356	400231.9568	291247053.7	367504.68	268308115.7	
2	Primary Metal Products	33	258,190	\$ 572,274,002	588,868	\$ 1,314,868,127	554,942	\$ 1,239,114,809	519,253	\$ 1,159,404,657	
3	Lumber or Wood Products	24	250,250	\$ 91,569,252	101	\$ 476,931	95	\$ 445,109	86	\$ 409,430	
4	Agricultural Production & Livestock	01	58,289	\$ 11,329,892	143,950	\$ 27,986,323	143,951	\$ 27,986,323	143,950	\$ 27,986,323	
5	Petroleum or Coal Products	29	31,326	\$ 17,115,508	16,987	\$ 13,725,699	15,914	\$ 12,860,682	14,691	\$ 11,875,008	
6	Nonmetallic Minerals	14	18,494	\$ 2,225,413	22,966	\$ 4,313,818	21,534	\$ 4,044,629	19,653	\$ 3,692,535	
7	Clay, Concrete, Glass or Stone	32	4,329	\$ 955,245	4,931	\$ 2,131,490	4,618	\$ 1,999,602	4,236	\$ 1,849,698	
8	Rubber or Miscellaneous Plastics	30	1,860	\$ 4,830,055	3,757	\$ 9,758,141	3,522	\$ 9,147,177	3,297	\$ 8,563,015	
9	#N/A										
10	#N/A										
Others		Other	-	\$ -	-	\$ -	-	\$ -	-	\$ -	

OUTBOUND FROM KY

Top 10 Outbound Water Divertible Commodities from KY by Rail											
Commodity	Name	STCC2	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic		
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value	
1	Chemicals or Allied Products	28	129,239	\$ 142,344,384	251,191	\$ 277,870,283	236,233	\$ 261,322,351	204,646	\$ 226,381,212	
2	Clay, Concrete, Glass or Stone	32	56,099	\$ 11,498,395	186,248	\$ 36,579,642	173,983	\$ 34,171,436	153,500	\$ 30,150,862	
3	Petroleum or Coal Products	29	19,845	\$ 9,267,346	47,239	\$ 22,763,119	44,368	\$ 21,376,248	39,818	\$ 19,111,219	
4	Lumber or Wood Products	24	18,022	\$ 7,835,172	43,995	\$ 18,922,151	42,091	\$ 18,111,232	39,958	\$ 17,213,855	
5	Agricultural Production & Livestock	01	9,909	\$ 3,890,707	29,974	\$ 11,624,792	29,975	\$ 11,624,791	29,974	\$ 11,624,792	
6	Rubber or Miscellaneous Plastics	30	9,570	\$ 42,704,712	15,499	\$ 69,174,308	14,520	\$ 64,804,361	13,055	\$ 58,266,570	
7	Primary Metal Products	33	4,551	\$ 14,939,356	12,067	\$ 42,047,004	11,369	\$ 39,614,552	10,671	\$ 37,181,561	
8	Nonmetallic Minerals	14	1,035	\$ 145,184	2,660	\$ 399,059	2,650	\$ 398,510	2,632	\$ 397,550	
9	Crude Petroleum or Natural Gas	13	14	\$ 11,417	41	\$ 32,886	41	\$ 32,886	41	\$ 32,886	
10	#N/A										
Others		Other	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	

Appendix 1.1a: Statewide Inbound/Outbound Waterborne Tonnage

INBOUND to KY

Top 10 Origins of Inbound Commodities to KY by Water											
Origin	Name	BEA	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic		
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value	
1	Charleston, WV		48	4,835,470	\$ 2,772,022,538	3,183,630	\$ 1,768,678,863	2,995,132	\$ 1,665,395,436	2,709,342	\$ 1,504,981,800
2	Wheeling, WV		52	3,236,795	\$ 136,722,830	1,711,104	\$ 62,156,682	1,604,851	\$ 58,366,303	1,464,054	\$ 53,016,663
3	New Orleans, LA		83	2,971,218	\$ 2,811,798,295	3,452,785	\$ 3,848,640,702	3,246,055	\$ 3,617,674,296	2,966,830	\$ 3,332,802,665
4	St. Louis, MO		96	1,566,727	\$ 92,015,730	1,410,350	\$ 143,371,949	1,326,661	\$ 134,809,832	1,210,541	\$ 122,425,802
5	Evansville, IN		69	1,508,692	\$ 370,239,854	2,222,426	\$ 485,404,061	2,084,193	\$ 454,631,460	1,897,684	\$ 413,418,371
6	Louisville, KY*		70	1,387,650	\$ 34,651,415	948,658	\$ 96,501,096	888,917	\$ 90,162,192	813,567	\$ 84,698,989
7	Cleveland, OH		55	1,091,998	\$ 433,813,770	914,021	\$ 254,999,522	857,785	\$ 239,403,005	771,716	\$ 213,550,412
8	Memphis, TN		73	1,076,529	\$ 725,145,426	1,600,498	\$ 1,080,271,450	1,502,030	\$ 1,013,817,108	1,415,880	\$ 956,191,269
9	Tupelo, MS		75	893,209	\$ 185,895,366	1,860,608	\$ 339,686,695	1,759,309	\$ 321,363,723	1,589,745	\$ 290,763,594
10	Cincinnati, OH		49	820,620	\$ 289,576,099	1,115,460	\$ 459,807,919	1,043,154	\$ 429,238,205	946,441	\$ 391,229,988
Others				3,586,670	\$ 3,527,462,963	4,359,548	\$ 5,714,704,019	4,100,127	\$ 5,372,826,388	3,719,925	\$ 4,821,944,137

OUTBOUND FROM KY

Top 10 Destinations of Outbound Commodities from KY by Water											
Destination	Name	BEA	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic		
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value	
1	New Orleans, LA		83	10,106,784	\$ 1,448,017,704	10,085,306	\$ 1,992,383,539	9,513,111	\$ 1,877,230,151	8,794,669	\$ 1,728,922,059
2	Nashville, TN		71	9,550,256	\$ 338,176,363	7,333,482	\$ 302,945,583	6,861,305	\$ 283,780,990	6,223,393	\$ 258,199,287
3	Baton Rouge, LA		84	4,144,993	\$ 279,629,492	4,357,514	\$ 417,048,919	4,162,996	\$ 394,192,445	3,960,044	\$ 366,248,269
4	Charleston, WV		48	3,585,815	\$ 471,871,187	1,887,595	\$ 536,444,668	1,773,903	\$ 501,578,144	1,603,665	\$ 458,223,015
5	Louisville, KY*		70	3,418,788	\$ 127,176,564	569,406	\$ 49,637,603	531,812	\$ 46,574,130	484,480	\$ 43,396,681
6	Cincinnati, OH		49	2,284,372	\$ 673,051,276	1,687,314	\$ 670,576,155	1,578,750	\$ 628,155,338	1,440,406	\$ 578,406,449
7	Lake Charles, LA		86	1,869,605	\$ 44,543,444	942,567	\$ 27,954,427	870,968	\$ 25,980,542	806,726	\$ 24,020,161
8	Wheeling, WV		52	1,268,371	\$ 63,409,684	416,409	\$ 33,914,213	393,358	\$ 31,867,650	355,991	\$ 29,010,459
9	Pittsburgh, PA		53	1,123,919	\$ 201,803,155	561,678	\$ 154,173,706	528,741	\$ 145,023,210	480,731	\$ 132,621,294
10	Memphis, TN		73	1,085,151	\$ 36,925,109	417,733	\$ 35,335,289	390,937	\$ 33,267,642	354,945	\$ 30,933,151
Others				8,712,533	\$ 1,762,350,347	6,990,560	\$ 1,768,321,017	6,547,446	\$ 1,659,696,393	5,978,476	\$ 1,525,287,875
				\$ 5,446,954,325							

