

**2013 TRAFFIC STATEMENT
ST. MARYS FALLS CANAL, SAULT STE. MARIE, MICHIGAN
U.S. ARMY CORPS OF ENGINEERS, DETROIT DISTRICT**

The 2013 commercial navigation season through the United States locks began on March 25, 2013, and ended 297 days later on January 15, 2014. Between March 14-24, 2013, the U.S. Coast Guard cutters BISCAYNE BAY and MACKINAW and the Canadian Coast Guard cutter SAMUEL RISLEY passed through the Poe Lock for icebreaking operations.

The first commercial vessel for the season was the M/V (Motor Vessel) PAUL R. TREGURTHA (U.S.-flag) on March 25, upbound to load coal in Superior, Wisconsin. The last commercial vessel was the tug/barge unit VICTORY/JAMES L. KUBER (U.S.-flag), which passed downbound through the Poe Lock on January 15, 2014, with 25,913 tons of iron ore for Detroit.

Delays are defined as the elapsed time a vessel spends waiting to proceed with a lockage. Seventy-seven vessels were delayed by ice for a total of 47 hours and 5 minutes. Two vessels were delayed by ice on lock or lock equipment for a total of 1 hour and 46 minutes. Lock and hardware malfunctions accounted for six vessels being delayed a total of 5 hours and 6 minutes. Maintaining lock or lock equipment accounted for three vessels being delayed a total of 3 hours and 5 minutes. Three vessels were delayed by interference by other vessels for 1 hour and 2 minutes. One vessel was delayed 4 hours and 9 minutes due to tow accident or collision. Vessels detained by the U.S. Army Corps of Engineers, U.S. Coast Guard, or U.S. Department of Homeland Security accounted for 1 hour and 31 minutes of delays. Three vessels were delayed 3 hours and 23 minutes due to lock staff being occupied with other duties. Six vessels were delayed 4 hours and 15 minutes by tow staff occupied with other duties. Other delays affected three vessels for 1 hour and 37 minutes.

The largest cargo recorded for a single passage during the 2013 season was 67,058 tons of taconite (iron ore) carried by the M/V BURNS HARBOR (U.S.-flag) on September 19. The smallest cargo for a single passage was 30 tons of dredged material carried by the TUG MOHAWK on June 3.

The greatest seasonal cargo total transported by a single vessel was 2,735,027 tons carried by the M/V PAUL R. TREGURTHA.

Cargo flow was greatest during the month of May with 8,523,087 tons passing through the locks. A total of 3,799 cargo carriers passed through the locks during the 2013 season, a decrease of 283 from the 2012 season. An annual total of 70,404,194 tons of freight was recorded. This was 4,803,330 tons below the 2012 total. Total vessel passages decreased from 7,285 in 2012 to 6,910 in 2013. Freight decreased by 6.39 percent and total passages decreased by 5.15 percent.

Comparing the movement of cargo in and out of Lake Superior, 23 commodities experienced decreases from 2012 with iron ore seeing the biggest decrease in tons. Twelve (12) commodities experienced increases in tons. Several other cargos experienced increases or decreases of 100 percent; this was attributed to no cargo movement from the previous year or 2013.

2013 Statistical Annual Report of Lake Carriers' Association

The periods of operation and total passages of all craft for each lock during the 2013 season are as follows:

LOCK	OPENING DAY	CLOSING DAY	DAYS IN OPERATION	TOTAL PASSAGES
MacArthur	April 3, 2013	December 15, 2013	247	3,269
Poe	March 25, 2013	January 15, 2014	297	3,641

The following tabulation shows the number of cargo vessel passages recorded for the past 10 navigation seasons through the American canal:

YEAR	NUMBER OF PASSAGES	YEAR	NUMBER OF PASSAGES
2004	4,189	2009	3,098
2005	4,312	2010	4,422
2006	4,412	2011	4,040
2007	4,730	2012	4,082
2008	4,245	2013	3,799

The following is a comparative monthly statement of freight tonnage moved through the St. Marys Falls Canal during the past two navigation seasons:

