

GREAT LAKES DRY-BULK COMMERCE  
CALENDAR YEARS 1996-2005

YEAR	IRON ORE		COAL		LIMESTONE		SALT		CEMENT		POTASH		GRAIN		TOTAL	
	GROSS TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS	NET TONS
1996	64,396,820	72,124,429	34,763,699	34,589,273	7,902,232	5,088,879	595,194	15,296,904	234,759,426							
1997	64,126,328	71,821,478	39,847,848	39,245,213	7,857,648	5,355,448	767,400	16,648,744	245,672,104							
1998	65,285,812	73,120,100	42,054,337	40,872,939	8,766,829	5,587,004	801,829	15,585,978	252,076,826							
1999	60,089,529	67,300,263	40,957,621	38,324,563	7,016,358	5,639,981	606,014	15,866,884	235,803,212							
2000	62,111,356	69,564,708	41,988,850	38,118,997	6,093,660	5,578,697	688,858	15,099,337	239,246,463							
2001	49,708,498	55,673,519	44,355,316	37,904,799	7,671,321	5,470,198	563,882	14,011,286	215,360,820							
2002	52,604,667	58,917,223	41,912,285	37,537,243	7,287,312	5,341,759	587,296	12,094,537	216,284,324							
2003	49,411,818	55,341,240	39,754,269	34,182,857	8,506,778	5,390,169	579,352	11,624,713	204,793,199							
2004	55,905,903	62,614,611	39,936,860	40,222,052	9,239,658	5,508,635	728,701	11,667,639	169,918,156							
2005	51,953,164	58,187,548	42,706,688	37,725,377	9,255,371	5,048,817	584,672	11,377,508	164,885,981							
<b>TOTAL</b>	<b>575,593,895</b>	<b>644,665,119</b>	<b>408,277,773</b>	<b>378,723,313</b>	<b>79,597,167</b>	<b>54,009,587</b>	<b>6,503,198</b>	<b>139,273,530</b>	<b>2,178,800,511</b>							

Note: 2005 grain total revised on June 14, 2006.

U.S.-FLAG CARGO CARRIAGE  
CALENDAR YEARS 1996-2005  
(net tons)

YEAR	IRON ORE		COAL (By Lake of Loading)				LIMESTONE	CEMENT	SALT	SAND	GRAIN	TOTAL
	DIRECT SHIPMENTS	TRANS-SHIPMENTS	LAKE SUPERIOR		LAKE MICHIGAN							
			LAKE SUPERIOR	LAKE MICHIGAN	LAKE ERIE	LAKE SUPERIOR						
1996	54,663,331	6,741,365	12,926,516	8,129,943	26,137,520	3,734,530	1,149,700	232,010	536,683	114,253,594		
1997	56,727,630	6,643,000	13,763,365	9,480,887	28,755,341	4,159,146	1,002,934	272,218	669,741	121,476,259		
1998	57,545,538	5,977,686	13,584,279	8,472,940	30,358,476	4,251,903	1,312,157	234,300	352,083	122,091,360		
1999	52,160,147	5,523,530	13,353,794	8,279,404	27,310,498	4,417,055	1,309,894	249,238	346,814	112,952,373		
2000	54,586,514	5,746,164	12,769,682	2,068,078	27,288,089	4,144,774	838,017	427,070	351,857	114,144,959		
2001	43,829,971	3,094,732	13,640,260	2,288,791	26,988,622	4,136,897	876,392	625,094	350,719	101,863,479		
2002	45,861,075	2,334,252	13,874,872	2,239,657	26,554,243	3,817,911	587,090	230,950	329,471	101,460,825		
2003	41,343,509	1,672,776	14,238,033	2,771,065	24,239,110	3,851,487	945,355	500,456	312,316	94,746,438		
2004	48,265,018	2,936,493	15,459,399	3,734,928	29,861,141	3,965,401	1,032,109	489,355	367,785	111,335,655		
2005	43,884,572	2,687,547	17,429,479	3,760,477	27,935,513	3,892,822	1,187,777	461,813	403,055	107,660,449		
<b>TOTAL</b>	<b>498,867,305</b>	<b>43,357,545</b>	<b>141,039,679</b>	<b>84,917,930</b>	<b>275,428,553</b>	<b>40,371,926</b>	<b>10,241,425</b>	<b>3,722,504</b>	<b>4,020,524</b>	<b>1,101,985,391</b>		

Through 1995, survey included LCA members and Great Lakes Associates, Inc. (then Kinsman). Expanded to include Andrie, Inc. (cement only), Merce Transportation (cement), Upper Lakes Barge (dry-bulk) and Upper Lakes Towing (dry-bulk) in 1996. Pere Marquette Shipping Company (dry-bulk) added to survey when it began operations in 1999. VanEnkevort Tug & Barge (dry-bulk) added to survey when it initiated service in 2000. Merce Transportation and Upper Lakes Barge ceased operations in 2000. Laken Shipping, L.L.C. (dry-bulk) added to survey upon founding in 2003. Great Lakes Associates exited the business in 2005. The iron ore transshipments were between Lorain, Ohio and Cleveland, Ohio through 2002. Starting in 2003, the transshipments are an intraport movement in Cleveland. The breakdown of coal by Lake of loading began in 2000. Before that, the trade was categorized by type of coal, i.e., eastern or western.