INBOUND to KY

Top 10 Origins of Inbound Water Divertible Commodities to KY by Truck											
Origin	Name	BEA	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic		
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value	
1	Cincinnati, OH		49	6,573,481	\$ 1,265,308,157	7,929,846	\$ 1,547,251,997	7,405,809	\$ 1,431,566,081	6,800,680	\$ 1,351,626,261
2	Nashville, TN		71	6,104,508	\$ 1,416,339,875	10,000,731	\$ 2,603,627,137	9,399,221	\$ 2,452,445,497	8,641,647	\$ 2,291,813,113
3	Indianapolis, IN		67	4,951,100	\$ 1,415,387,382	5,888,256	\$ 2,054,407,632	5,521,845	\$ 1,927,671,981	5,043,075	\$ 1,771,478,300
4	Louisville, KY*		70	3,398,307	\$ 849,659,030	8,969,584	\$ 3,435,777,955	8,390,167	\$ 3,210,434,996	7,788,252	\$ 3,035,598,957
5	St. Louis, MO		96	2,704,514	\$ 855,403,357	3,594,990	\$ 1,179,776,528	3,383,516	\$ 1,111,263,493	3,097,869	\$ 1,017,600,178
6	Evansville, IN		69	2,109,777	\$ 783,845,650	2,477,853	\$ 1,034,826,955	2,326,231	\$ 970,925,670	2,140,946	\$ 897,431,591
7	Columbus, OH		51	1,681,799	\$ 561,267,325	2,411,654	\$ 656,447,246	2,260,470	\$ 614,989,100	2,065,130	\$ 563,733,977
8	Knoxville, TN		44	1,368,296	\$ 493,441,125	1,501,985	\$ 216,081,772	1,408,430	\$ 202,958,885	1,278,698	\$ 184,183,041
9	Dayton, OH		50	1,318,352	\$ 345,780,455	1,524,964	\$ 434,288,872	1,430,066	\$ 407,023,347	1,312,808	\$ 376,963,173
10	Toledo, OH		56	1,270,303	\$ 502,112,979	1,638,702	\$ 618,683,376	1,538,551	\$ 581,382,345	1,407,959	\$ 535,992,691
Others				17,401,429	\$ 11,239,715,507	25,641,027	\$ 18,050,549,535	24,156,881	\$ 17,005,382,961	22,123,453	\$ 15,614,820,748

* Out-of-state portion of region

Appendix 1.1a: Statewide Inbound/Outbound Waterborne Tonnage

OUTBOUND FROM KY

Top 10 Destinations of Inbound Water Divertible Commodities from KY by Truck											
Commodity	Name	BEA	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic		
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value	
1	Nashville, TN		71	7,664,430	\$ 1,338,087,266	8,223,848	\$ 2,332,902,172	7,701,833	\$ 2,190,431,548	6,993,676	\$ 2,005,237,803
2	Cincinnati, OH		49	6,422,301	\$ 1,282,670,598	7,184,460	\$ 2,438,106,240	6,719,071	\$ 2,278,690,418	6,180,386	\$ 2,123,053,378
3	Indianapolis, IN		67	6,328,094	\$ 2,214,695,357	7,387,897	\$ 4,294,458,592	6,920,869	\$ 4,021,561,191	6,445,025	\$ 3,756,584,417
4	Evansville, IN		69	4,296,092	\$ 1,471,741,934	4,911,793	\$ 2,617,836,444	4,607,395	\$ 2,453,677,528	4,284,847	\$ 2,289,731,823
5	St. Louis, MO		96	3,777,933	\$ 1,486,417,305	5,228,434	\$ 2,843,118,248	4,900,752	\$ 2,666,687,095	4,549,549	\$ 2,486,124,914
6	Columbus, OH		51	2,775,112	\$ 718,176,590	2,207,547	\$ 1,019,858,868	2,075,153	\$ 956,052,536	1,900,420	\$ 876,962,642
7	Memphis, TN		73	2,211,899	\$ 705,332,236	3,051,396	\$ 1,316,096,168	2,867,634	\$ 1,234,583,199	2,643,252	\$ 1,146,013,818
8	Dayton, OH		50	1,886,040	\$ 466,819,287	1,835,214	\$ 782,558,049	1,719,462	\$ 733,680,666	1,572,157	\$ 676,722,803
9	Knoxville, TN		44	1,657,081	\$ 351,549,267	2,031,659	\$ 584,778,991	1,909,368	\$ 549,851,283	1,727,789	\$ 499,396,917
10	Louisville, KY*		70	1,638,436	\$ 585,381,130	1,916,832	\$ 904,198,066	1,793,541	\$ 844,912,585	1,672,887	\$ 794,108,141
Others				26,303,370	\$ 22,941,776,215	34,440,550	\$ 40,872,297,223	32,414,729	\$ 38,455,471,811	29,583,282	\$ 35,111,083,368

INBOUND to KY

Top 10 Origins of Inbound Water Divertible Commodities to KY by Rail											
Origin	Name	BEA	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic		
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value	
1	Non-CMA, QC		235	254,300	\$ 442,596,362	476,388	\$ 997,979,113	448,863	\$ 940,412,711	419,106	\$ 879,698,064
2	Non-CMA BC		240	152,639	\$ 66,940,340	17,162	\$ 33,169,382	16,175	\$ 31,261,813	15,128	\$ 29,247,117
3	Non-CMA, ON		236	111,266	\$ 76,777,565	137,890	\$ 106,465,258	129,629	\$ 100,098,926	119,199	\$ 92,255,159
4	Non-CMA, AB		239	98,600	\$ 74,095,678	82,990	\$ 97,290,562	78,503	\$ 91,668,006	73,231	\$ 85,214,324
5	Non-CMA, SK		238	69,952	\$ 12,537,068	134,298	\$ 25,737,310	130,164	\$ 24,884,923	123,881	\$ 23,605,754
6	Outside US		0	69,272	\$ 74,192,784	125,844	\$ 134,715,757	118,506	\$ 126,869,095	109,686	\$ 117,508,902
7	Montreal, PQ		205	44,078	\$ 90,573,705	93,362	\$ 203,906,339	87,975	\$ 192,160,027	82,189	\$ 179,728,729
8	Non-CMA, MB		237	30,689	\$ 8,361,686	69,537	\$ 16,876,514	69,452	\$ 16,732,044	69,360	\$ 16,573,413
9	Toronto, ON		216	24,952	\$ 17,967,901	33,942	\$ 27,130,353	31,919	\$ 25,512,532	29,423	\$ 23,557,985
10	Non-CMA, NB		234	8,871	\$ 3,796,565	152	\$ 75,351	151	\$ 71,860	150	\$ 67,936
Others				26,217	\$ 25,370,442	35,248	\$ 39,387,947	33,471	\$ 37,173,448	31,319	\$ 34,631,399

OUTBOUND FROM KY

Top 10 Destinations of Inbound Water Divertible Commodities from KY by Rail											
Commodity	Name	BEA	Base Year		2045 Optimistic		2045 Likely		2045 Pessimistic		
			Tonnage	Value	Tonnage	Value	Tonnage	Value	Tonnage	Value	
1	Non-CMA, ON		236	72,704	\$ 89,840,381	155,832	\$ 173,922,189	146,888	\$ 163,684,506	129,590	\$ 144,018,715
2	Toronto, ON		216	58,554	\$ 35,587,642	171,011	\$ 78,461,653	161,049	\$ 73,956,954	143,810	\$ 65,849,422
3	Non-CMA, AB		239	21,963	\$ 26,703,030	46,539	\$ 50,418,727	43,782	\$ 47,392,190	38,413	\$ 41,464,487
4	Non-CMA BC		240	21,042	\$ 16,787,650	42,750	\$ 32,718,506	40,171	\$ 30,755,272	34,903	\$ 26,770,912
5	Non-CMA, MB		237	20,051	\$ 16,113,132	44,650	\$ 33,264,422	42,360	\$ 31,436,536	38,622	\$ 28,117,178
6	Non-CMA, QC		235	14,781	\$ 7,031,195	31,869	\$ 15,094,975	30,019	\$ 14,186,173	26,917	\$ 12,624,960
7	Outside US		0	12,465	\$ 17,996,011	32,009	\$ 48,724,791	30,290	\$ 45,915,238	27,603	\$ 42,496,937
8	Winnipeg, MB		218	8,285	\$ 4,546,207	19,260	\$ 10,069,332	18,342	\$ 9,561,223	17,035	\$ 8,759,953
9	Hamilton, ON		208	3,345	\$ 1,937,692	9,486	\$ 4,433,143	8,949	\$ 4,184,837	7,995	\$ 3,700,681
10	Sudbury, ON		214	2,043	\$ 2,010,281	4,572	\$ 4,091,670	4,301	\$ 3,848,152	3,809	\$ 3,355,812
Others				13,053	\$ 14,083,451	30,937	\$ 28,213,837	29,080	\$ 26,535,286	25,595	\$ 23,201,450

* Out-of-state portion of region

The market identified as "divertible freight" from rail to water is defined as trade reported in the TRANSEARCH database as (1) currently moving by rail in (2) commodities that currently are known to also move in some instances by water and (3) between points that have waterborne commerce facilities. This is not intended to summarize every ton of rail traffic traded with Kentucky that may be carried on part of its journey by water to any destination or inter-modal rail facility in the US as the complex range of such options would not fit into a single table.