MONTH	2012 (NET TONS)	2013 (NET TONS)	INCREASE / DECREASE
March	1,708,600	1,293,864	-414,736
April.....	7,616,760	7,030,749	-586,011
May	8,817,264	8,523,087	-294,177
June	8,176,579	7,891,975	-284,604
July.....	8,245,463	7,853,304	-392,159
August.....	8,018,995	7,578,815	-440,180
September.....	8,205,571	8,303,807	98,236
October	6,644,112	7,751,481	1,107,369
November.....	7,442,821	6,907,335	-535,486
December.....	7,624,928	5,974,914	-1,650,014
January 2012/2013.....	2,706,431	1,294,863	-1,411,568
TOTAL	75,207,524	70,404,194	-4,803,330

**Table of Maximum Records of Freight Tonnage for One Day Passing Through the Canal
By Lock at Sault Ste. Marie, Michigan, for the Season of 2013**

Lock	Day	Tonnage	Cargo Passages	Avg. Lockage Time (Hour/Minute)
MacArthur	5/23/2013	152,604	7	1 hour, 2 minutes
Poe	5/24/2013	458,711	14	1 hour, 0 minutes
All Locks	5/18/2013	531,203	16	59 minutes

**STATISTICAL REPORT OF LAKE COMMERCE PASSING THROUGH
THE ST. MARYS FALLS CANAL AT SAULT STE. MARIE, MICHIGAN
2013 SEASON**

(net tons)

COMMODITY	DIRECTION		TOTAL NET TONS	PREVIOUS 3 SEASONS' AVERAGE
	WESTBOUND	EASTBOUND		
Animal Feed, Prep.....	31,153	594,932	626,085	317,973
Asphalt, Tar and Pitch.....	666	53,824	54,490	52,453
Barley and Rye.....	0	0	0	50,340
Cement and Concrete	310,469	2,303	312,772	295,376
Clay, Refrac. Material.....	44,196	65,293	109,489	106,312
Coal Coke	111,312	55,028	166,340	193,711
Coal.....	1,624,726	12,879,027	14,503,753	14,777,358
Distillate Fuel Oil	31,636	0	31,636	52,967
Dredged Material.....	0	30	30	46,501
Electrical Machinery	3,249	0	3,249	5,289
Fabricated Metal Products	0	0	0	4,058
Flaxseed.....	0	142,017	142,017	159,449
Gasoline.....	37,152	0	37,152	88,474
Grain Mill Products	0	0	0	0
Iron and Steel Bars and Shapes.....	63,421	0	63,421	70,792
Iron and Steel Pipe and Tubes.....	0	0	0	76,677
Iron and Steel Plates and Sheets	44,885	454,222	499,107	311,237
Iron and Steel Primary Forms.....	0	0	0	7,999
Iron and Steel Scrap.....	26,642	82,289	108,931	106,838
Iron Ore	85,597	40,966,723	41,052,320	43,741,590
Limestone.....	4,702,664	58,052	4,760,716	4,483,151
Machinery (Non-electric)	30,382	0	30,382	36,786
Manganese Ore.....	0	0	0	1,827
Manufactured Products (Not elsewhere classified) .	0	118	118	4,227
Oats.....	0	161,638	161,638	183,508
Oilseeds (Not elsewhere classified)	0	892,447	892,447	1,192,579
Paper and Paperboard	0	0	0	0
Petroleum Coke.....	0	23,278	23,278	19,198
Potassic Fertilizer	0	349,596	349,596	325,909
Primary Iron & Steel (Not elsewhere classified)	0	0	0	164
Pulp & Waste Paper.....	0	0	0	5,764
Residual Fuel Oil.....	0	0	0	0
Salt.....	622,839	0	622,839	534,392
Sand & Gravel	0	0	0	3,476
Slag.....	0	390,812	390,812	302,441
Sodium Hydroxide	0	0	0	0
Soybeans	0	0	0	4,278
Vegetables and Produce	0	82,684	82,684	77,069
Vehicles & Parts	0	0	0	271
Waterway Improvement Material.....	0	0	0	233
Wheat.....	39,834	5,339,058	5,378,892	6,221,560
Freight Net Tons	7,810,823	62,593,371	70,404,194	73,862,236
Vessel Passages Number	3,785	3,176	6,910	8,172
Lockages Number	3,007	2,606	5,613	6,424