App 1.1b: Port Hinterland Inbound/Outbound Waterborne Tonnage

		Eddyville	Greenup-Boyd	Henderson	Hickman-Fulton	Louisville	Maysville-Mason	Meade	Northern Kentucky	Owensboro	Paducah-McCracken	Western Kentucky
STCC2	NAME	TONS_4	TONS_11	TONS_5	TONS_1	TONS_8	TONS_10	TONS_7	TONS_9	TONS_6	TONS_3	TONS_2
1	Agricultural Production & Livestock	247,276	-	192,234	128,163	209,695	18,563	199,027	40,656	160,827	140,120	127,845
10	Metallic Ores	754,655	199,286	727,472	93,223	848,617	253,197	874,996	268,507	891,989	507,684	90,466
11	Coal	753,295	14,771,900	278,151	954,415	18,859,048	34,300,568	17,049,236	27,985,092	748,552	701,878	507,852
13	Crude Petroleum or Natural Gas	20,105	1,574,390	20,105	-	64,394	1,176,085	84,121	51,334	38,439	19,604	5
14	Nonmetallic Minerals	5,003,607	3,997,985	2,727,875	1,062,974	2,379,060	2,745,403	2,272,777	4,138,054	2,516,222	3,245,616	912,386
20	Food or Kindred Products	59,421	-	51,043	62,310	70,823	31,223	83,740	31,440	46,330	35,951	61,908
24	Lumber or Wood Products	908,327	-	920,493	28,752	913,804	7,367	913,804	8,531	913,804	28,752	29,777
28	Chemicals or Allied Products	3,007,558	772,198	2,829,974	2,632,138	1,108,131	2,530,325	1,432,423	2,820,082	1,923,597	3,571,590	2,704,439
29	Petroleum or Coal Products	1,512,969	559,428	1,455,093	1,443,318	3,843,967	1,045,668	4,018,908	6,039,645	3,632,641	1,718,750	1,426,014
30	Rubber or Miscellaneous Plastics	2,026	-	2,026	2,025	3	2	3	2	1	2,025	2,025
32	Clay, Concrete, Glass or Stone	380,155	516,127	354,581	211,550	953,093	911,907	748,387	406,313	217,776	431,071	214,582
33	Primary Metal Products	689,819	69,985	521,265	467,496	1,184,657	1,874,905	1,343,027	2,046,371	590,887	584,790	455,010
34	Fabricated Metal Products	8,671	1,793	7,626	1,561	8,277	13,635	14,039	19,489	10,798	6,856	1,561
35	Machinery	1,889	-	1,884	1,679	817	2,385	817	2,385	209	1,688	1,678
40	Waste or Scrap Materials	284,454	10,833	265,199	166,015	764,819	593,998	815,374	562,904	289,446	201,523	110,068
46	Miscellaneous Mixed Shipments	13,757	53	9,910	3,846	10,109	475	10,109	475	9,910	3,846	3,846

App 1.1b: Port Hinterland Inbound/Outbound Waterborne Tonnage

Inbound Waterborne Tonnage by Partner

		Eddyville	Greenup-Boyd	Henderson	Hickman-Fulton	Louisville	Maysville-Mason	Meade	Northern Kentucky	Owensboro	Paducah-McCracken	Western Kentucky
BEA	REV_NAME	TONS_4	TONS_11	TONS_5	TONS_1	TONS_8	TONS_10	TONS_7	TONS_9	TONS_6	TONS_3	TONS_2
	30 Orlando, FL	-	-	-	-	-	-	-	-	-	-	-
	34 Tampa, FL	-	-	-	-	-	-	-	-	-	-	-
	43 Chattanooga, TN	11,054	5	7,002	20,989	1,578	1,755	1,578	1,945	1,679	23,425	20,989
	44 Knoxville, TN	1,196	373	873	14,782	28,346	32,571	28,346	36,368	241	13,582	14,783
	48 Charleston, WV	1,376,113	212,140	1,124,940	885,387	3,086,456	1,757,092	3,143,686	5,322,029	2,961,814	1,031,216	862,447
	49 Cincinnati, OH	386,168	718,850	359,390	230,787	1,348,166	-	1,220,562	-	515,523	342,332	220,965
	51 Columbus, OH	24,241	-	23,575	15,420	76,723	-	76,414	-	32,742	4,683	3,980
	52 Wheeling, WV	322,313	9,966,711	296,116	156,890	1,838,456	12,080,620	1,252,026	7,265,591	313,269	225,367	157,027
	53 Pittsburgh, PA	88,778	1,233,685	60,903	58,898	443,764	1,420,217	394,134	892,517	92,910	70,798	58,899
	55 Cleveland, OH	73,926	976,221	72,233	8,754	116,534	1,000,001	112,467	77,947	101,665	16,556	8,776
	57 Detroit, MI	-	-	-	-	-	-	-	-	-	-	-
	59 Green Bay, WI	68	-	-	94	-	-	-	-	-	94	94
	64 Chicago, IL	213,782	80,609	171,140	156,158	176,308	231,729	185,625	232,780	159,583	230,935	173,201
	69 Evansville, IN	-	3,826,463	-	506,208	10,904,733	15,295,583	9,651,213	15,252,436	-	190,732	242,154
	70 Louisville, KY*	3,643,834	2,051,791	1,659,900	500,168	-	1,716,335	-	1,723,077	942,945	2,254,780	430,961
	71 Nashville, TN	65,198	383	1,704	84,465	60,538	67,669	60,542	74,825	433	83,292	68,858
	72 Paducah, KY*	-	1,140,755	1,702	-	6,671,488	5,025,434	6,849,554	5,446,093	620,754	-	-
	73 Memphis, TN	307,935	12,688	302,915	471,870	491,426	319,776	507,765	766,575	516,062	488,454	471,870
	74 Huntsville, AL	43,940	3,427	30,968	13,497	3,830	3,440	30,513	1,414	30,832	40,189	13,503
	75 Tupelo, MS	877,113	5,928	863,227	33,286	859,581	22,387	862,606	29,448	856,039	36,310	33,286
	76 Greenville, MS	3,860	13	1,602	3,026	1,455	737	1,955	1,532	2,355	3,801	3,064
	77 Jackson, MS	9,138	305	3,957	6,933	6,340	6,404	7,549	8,321	5,776	8,833	7,022
	78 Birmingham, AL	15,648	645	7,416	15,324	1,386	6,343	1,707	6,700	332	15,644	15,324
	79 Montgomery, AL	55,345	-	45,791	15,978	42,052	8,458	49,363	19,258	45,567	36,342	15,978
	80 Mobile, AL	34,245	19,332	26,472	24,643	12,246	15,477	20,246	19,684	14,102	33,478	24,808
	81 Pensacola, FL	-	-	-	-	-	-	-	-	-	-	-
	82 Biloxi, MS	0	1	0	1,086	0	1	0	0	0	1,085	1,086
	83 New Orleans, LA	2,666,147	275,379	2,367,891	1,451,949	2,454,092	2,978,229	2,755,865	3,437,566	2,482,388	2,617,072	1,502,310
	84 Baton Rouge, LA	536,328	103,976	485,283	428,186	445,123	725,548	508,813	849,228	563,163	662,727	450,369
	85 Lafayette, LA	667,970	174,014	649,884	602,266	89,213	450,380	135,275	501,064	172,651	690,583	602,397
	86 Lake Charles, LA	508,217	69,400	484,949	179,198	452,025	280,917	508,534	372,186	514,647	377,646	233,995
	87 Beaumont, TX	139,094	34,424	116,219	97,524	138,570	139,805	173,899	189,306	63,051	134,375	97,529
	88 Shreveport, LA	876	293	793	945	524	1,001	681	1,165	589	968	954
	89 Monroe, LA	384	3	8	677	5	3	7	5	10	680	677
	90 Little Rock, AR	23,816	3,331	20,132	20,668	18,752	9,029	19,391	25,661	18,909	22,647	20,669
	91 Fort Smith, AR	11,461	13,392	6,441	1,763	10,042	8,889	11,725	12,917	8,894	9,840	1,763
	95 Jonesboro, AR	10,696	9,186	4,939	-	8,052	15,710	8,945	18,049	5,625	8,765	10,137
	96 St. Louis, MO	862,841	1,221,858	566,747	745,467	1,113,850	1,440,481	883,320	1,318,874	568,594	858,782	342,442
	97 Springfield, IL	5,011	1,571	2,997	4,012	4,505	13,586	4,744	14,764	2,926	5,148	4,582
	98 Columbia, MO	2,677	-	2,677	2,677	-	-	-	-	-	2,677	2,677
	99 Kansas City, MO	836	-	836	839	-	-	-	-	-	839	839
	100 Des Moines, IA	16,301	34	15,857	8,108	3	5	4	4	8,195	16,300	14,381
	101 Peoria, IL	13,177	5,553	9,733	10,257	8,126	19,125	8,388	21,806	7,988	14,230	13,418
	102 Davenport, IA	25,331	-	22,066	26,889	6	0	6	0	8,412	35,294	35,294
	104 Madison, WI	2,282	0	1,947	1,412	1	1	1	2	868	2,284	2,279
	105 La Crosse, WI	2	0	-	2	-	1	-	1	-	3	2
	106 Rochester, MN	69	-	12	299	6	2	9	5	8	307	299
	107 Minneapolis, MN	25,645	4,533	14,170	16,106	17,451	37,281	17,458	49,888	8,473	26,725	21,563
	124 Tulsa, OK	129,418	344	110,330	46,551	24,376	64,796	34,938	74,672	111,333	130,635	52,708
	131 Houston, TX	401,334	233,166	383,094	314,367	226,435	191,285	288,993	293,891	198,537	392,236	314,425
	132 Corpus Christi, TX	40,535	73,062	32,461	73,443	35,307	116,835	38,675	60,620	28,979	36,082	73,460
	133 McAllen, TX	3,640	135	3,639	1,219	1,443	771	3,269	1,067	2,565	2,973	1,219

* Out-of-state portion of region

App 1.1b: Port Hinterland Inbound/Outbound Waterborne Tonnage

	Eddyville	Greenup-Boyd	Henderson	Hickman-Fulton	Louisville	Maysville-Mason	Meade	Northern Kentucky	Owensboro	Paducah-McCracken	Western Kentucky	
STCC2	NAME	TONS_4	TONS_11	TONS_5	TONS_1	TONS_8	TONS_10	TONS_7	TONS_9	TONS_6	TONS_3	TONS_2
1	Agricultural Production & Livestock	13,288,861	-	7,103,640	8,831,898	2,389,933	2,256,548	4,276,504	2,351,379	5,901,876	13,461,800	9,926,072
10	Metallc Ores	73,410	1,647	37,149	75,263	18,974	55,722	20,077	54,299	6,927	71,799	92,450
11	Coal	30,884,178	5,210,984	33,109,126	10,045,519	2,665,032	4,350,922	3,053,187	1,981,652	26,370,221	28,883,157	22,884,264
13	Crude Petroleum or Natural Gas	11,446	9,863	11,446	11,568	-	117,736	-	493,619	-	11,446	11,568
14	Nonmetallic Minerals	13,538,564	645,773	15,650,771	16,874,638	13,121,963	2,464,977	12,254,682	9,921,447	21,755,961	17,172,905	17,352,575
20	Food or Kindred Products	2,505,503	-	1,718,827	961,748	676,535	489,102	735,915	489,101	1,698,507	2,301,188	962,785
24	Lumber or Wood Products	65,645	35,890	-	175,086	-	34,491	-	25,567	-	175,086	175,072
28	Chemicals or Allied Products	1,437,376	238,164	1,445,886	714,668	254,756	228,004	271,157	139,620	819,559	1,278,302	665,184
29	Petroleum or Coal Products	3,539,752	7,564,501	3,529,260	1,555,461	279,481	6,484,275	452,701	560,561	2,058,338	3,593,387	1,555,462
30	Rubber or Miscellaneous Plastics	-	-	-	-	-	-	-	-	-	-	-
32	Clay, Concrete, Glass or Stone	1,173,126	1,117,266	517,478	1,835,914	1,274,495	829,145	1,465,176	1,695,028	1,352,586	1,996,782	1,950,199
33	Primary Metal Products	279,555	64,908	264,667	102,829	818,369	880,895	949,993	853,940	191,801	208,893	91,747
34	Fabricated Metal Products	2,173	-	2,173	2,191	-	-	-	-	-	2,182	2,191
35	Machinery	455	-	487	422	-	-	-	-	-	452	1,033
40	Waste or Scrap Materials	182,378	46,124	139,182	130,396	274,113	35,865	274,113	283,935	148,977	180,311	137,484
46	Miscellaneous Mixed Shipments	252	-	252	252	-	-	-	-	-	252	252

App 1.1b: Port Hinterland Inbound/Outbound Waterborne Tonnage

Outbound Waterborne Tonnage by Partner

		Eddyville	Greenup-Boyd	Henderson	Hickman-Fulton	Louisville	Maysville-Mason	Meade	Northern Kentucky	Owensboro	Paducah-McCracken	Western Kentucky
BEA	REV_NAME	TONS_4	TONS_11	TONS_5	TONS_1	TONS_8	TONS_10	TONS_7	TONS_9	TONS_6	TONS_3	TONS_2
30	Orlando, FL	252	-	252	252	-	-	-	-	-	252	252
34	Tampa, FL	13,081	-	5,389	12,892	8,470	43	8,470	8,309	475	12,892	12,892
43	Chattanooga, TN	890,625	13,537	875,829	861,709	95,162	29,455	109,067	91,144	857,977	891,943	864,019
44	Knoxville, TN	373,814	42,597	369,948	354,997	87,387	49,742	91,909	83,620	366,339	371,393	360,627
48	Charleston, WV	2,816,891	259,059	3,514,252	1,817,508	2,306,396	2,667,465	2,379,797	3,590,700	4,148,239	2,965,242	2,509,239
49	Cincinnati, OH	3,821,839	2,733,057	4,113,076	442,705	1,977,012	-	2,517,851	-	4,570,839	2,994,977	2,155,961
51	Columbus, OH	4,531	-	9,307	4,787	10,220	-	10,450	-	9,532	6,159	5,360
52	Wheeling, WV	310,721	1,113,212	1,228,627	457,985	1,995,708	910,058	2,025,036	1,056,585	1,821,964	495,150	458,762
53	Pittsburgh, PA	603,179	1,470,958	586,549	651,871	458,674	1,547,669	477,677	864,377	819,807	698,516	661,357
55	Cleveland, OH	270,606	249,296	465,790	214,758	607,944	422,925	641,010	422,175	536,740	307,168	216,271
57	Detroit, MI	-	2,311	79	-	89	2,555	89	2,556	79	-	-
59	Green Bay, WI	84	-	84	-	84	-	84	-	84	-	-
64	Chicago, IL	445,143	194,285	268,657	703,918	209,128	270,195	230,543	251,881	127,830	754,813	703,980
69	Evansville, IN	7,056	671,687	-	1,774,559	1,643,393	1,012,508	360,088	1,719,199	-	2,191,500	2,253,103
70	Louisville, KY*	17,209,307	2,785,289	18,493,854	5,326,722	-	2,979,671	-	299	11,635,352	15,697,777	14,065,093
71	Nashville, TN	4,877,569	328,276	7,149,324	3,723,504	4,364,439	402,576	4,380,290	4,256,248	10,314,025	5,060,766	3,902,573
72	Paducah, KY*	-	577,053	899	-	311,818	676,207	325,925	295,861	378,553	-	-
73	Memphis, TN	1,547,888	31,448	1,141,336	1,683,846	188,759	74,208	180,263	154,780	1,176,222	1,940,878	1,713,553
74	Huntsville, AL	314,990	10,320	241,617	232,192	35,024	47,932	41,715	47,371	94,051	305,743	252,972
75	Tupelo, MS	51,810	51,908	41,550	60,292	70,113	18,913	70,157	78,455	28,035	60,346	60,292
76	Greenville, MS	562,612	3,700	531,239	662,801	74,170	9,721	74,238	50,219	563,202	665,315	663,176
77	Jackson, MS	805,684	12,459	667,884	920,377	132,915	57,305	140,347	108,220	709,791	962,060	920,414
78	Birmingham, AL	19,222	3,513	19,100	18,131	11,826	4,719	11,826	15,142	8,265	18,153	18,131
79	Montgomery, AL	275,229	15,054	275,229	263,399	252	15,941	252	886	11,830	275,229	263,399
80	Mobile, AL	338,525	84,656	335,467	227,304	161,375	102,865	180,615	128,443	295,539	304,843	230,986
81	Pensacola, FL	12,822	33	1,524	28,803	1,441	1,162	1,701	1,353	1,702	29,066	28,803
82	Biloxi, MS	422,441	14,351	410,775	463,749	132,988	25,583	134,167	91,664	464,467	466,262	463,749
83	New Orleans, LA	19,979,772	2,069,643	14,040,499	10,662,465	4,072,572	4,344,115	5,679,562	3,117,463	12,388,527	19,388,023	12,962,762
84	Baton Rouge, LA	6,209,039	993,061	4,965,024	4,240,736	1,161,730	1,344,230	1,799,200	875,382	4,861,813	6,519,453	4,563,171
85	Lafayette, LA	673,734	24,123	634,163	764,896	201,024	83,773	198,413	198,659	750,328	766,170	764,896
86	Lake Charles, LA	1,747,250	220,453	1,642,873	1,815,875	379,238	253,134	388,064	281,562	1,684,621	1,945,581	1,834,590
87	Beaumont, TX	468,300	16,233	466,731	497,938	82,099	30,008	82,246	63,740	494,973	498,943	497,938
88	Shreveport, LA	244,125	1,658	76,421	465,098	74,283	25,634	72,528	76,564	128,512	466,241	465,228
89	Monroe, LA	71,266	605	62,290	82,921	20,029	5,040	19,613	14,008	70,534	82,930	82,921
90	Little Rock, AR	122,972	9,098	100,598	69,711	96,468	13,720	144,692	71,542	154,986	128,025	69,752
91	Fort Smith, AR	7,913	46	3,047	15,968	1,927	2,496	3,063	2,525	2,123	17,313	15,972
95	Jonesboro, AR	144,923	38,711	65,431	-	102,885	39,523	104,028	113,523	113,174	211,052	191,693
96	St. Louis, MO	422,568	689,869	296,887	587,475	393,950	380,370	481,676	383,561	254,487	475,717	368,193
97	Springfield, IL	20,623	785	7,013	58,211	610	2,094	1,044	1,762	1,236	58,752	58,231
98	Columbia, MO	4,986	-	-	10,912	-	-	-	-	-	10,912	10,912
99	Kansas City, MO	4,751	-	-	18,120	-	-	-	-	-	18,120	18,120
100	Des Moines, IA	61,508	2,797	17,029	65,797	3,174	2,818	5,575	4,045	15,774	68,204	65,797
101	Peoria, IL	41,717	7,839	19,350	79,870	37,656	51,340	39,407	49,477	4,373	82,280	79,908
102	Davenport, IA	123,864	3,540	64,161	115,390	15,763	4,846	29,983	10,450	46,896	129,791	115,439
104	Madison, WI	30,518	3,060	15,524	28,376	3,354	3,030	8,953	3,244	8,646	34,028	28,413
105	La Crosse, WI	17,827	8,244	11,096	16,028	2,113	458	7,394	688	8,561	21,356	16,028
106	Rochester, MN	20	723	65	20	54	763	54	763	63	20	20
107	Minneapolis, MN	83,578	16,427	29,914	133,518	32,417	33,114	33,100	28,960	29,341	134,249	133,518
124	Tulsa, OK	62,663	1	47,278	39,583	19,602	15,623	32,522	15,647	41,832	57,977	39,982
131	Houston, TX	431,224	149,010	210,466	627,644	176,724	240,768	217,388	201,662	295,919	729,475	627,644
132	Corpus Christi, TX	8,299	7,768	5,553	7,057	1,094	9,979	1,197	4,138	5,665	11,436	7,057
133	McAllen, TX	3,312	3,366	1,288	5,186	3,104	5,505	3,244	3,656	1,426	5,451	5,186