**COMPARATIVE STATISTICAL STATEMENT OF LAKE COMMERCE
PASSING THROUGH THE ST. MARYS FALLS CANAL AT SAULT STE. MARIE, MICHIGAN
2012 AND 2013 SEASONS**

(net tons)

ITEM	SEASON 2012	SEASON 2013	INCREASE/ DECREASE	INCREASE/ DECREASE
Vessel Passages..... Number	7,285	6,910	-375	-5.15%
Cargo Carriers Number	4,082	3,799	-283	-6.93%
Non-Cargo Carriers..... Number	3,203	3,137	-66	-2.06%
Lockages..... Number	5,964	5,613	-351	-5.89%
Animal Feed	529,576	626,085	96,509	18.22%
Asphalt, Tar and Pitch.....	54,247	54,490	243	0.45%
Barley and Rye	5,459	0	-5,459	-100.00%
Cement and Concrete	312,918	312,772	-146	-0.05%
Clay, Refrac. Material	123,302	109,489	-13,813	-11.20%
Coal Coke.....	225,888	166,340	-59,548	-26.36%
Coal.....	13,407,769	14,503,753	1,095,984	8.17%
Distillate Fuel Oil.....	94,723	31,636	-63,087	-66.60%
Dredged Material.....	0	30	30	100.00%
Electrical Machinery	4,958	3,249	-1,709	-34.47%
Fabricated Metal Products	11,433	0	-11,433	-100.00%
Flaxseed.....	71,025	142,017	70,992	99.95%
Gasoline	96,456	37,152	-59,304	-61.48%
Iron and Steel Bars and Shapes.....	66,462	63,421	-3,041	-4.58%
Iron and Steel Pipes and Tubes	31,771	0	-31,771	-100.00%
Iron and Steel Plates and Sheets	301,945	499,107	197,162	65.30%
Iron and Steel Primary Forms.	84	0	-84	-100.00%
Iron and Steel Scrap.	78,617	108,931	30,314	38.56%
Iron Ore.....	46,676,747	41,052,320	-5,624,427	-12.05%
Limestone.....	4,496,066	4,760,716	264,650	5.89%
Machinery (Non-electric)	40,400	30,382	-10,018	-24.80%
Manufactured Products (Not elsewhere classified)	5,234	118	-5,116	-97.75%
Oats	224,472	161,638	-62,834	-27.99%
Oilseeds (Not elsewhere classified)	1,239,965	892,447	-347,518	-28.03%
Petroleum Coke.....	0	23,278	23,278	100.00%
Potassic Fertilizer	388,601	349,596	-39,005	-10.04%
Primary Iron & Steel (Not elsewhere classified) .	492	0	-492	-100.00%
Pulp & Waste Paper	17,292	0	-17,292	-100.00%
Salt.....	492,555	622,839	130,284	26.45%
Sand and Gravel.....	0	0	0	0.00%
Slag.....	104,074	390,812	286,738	275.51%
Soybeans	11,070	0	-11,070	-100.00%
Vegetable & Produce	22,320	82,684	60,364	270.45%
Vehicles & Parts	112	0	-112	-100.00%
Waterway Improv. Mat.	0	0	0	0.00%
Wheat.....	6,066,011	5,378,892	-687,119	-11.33%
TOTAL FREIGHT	75,207,524	70,404,194	-4,803,330	-6.39%

**STATISTICAL REPORT OF FREIGHT TONNAGE TRANSITS BY LOCK
ST. MARYS FALLS CANAL AT SAULT STE. MARIE, MICHIGAN
2013 SEASON**

(net tons)