* Out-of-state portion of region

App 1.1c: Port Hinterland Inbound Waterborne Tonnage by Partner

Inbound Waterborne Tonnage by Partner

		Eddyville	Greenup-Boyd	Henderson	Hickman-Fulton	Louisville	Maysville-Mason	Meade	Northern Kentucky	Owensboro	Paducah-McCracken	Western Kentucky
BEA	REV_NAME	TONS_4	TONS_11	TONS_5	TONS_1	TONS_8	TONS_10	TONS_7	TONS_9	TONS_6	TONS_3	TONS_2
43	Chattanooga, TN	11,054	5	7,002	20,989	1,578	1,755	1,578	1,945	1,679	23,425	20,989
44	Knoxville, TN	1,196	373	873	14,782	28,346	32,571	28,346	36,368	241	13,582	14,783
48	Charleston, WV	1,376,113	212,140	1,124,940	885,387	3,086,456	1,757,092	3,143,686	5,322,029	2,961,814	1,031,216	862,447
49	Cincinnati, OH	386,168	718,850	359,390	230,787	1,348,166	-	1,220,562	-	515,523	342,332	220,965
51	Columbus, OH	24,241	-	23,575	15,420	76,723	-	76,414	-	32,742	4,683	3,980
52	Wheeling, WV	322,313	9,966,711	296,116	156,890	1,838,456	12,080,620	1,252,026	7,265,591	313,269	225,367	157,027
53	Pittsburgh, PA	88,778	1,233,685	60,903	58,898	443,764	1,420,217	394,134	892,517	92,910	70,798	58,899
55	Cleveland, OH	73,926	976,221	72,233	8,754	116,534	1,000,001	112,467	77,947	101,665	16,556	8,776
59	Green Bay, WI	68	-	-	94	-	-	-	-	-	94	94
64	Chicago, IL	213,782	80,609	171,140	156,158	176,308	231,729	185,625	232,780	159,583	230,935	173,201
71	Nashville, TN	65,198	383	1,704	84,465	60,538	67,669	60,542	74,825	433	83,292	68,858
72	Paducah, KY*	-	1,140,755	1,702	-	6,671,488	5,025,434	6,849,554	5,446,093	620,754	-	-
73	Memphis, TN	307,935	12,688	302,915	471,870	491,426	319,776	507,765	766,575	516,062	488,454	471,870
74	Huntsville, AL	43,940	3,427	30,968	13,497	3,830	3,440	30,513	1,414	30,832	40,189	13,503
75	Tupelo, MS	877,113	5,928	863,227	33,286	859,581	22,387	862,606	29,448	856,039	36,310	33,286
76	Greenville, MS	3,860	13	1,602	3,026	1,455	737	1,955	1,532	2,355	3,801	3,064
77	Jackson, MS	9,138	305	3,957	6,933	6,340	6,404	7,549	8,321	5,776	8,833	7,022
78	Birmingham, AL	15,648	645	7,416	15,324	1,386	6,343	1,707	6,700	332	15,644	15,324
79	Montgomery, AL	55,345	-	45,791	15,978	42,052	8,458	49,363	19,258	45,567	36,342	15,978
80	Mobile, AL	34,245	19,332	26,472	24,643	12,246	15,477	20,246	19,684	14,102	33,478	24,808
82	Biloxi, MS	0	1	0	1,086	0	1	0	0	0	1,085	1,086
83	New Orleans, LA	2,666,147	275,379	2,367,891	1,451,949	2,454,092	2,978,229	2,755,865	3,437,566	2,482,388	2,617,072	1,502,310
84	Baton Rouge, LA	536,328	103,976	485,283	428,186	445,123	725,548	508,813	849,228	563,163	662,727	450,369
85	Lafayette, LA	667,970	174,014	649,884	602,266	89,213	450,380	135,275	501,064	172,651	690,583	602,397
86	Lake Charles, LA	508,217	69,400	484,949	179,198	452,025	280,917	508,534	372,186	514,647	377,646	233,995
87	Beaumont, TX	139,094	34,424	116,219	97,524	138,570	139,805	173,899	189,306	63,051	134,375	97,529
88	Shreveport, LA	876	293	793	945	524	1,001	681	1,165	589	968	954
89	Monroe, LA	384	3	8	677	5	3	7	5	10	680	677
90	Little Rock, AR	23,816	3,331	20,132	20,668	18,752	9,029	19,391	25,661	18,909	22,647	20,669
91	Fort Smith, AR	11,461	13,392	6,441	1,763	10,042	8,889	11,725	12,917	8,894	9,840	1,763
95	Jonesboro, AR	10,696	9,186	4,939	-	8,052	15,710	8,945	18,049	5,625	8,765	10,137
96	St. Louis, MO	862,841	1,221,858	566,747	745,467	1,113,850	1,440,481	883,320	1,318,874	568,594	858,782	342,442
97	Springfield, IL	5,011	1,571	2,997	4,012	4,505	13,586	4,744	14,764	2,926	5,148	4,582
98	Columbia, MO	2,677	-	2,677	2,677	-	-	-	-	-	2,677	2,677
99	Kansas City, MO	836	-	836	839	-	-	-	-	-	839	839
100	Des Moines, IA	16,301	34	15,857	8,108	3	5	4	4	8,195	16,300	14,381
101	Peoria, IL	13,177	5,553	9,733	10,257	8,126	19,125	8,388	21,806	7,988	14,230	13,418
102	Davenport, IA	25,331	-	22,066	26,889	6	0	6	0	8,412	35,294	35,294
104	Madison, WI	2,282	0	1,947	1,412	1	1	1	2	868	2,284	2,279
105	La Crosse, WI	2	0	-	2	-	1	-	1	-	3	2
106	Rochester, MN	69	-	12	299	6	2	9	5	8	307	299
107	Minneapolis, MN	25,645	4,533	14,170	16,106	17,451	37,281	17,458	49,888	8,473	26,725	21,563
124	Tulsa, OK	129,418	344	110,330	46,551	24,376	64,796	34,938	74,672	111,333	130,635	52,708
131	Houston, TX	401,334	233,166	383,094	314,367	226,435	191,285	288,993	293,891	198,537	392,236	314,425
132	Corpus Christi, TX	40,535	73,062	32,461	73,443	35,307	116,835	38,675	60,620	28,979	36,082	73,460
133	McAllen, TX	3,640	135	3,639	1,219	1,443	771	3,269	1,067	2,565	2,973	1,219

* Out-of-state portion of region

App 1.1d: Port Hinterland Outbound Waterborne Tonnage by Partner

Outbound Waterborne Tonnage by Partner

		Eddyville	Greenup-Boyd	Henderson	Hickman-Fulton	Louisville	Maysville-Mason	Meade	Northern Kentucky	Owensboro	Paducah-McCracken	Western Kentucky
BEA	REV_NAME	TONS_4	TONS_11	TONS_5	TONS_1	TONS_8	TONS_10	TONS_7	TONS_9	TONS_6	TONS_3	TONS_2
30	Orlando, FL	252	-	252	252	-	-	-	-	-	252	252
34	Tampa, FL	13,081	-	5,389	12,892	8,470	43	8,470	8,309	475	12,892	12,892
35	Tallahassee, FL	-	-	-	-	6,993	5,880	6,993	7,641	4	-	-
43	Chattanooga, TN	890,625	13,537	875,829	861,709	95,162	29,455	109,067	91,144	857,977	891,943	864,019
44	Knoxville, TN	373,814	42,597	369,948	354,997	87,387	49,742	91,909	83,620	366,339	371,393	360,627
48	Charleston, WV	2,816,891	259,059	3,514,252	1,817,508	2,306,396	2,667,465	2,379,797	3,590,700	4,148,239	2,965,242	2,509,239
49	Cincinnati, OH	3,821,839	2,733,057	4,113,076	442,705	1,977,012	-	2,517,851	-	4,570,839	2,994,977	2,155,961
51	Columbus, OH	4,531	-	9,307	4,787	10,220	-	10,450	-	9,532	6,159	5,360
52	Wheeling, WV	310,721	1,113,212	1,228,627	457,985	1,995,708	910,058	2,025,036	1,056,585	1,821,964	495,150	458,762
53	Pittsburgh, PA	603,179	1,470,958	586,549	651,871	458,674	1,547,669	477,677	864,377	819,807	698,516	661,357
55	Cleveland, OH	270,606	249,296	465,790	214,758	607,944	422,925	641,010	422,175	536,740	307,168	216,271
57	Detroit, MI	-	2,311	79	-	89	2,555	89	2,556	79	-	-
59	Green Bay, WI	84	-	84	-	84	-	84	-	84	-	-
64	Chicago, IL	445,143	194,285	268,657	703,918	209,128	270,195	230,543	251,881	127,830	754,813	703,980
69	Evansville, IN	7,056	671,687	-	1,774,559	1,643,393	1,012,508	360,088	1,719,199	-	2,191,500	2,253,103
70	Louisville, KY*	17,209,307	2,785,289	18,493,854	5,326,722	-	2,979,671	-	299	11,635,352	15,697,777	14,065,093
71	Nashville, TN	4,877,569	328,276	7,149,324	3,723,504	4,364,439	402,576	4,380,290	4,256,248	10,314,025	5,060,766	3,902,573
72	Paducah, KY*	-	577,053	899	-	311,818	676,207	325,925	295,861	378,553	-	-
73	Memphis, TN	1,547,888	31,448	1,141,336	1,683,846	188,759	74,208	180,263	154,780	1,176,222	1,940,878	1,713,553
74	Huntsville, AL	314,990	10,320	241,617	232,192	35,024	47,932	41,715	47,371	94,051	305,743	252,972
75	Tupelo, MS	51,810	51,908	41,550	60,292	70,113	18,913	70,157	78,455	28,035	60,346	60,292
76	Greenville, MS	562,612	3,700	531,239	662,801	74,170	9,721	74,238	50,219	563,202	665,315	663,176
77	Jackson, MS	805,684	12,459	667,884	920,377	132,915	57,305	140,347	108,220	709,791	962,060	920,414
78	Birmingham, AL	19,222	3,513	19,100	18,131	11,826	4,719	11,826	15,142	8,265	18,153	18,131
79	Montgomery, AL	275,229	15,054	275,229	263,399	252	15,941	252	886	11,830	275,229	263,399
80	Mobile, AL	338,525	84,656	335,467	227,304	161,375	102,865	180,615	128,443	295,539	304,843	230,986
81	Pensacola, FL	12,822	33	1,524	28,803	1,441	1,162	1,701	1,353	1,702	29,066	28,803
82	Biloxi, MS	422,441	14,351	410,775	463,749	132,988	25,583	134,167	91,664	464,467	466,262	463,749
83	New Orleans, LA	19,979,772	2,069,643	14,040,499	10,662,465	4,072,572	4,344,115	5,679,562	3,117,463	12,388,527	19,388,023	12,962,762
84	Baton Rouge, LA	6,209,039	993,061	4,965,024	4,240,736	1,161,730	1,344,230	1,799,200	875,382	4,861,813	6,519,453	4,563,171
85	Lafayette, LA	673,734	24,123	634,163	764,896	201,024	83,773	198,413	198,659	750,328	766,170	764,896
86	Lake Charles, LA	1,747,250	220,453	1,642,873	1,815,875	379,238	253,134	388,064	281,562	1,684,621	1,945,581	1,834,590
87	Beaumont, TX	468,300	16,233	466,731	497,938	82,099	30,008	82,246	63,740	494,973	498,943	497,938
88	Shreveport, LA	244,125	1,658	76,421	465,098	74,283	25,634	72,528	76,564	128,512	466,241	465,228
89	Monroe, LA	71,266	605	62,290	82,921	20,029	5,040	19,613	14,008	70,534	82,930	82,921
90	Little Rock, AR	122,972	9,098	100,598	69,711	96,468	13,720	144,692	71,542	154,986	128,025	69,752
91	Fort Smith, AR	7,913	46	3,047	15,968	1,927	2,496	3,063	2,525	2,123	17,313	15,972
95	Jonesboro, AR	144,923	38,711	65,431	-	102,885	39,523	104,028	113,523	113,174	211,052	191,693
96	St. Louis, MO	422,568	689,869	296,887	587,475	393,950	380,370	481,676	383,561	254,487	475,717	368,193
97	Springfield, IL	20,623	785	7,013	58,211	610	2,094	1,044	1,762	1,236	58,752	58,231
98	Columbia, MO	4,986	-	-	10,912	-	-	-	-	-	10,912	10,912
99	Kansas City, MO	4,751	-	-	18,120	-	-	-	-	-	18,120	18,120
100	Des Moines, IA	61,508	2,797	17,029	65,797	3,174	2,818	5,575	4,045	15,774	68,204	65,797
101	Peoria, IL	41,717	7,839	19,350	79,870	37,656	51,340	39,407	49,477	4,373	82,280	79,908
102	Davenport, IA	123,864	3,540	64,161	115,390	15,763	4,846	29,983	10,450	46,896	129,791	115,439
104	Madison, WI	30,518	3,060	15,524	28,376	3,354	3,030	8,953	3,244	8,646	34,028	28,413
105	La Crosse, WI	17,827	8,244	11,096	16,028	2,113	458	7,394	688	8,561	21,356	16,028
106	Rochester, MN	20	723	65	20	54	763	54	763	63	20	20
107	Minneapolis, MN	83,578	16,427	29,914	133,518	32,417	33,114	33,100	28,960	29,341	134,249	133,518
124	Tulsa, OK	62,663	1	47,278	39,583	19,602	15,623	32,522	15,647	41,832	57,977	39,982
131	Houston, TX	431,224	149,010	210,466	627,644	176,724	240,768	217,388	201,662	295,919	729,475	627,644
132	Corpus Christi, TX	8,299	7,768	5,553	7,057	1,094	9,979	1,197	4,138	5,665	11,436	7,057
133	McAllen, TX	3,312	3,366	1,288	5,186	3,104	5,505	3,244	3,656	1,426	5,451	5,186