MONTH	MacARTHUR	POE	WESTBOUND	EASTBOUND	TOTAL
March.....	0	1,293,864	48,610	1,245,254	1,293,864
April.....	506,685	6,524,064	550,434	6,480,315	7,030,749
May.....	1,491,464	7,031,623	901,479	7,621,608	8,523,087
June.....	1,378,409	6,513,566	1,021,525	6,870,450	7,891,975
July.....	1,639,214	6,214,090	1,027,211	6,826,093	7,853,304
August.....	1,220,713	6,358,102	897,925	6,680,890	7,578,815
September.....	1,694,846	6,608,961	908,682	7,395,125	8,303,807
October.....	1,107,821	6,643,660	1,033,930	6,717,551	7,751,481
November.....	1,355,379	5,551,956	838,902	6,068,433	6,907,335
December.....	563,514	5,411,400	524,529	5,450,385	5,974,914
January 2012.....	0	1,294,863	57,596	1,237,267	1,294,863
TOTAL.....	10,958,045	59,446,149	7,810,823	62,593,371	70,404,194

**STATISTICAL TABLE OF FREIGHT TONNAGE AND PASSAGES BY LOCK AND DIRECTION
PASSING THROUGH THE CANAL AT SAULT STE. MARIE, MICHIGAN
2013 SEASON**

(net tons)

Net Tonnage				Passages		
VESSEL FLAG	MacARTHUR LOCK	POE LOCK	TOTAL NET TONS	MacARTHUR LOCK	POE LOCK	TOTAL PASSAGES
U.S.....	3,840,891	48,469,925	52,310816	1,918	2,424	4,342
Canadian.....	6,581,618	8,844,292	15,425,910	712	819	1,531
Foreign.....	535,536	2,131,932	2,667,468	99	193	292
Government.....	0	0	0	528	205	733
Unknown.....	0	0	0	12	0	12
TOTAL.....	10,958,045	59,446,149	70,404,194	3,269	3,641	6,910

**COMPARATIVE STATEMENT OF DEEPEST MONTHLY DRAFTS
PASSING THROUGH THE CANAL AT SAULT STE. MARIE, MICHIGAN
FOR THE SEASONS OF 2012 AND 2013**

Month	2012 Season			2013 Season			Increase/ Decrease	
	Vessel Name	Draft		Vessel Name	Draft		Feet	Inches
		Feet	Inches		Feet	Inches		
March	BIRCHGLEN (Can.)	26	7	JOHN B. AIRD (Can.)	25	7	-1	0
April	GREAT REPUBLIC (U.S.)	26	9	CSL ASSINIBOINE (Can.)	26	3	0	-6
May	PRESQUE ISLE (U.S.)	26	8	FEDERAL WESER	26	6	0	-2
June	LEE A. TREGURTHA (U.S.)	27	7	BURNS HARBOR (U.S.)	26	9	0	-10
July	ALGOMA QUEBECOIS (Can.)	27	1	STEWART J. CORT (U.S.)	27	1	0	0
August	GREAT REPUBLIC (U.S.)	26	11	JAMES L. OBERSTAR (U.S.)	27	3	0	4
September	MESABI MINER (U.S.)	26	8	PAUL R. TREGURTHA (U.S.)	27	1	0	5
October	MESABI MINER (U.S.)	26	3	STEWART J. CORT (U.S.)	27	0	0	9
November	GREAT REPUBLIC (U.S.)	26	8	MESABI MINER (U.S.)	27	0	0	4
December	PAUL J. MARTIN (Can.)	26	3	STEWART J. CORT (U.S.)	27	0	0	9
January	SPRUCEGLEN (Can.)	25	5	HERBERT C. JACKSON (U.S.)	26	8	1	3

**MAXIMUM ALL-TIME FREIGHT RECORDS
FOR EACH MONTH OF NAVIGATION**

Month	Year	Number of Lockages	Number of Passages	Total Net Tons
January	2004	252	253	3,827,480
February*	1978	101	102	968,280
March	2006	109	122	1,744,715
April	1953	1,990	2,533	12,323,048
May	1953	2,524	3,378	18,071,240
June	1953	2,059	2,812	18,317,886
July	1953	2,938	4,199	18,660,360
August	1953	2,980	4,167	19,106,798
September	1952	2,768	3,455	17,537,072
October	1943	2,520	3,435	16,502,946
November	1952	2,296	2,789	13,604,714
December	1994	640	707	9,974,983

*Federal government and industry were studying the possibility of year-round navigation.