* Out-of-state portion of region

App 1.2a: Existing Port Benefits

Value of Benefit Stream by Year - Undiscounted (\$M)

Water Counterfactual Analysis

Data Year	(A) Traveler Benefits (\$M)		(B) Traveler Benefits (non-\$M)			(C) Shipper/ Logistics Cost (\$)	(D) Business Productivity (\$)	(E) Social/ Environ. (non- \$)	Total Benefits
	Vehicle Operating Costs	Business Time & Reliability Costs	Value of Personal Time & Reliability	Safety Cost	Additional Consumer Surplus				
1998	1,754.40	1,180.70	0	196.5	0	15.3	0	414.6	3,561.50
1999	1,759.80	1,184.30	0	197.1	0	15.3	0	422.7	3,579.20
2000	1,765.10	1,187.90	0	197.7	0	15.4	0	431.8	3,597.80
2001	1,770.50	1,191.50	0	198.3	0	15.4	0	440	3,615.70
2002	1,775.90	1,195.10	0	198.9	0	15.5	0	448.4	3,633.70
2003	1,781.20	1,198.70	0	199.5	0	15.5	0	456.2	3,651.20
2004	1,786.70	1,202.40	0	200.1	0	15.6	0	465	3,669.70
2005	1,792.10	1,206.00	0	200.8	0	15.6	0	473	3,687.40
2006	1,797.50	1,209.70	0	201.4	0	15.6	0	481	3,705.30
2007	1,803.00	1,213.40	0	202	0	15.7	0	490	3,724.10
2008	1,808.50	1,217.00	0	202.6	0	15.7	0	494	3,737.90
2009	1,814.00	1,220.70	0	203.2	0	15.8	0	498.1	3,751.80
2010	1,819.50	1,224.50	0	203.8	0	15.8	0	502.1	3,765.70
2011	1,825.00	1,228.20	0	204.4	0	15.9	0	508.7	3,782.20
2012	1,830.60	1,231.90	0	205.1	0	15.9	0	512.8	3,796.30
2013	1,836.10	1,235.60	0	205.7	0	16	0	516.9	3,810.40
2014	1,841.70	1,239.40	0	206.3	0	16	0	521	3,824.50
2015	1,847.30	1,243.20	0	206.9	0	16.1	0	525.2	3,838.70
2016	1,852.90	1,246.90	0	207.6	0	16.1	0	529.3	3,852.90
2017	1,858.60	1,250.70	0	208.2	0	16.2	0	533.5	3,867.20
Total	36,120.40	24,307.80	0.00	4,046.10	0.00	314.40	0.00	9,664.30	74,453.20

App 1.2b: Existing Impact by Industry

ANNUAL IMPACT OF KY RIVERPORT EFFICIENCY BY INDUSTRY

NAICS	Industry	Business Output \$M	Value Added \$M	Jobs	Labor Income \$m
111-115, 211-213	Agriculture & Extraction	\$345	\$159	2,088	\$92
221	Utilities	\$34	\$14	28.2	\$4
230	Construction	\$47	\$24	424.41	\$21
311-339	Manufacturing	\$688	\$183	1,029	\$101
420	Wholesale Trade	\$70	\$41	138.18	\$18
441-454	Retail Trade	\$30	\$17	316.31	\$11
481-488	Transportation	-\$46	\$0	81.78	\$0
491-493	Postal & Warehousing	\$7	\$4	50.29	\$3
511-519	Media and Information	\$19	\$7	30.55	\$3
521-525, 531-533	Financial Activities	\$115	\$61	339.34	\$17
541,551,561-562	Professional & Business	\$99	\$56	624	\$45
611, 621-624	Education & Health	\$48	\$29	327.12	\$26
711-713, 721-722,811-814	Other Services	\$52	\$28	761	\$22
920	Government	\$8	\$5	20.68	\$2
TOTAL ANNUAL IMPACT IN 2017		\$1,517	\$627	6,259	\$365

App 1.2c: Existing Impact by Occupation

ANNUAL IMPACT OF KY RIVERPORT EFFICIENCY BY OCCUPATION

Occupation Description	Business Output \$M	Value Added \$M	Jobs	Labor Income \$M
Management Occupations	95	41	401	24
Business and Financial Operations Occupations	63	27	226	16
Computer and Mathematical Occupations	27	12	77	7
Architecture and Engineering Occupations	47	16	126	9
Life, Physical, and Social Science Occupations	17	6	54	3
Community and Social Service Occupations	4	2	24	2
Legal Occupations	6	4	30	2
Education, Training, and Library Occupations	5	3	35	2
Arts, Design, Entertainment, Sports, and Media Occupations	10	4	40	3
Healthcare Practitioners and Technical Occupations	29	16	141	12
Healthcare Support Occupations	10	6	71	5
Protective Service Occupations	6	3	32	2
Food Preparation and Serving Related Occupations	29	16	325	9
Building and Grounds Cleaning and Maintenance Occupations	23	11	169	7
Personal Care and Service Occupations	10	6	225	5
Sales and Related Occupations	82	40	405	21
Office and Administrative Support Occupations	180	82	750	47
Farming, Fishing, and Forestry Occupations	59	32	424	24
Construction and Extraction Occupations	139	60	818	34
Installation, Maintenance, and Repair Occupations	115	46	357	22
Production Occupations	381	112	738	61
Transportation and Material Moving Occupations	181.11074	83.58057	791.01	47.43898
Military Specific Occupations	0	0	0	0
TOTAL IMPACT IN 2017	1517.26387	626.67262	6258.05	364.65232

App 1.2d: Existing Impact by Year

Impact of KY Riverport Efficiencies on KY Economy by Year

Data Year	Business Output	Value Added	Jobs	Labor Income
1998	1,432	592	7,063	358
1999	1,437	594	6,899	347
2000	1,441	596	6,723	344
2001	1,445	597	6,619	345
2002	1,450	599	6,498	347
2003	1,454	601	6,387	348
2004	1,459	603	6,269	349
2005	1,463	604	6,171	351
2006	1,467	606	6,088	352
2007	1,472	608	6,035	353
2008	1,476	610	5,991	354
2009	1,481	611	5,963	355
2010	1,485	613	5,951	356
2011	1,490	615	5,953	358
2012	1,494	617	5,972	359
2013	1,499	619	6,004	360
2014	1,504	621	6,042	361
2015	1,508	623	6,100	362
2016	1,513	625	6,173	363
2017	1,517	627	6,258	365
Total Cumulative	29,487	12,180		7,087

App 1.3: Shift-Share by Commodity FAF

Commodity	Total US Market by Commodity (KTONS)					Total KY Market by Commodity (KTONS)					Effects Accounting For Changes in Kentucky Water market				
	1997 NAT	% of Total	2017 NAT	% Total	% Change	1997 KY	% of Total	2017 KY	% Total	% Change	NAT SHARE	INDUSTRY MIX	LOCAL FACTORS	total change	Checksum
15-Coal	69,502	11.09%	108,976	12.29%	56.79%	35,858	41%	28,756	45%	-20%	-4,582	24,947	-27,467	-7,102	-7,102
17-Gasoline	73,693	11.76%	74,551	8.41%	1.16%	15,756	18%	159	0%	-99%	-2,013	2,197	-15,780	-15,597	-15,597
18-Fuel oils	50,303	8.03%	139,954	15.78%	178.22%	4,444	5%	239	0%	-95%	-568	8,488	-12,124	-4,205	-4,205
11-Natural sands	10,583	1.69%	10,861	1.22%	2.63%	2,896	3%	17	0%	-99%	-370	446	-2,955	-2,878	-2,878
31-Nonmetal min. prods.	8,230	1.31%	8,466	0.95%	2.87%	2,981	3%	452	1%	-85%	-381	467	-2,615	-2,529	-2,529
20-Basic chemicals	43,805	6.99%	75,291	8.49%	71.88%	951	1%	317	0%	-67%	-122	805	-1,318	-634	-634
10-Building stone	11	0.00%	4	0.00%	-62.41%	3,088	4%	0	0%	-100%	-395	-1,533	-1,161	-3,088	-3,088
41-Waste/scrap	3,583	0.57%	14,360	1.62%	300.81%	765	1%	2,065	3%	170%	-98	2,398	-1,000	1,300	1,300
03-Other ag prods.	27,172	4.34%	53,792	6.07%	97.97%	1,565	2%	2,291	4%	46%	-200	1,733	-807	726	726
07-Other foodstuffs	4,491	0.72%	5,395	0.61%	20.12%	628	1%	5	0%	-99%	-80	207	-749	-623	-623
04-Animal feed	4,533	0.72%	9,351	1.05%	106.31%	135	0%	1	0%	-99%	-17	161	-277	-134	-134
33-Articles-base metal	208	0.03%	999	0.11%	381.35%	77	0%	103	0%	33%	-10	304	-268	26	26
13-Nonmetallic minerals	15,837	2.53%	19,147	2.16%	20.90%	1,691	2%	1,858	3%	10%	-216	570	-187	166	166
14-Metallic ores	6,656	1.06%	11,003	1.24%	65.32%	115	0%	9	0%	-92%	-15	90	-182	-107	-107
22-Fertilizers	7,911	1.26%	9,152	1.03%	15.69%	102	0%	0	0%	-100%	-13	29	-118	-102	-102
40-Misc. mfg. prods.	18	0.00%	188	0.02%	967.67%	5	0%	0	0%	-90%	-1	49	-53	-5	-5
21-Pharmaceuticals	6	0.00%	283	0.03%	4773.13%	1	0%	0	0%	-82%	0	46	-47	-1	-1
35-Electronics	110	0.02%	388	0.04%	253.93%	7	0%	4	0%	-36%	-1	18	-19	-2	-2
39-Furniture	2	0.00%	404	0.05%	17261.51%	0	0%	0	0%	167%	0	18	-18	0	0
28-Paper articles	193	0.03%	258	0.03%	33.92%	13	0%	0	0%	-98%	-2	6	-17	-12	-12
06-Milled grain prods.	505	0.08%	116	0.01%	-77.01%	55	0%	1	0%	-97%	-7	-36	-11	-54	-54
37-Transport equip.	85	0.01%	259	0.03%	205.29%	2	0%	0	0%	-85%	0	4	-5	-1	-1
26-Wood prods.	2,819	0.45%	624	0.07%	-77.88%	32	0%	3	0%	-92%	-4	-21	-5	-29	-29
27-Newsprint/paper	421	0.07%	1,056	0.12%	150.86%	2	0%	0	0%	-87%	0	3	-4	-2	-2
23-Chemical prods.	884	0.14%	1,636	0.18%	85.09%	4	0%	5	0%	14%	-1	4	-3	1	1
09-Tobacco prods.	20	0.00%	1	0.00%	-96.92%	7	0%	0	0%	-100%	-1	-6	0	-7	-7
01-Live animals/fish	28	0.00%	0	0.00%	-99.76%	2	0%	0	0%	-100%	0	-2	0	-2	-2
25-Logs	3,611	0.58%	1	0.00%	-99.98%	0	0%	0	0%	-100%	0	0	0	0	0
38-Precision instruments	4	0.00%	31	0.00%	765.21%	0	0%	1	0%	0%	0	0	0	1	0
43-Mixed freight	8	0.00%	2,859	0.32%	37751.85%	0	0%	975	2%	0%	0	0	0	975	0
36-Motorized vehicles	25	0.00%	1,046	0.12%	4039.88%	0	0%	6	0%	4615%	0	5	1	6	6
29-Printed prods.	31	0.00%	37	0.00%	19.44%	0	0%	1	0%	184%	0	0	1	1	1
05-Meat/seafood	1,370	0.22%	1,195	0.13%	-12.78%	0	0%	1	0%	183%	0	0	1	1	1
24-Plastics/rubber	127	0.02%	1,436	0.16%	1033.54%	1	0%	8	0%	1415%	0	5	2	7	7
30-Textiles/leather	80	0.01%	406	0.05%	410.31%	4	0%	31	0%	626%	-1	18	9	27	27
34-Machinery	16	0.00%	1,983	0.22%	12378.04%	0	0%	17	0%	841635%	0	0	17	17	17
08-Alcoholic beverages	22	0.00%	517	0.06%	2284.84%	0	0%	104	0%	287968%	0	1	103	104	104
02-Cereal grains	78,564	12.54%	73,465	8.29%	-6.49%	3,550	4%	3,494	5%	-2%	-454	223	175	-56	-56
32-Base metals	2,279	0.36%	12,591	1.42%	452.44%	339	0%	2,433	4%	617%	-43	1,578	559	2,094	2,094
19-Coal-n.e.c.	78,732	12.56%	84,791	9.56%	7.70%	1,168	1%	2,800	4%	140%	-149	239	1,542	1,632	1,632
16-Crude petroleum	81,333	12.98%	98,793	11.14%	21.47%	2	0%	1,831	3%	119502%	0	1	1,829	1,830	1,830
12-Gravel	48,911	7.80%	61,010	6.88%	24.74%	10,522	12%	15,932	25%	51%	-1,345	3,948	2,806	5,409	5,409
TOTALS	626,717	100%	886,676	100%	837	86,768	100%	63,920	100%	12,555	-11,087	47,078	-58,839	-22,848	-22,848

Commodities where
KY is losing
advantage in
waterborne
commerce

Commodities where
KY shows a growing
advantage in
waterborne
commerce

App 1.4: Shift in Composition of Waterway Markets

Shifts in Specialization and Composition of Kentucky Waterway Markets					
Commodity	1997 % of Tons	1997 Cumulative % of Tons	Commodity	2017 % of Tons	2017 Cumulative % of Tons
15-Coal	41%	41%	15-Coal	45%	45%
17-Gasoline	18%	59%	12-Gravel	25%	70%
12-Gravel	12%	72%	02-Cereal grains	5%	75%
18-Fuel oils	5%	77%	19-Coal-n.e.c.	4%	80%
02-Cereal grains	4%	81%	32-Base metals	4%	84%
10-Building stone	4%	84%	03-Other ag prods.	4%	87%
31-Nonmetal min. prods.	3%	88%	41-Waste/scrap	3%	90%
11-Natural sands	3%	91%	13-Nonmetallic minerals	3%	93%
13-Nonmetallic minerals	2%	93%	16-Crude petroleum	3%	96%
03-Other ag prods.	2%	95%	43-Mixed freight	2%	98%
19-Coal-n.e.c.	1%	96%	31-Nonmetal min. prods.	1%	98%
20-Basic chemicals	1%	97%	20-Basic chemicals	0%	99%
41-Waste/scrap	1%	98%	18-Fuel oils	0%	99%
07-Other foodstuffs	1%	99%	17-Gasoline	0%	100%
32-Base metals	0%	99%	08-Alcoholic beverages	0%	100%
04-Animal feed	0%	100%	33-Articles-base metal	0%	100%
14-Metallic ores	0%	100%	30-Textiles/leather	0%	100%
22-Fertilizers	0%	100%	11-Natural sands	0%	100%
33-Articles-base metal	0%	100%	34-Machinery	0%	100%
06-Milled grain prods.	0%	100%	14-Metallic ores	0%	100%
26-Wood prods.	0%	100%	24-Plastics/rubber	0%	100%
28-Paper articles	0%	100%	36-Motorized vehicles	0%	100%
09-Tobacco prods.	0%	100%	07-Other foodstuffs	0%	100%
35-Electronics	0%	100%	23-Chemical prods.	0%	100%
40-Misc. mfg. prods.	0%	100%	35-Electronics	0%	100%
30-Textiles/leather	0%	100%	26-Wood prods.	0%	100%
23-Chemical prods.	0%	100%	06-Milled grain prods.	0%	100%
27-Newsprint/paper	0%	100%	29-Printed prods.	0%	100%
01-Live animals/fish	0%	100%	04-Animal feed	0%	100%
37-Transport equip.	0%	100%	05-Meat/seafood	0%	100%
16-Crude petroleum	0%	100%	38-Precision instruments	0%	100%
21-Pharmaceuticals	0%	100%	40-Misc. mfg. prods.	0%	100%
24-Plastics/rubber	0%	100%	39-Furniture	0%	100%
29-Printed prods.	0%	100%	37-Transport equip.	0%	100%
05-Meat/seafood	0%	100%	27-Newsprint/paper	0%	100%
25-Logs	0%	100%	28-Paper articles	0%	100%
36-Motorized vehicles	0%	100%	21-Pharmaceuticals	0%	100%
39-Furniture	0%	100%	22-Fertilizers	0%	100%
08-Alcoholic beverages	0%	100%	10-Building stone	0%	100%
34-Machinery	0%	100%	09-Tobacco prods.	0%	100%
38-Precision instruments	0%	100%	01-Live animals/fish	0%	100%
43-Mixed freight	0%	100%	25-Logs	0%	100%
TOTALS	100%			100%	