

**2007 TRAFFIC STATEMENT
ST. MARYS FALLS CANAL, SAULT STE. MARIE, MICHIGAN
U.S. ARMY CORPS OF ENGINEERS, DETROIT DISTRICT
LIEUTENANT COLONEL WILLIAM J. LEADY, COMMANDER**

The 2007 commercial navigation season through the United States locks began on March 25 and ended 297 days later on January 15, 2008. On March 13 the U.S. Coast Guard cutters *Biscayne Bay* and *Mackinaw* passed through the MacArthur Lock for icebreaking operations. The first commercial vessel for the season was the *Roger Blough* on March 25, downbound for Gary, Indiana. The last commercial vessel, the *Michipicoten*, passed downbound through the Poe Lock on January 15, 2008.

Delays are defined as the elapsed time a vessel spends waiting to proceed with a lockage. Forty-four vessels were delayed by ice for a total of 17 hours, 54 minutes. No boats were delayed by lock and hardware malfunctions. Delays caused by interference by other vessels totaled 10 hours, 52 minutes. Vessel equipment malfunction accounted for 48 minutes of delays. Maintenance of lock equipment accounted for delays of 2 hours, 57 minutes. Vessels detained by the Corps or Coast Guard accounted for 59 minutes of delays. All other delays amounted to 14 hours, 24 minutes. The St. Marys River was reported being closed by the USCG Vessel Traffic Service for a total of 256 hours, 53 minutes for weather-related issues.

The largest cargo recorded for a single passage in the 2007 season was 65,386 net tons of coal by the *Indiana Harbor* on August 14. The greatest seasonal cargo transported by an individual vessel was 2,935,916 net tons carried by the *Paul R. Tregurtha*. The smallest cargo for a single passage was 7 net tons of residual fuel oil carried by the barge *PML 2501* on May 22.

Cargo flow was greatest during May, with 9,652,542 net tons passing through the locks. A total of 4,730 cargo carriers passed through the locks during the 2007 season, an increase of 318 from the 2006 season. An annual total of 81,683,184 net tons of freight was recorded. This was 636,349 net tons below the 2006 total. Total vessel passages increased from 8,096 in 2006 to 8,507 in 2007. Freight decreased by 0.77 percent and total passages increased by 5.07 percent.

Comparing the movement of cargo in and out of Lake Superior, 21 commodities experienced decreases from 2006 ranging from 6.24 percent for asphalt, tar and pitch to 100 percent for manganese ore. Commodities increasing in volume ranged from iron ore at 1.82 percent to iron and steel scrap at 103.81 percent. The greatest single gain in cargo tonnage was 1,209,398 net tons of wheat, while the most significant decrease was 1,605,742 net tons of coal.

Starting with the 2007 navigation season, in a continuing effort to improve and standardize data collection procedures with the rest of the U.S. Army Corps of Engineers, passenger numbers were collected from all recreational vessels in addition to vessels carrying paying passengers.

Since the 2006 navigation season, all waterway traffic reporting is being input directly into a centralized database (OMNI – Operations and Maintenance of Navigation Information) hosted by the Rock Island District. This required a few changes in how waterway traffic information is recorded. The primary change is counting integrated tug/barge units as two bottoms instead of one as had previously been done.

Starting with the 2004 navigation season, commodity codes were recorded using the more detailed standard codes of the U.S. Army Corps of Engineers Lock Performance Monitoring System. These codes do not match the previously used codes in all cases, with the primary result being the elimination of miscellaneous merchandise and some commodities being broken out into multiple commodities (for example, fuel oil is now broken down into distillate and residual fuel oil).

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The periods of operation and total passages of all craft for each of the three operational locks during the 2007 season are as follows:

LOCK	OPENING DAY	CLOSING DAY	DAYS IN OPERATION	TOTAL PASSAGES
MacArthur	April 15	December 23	252	4,372
Poe	March 25	January 15, 2008	297	4,136
Davis	Used only occasionally.		1	2

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
1998	4,648	2003	4,205
1999	4,595	2004	4,189
2000	4,845	2005	4,312
2001	4,309	2006	4,412
2002	4,543	2007	4,730

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

MONTH	2006 (NET TONS)	2007 (NET TONS)	INCREASE / DECREASE
March.....	1,744,715	1,561,454	-183,261
April.....	8,329,419	8,124,259	-205,160
May	9,194,240	9,652,542	+458,302
June	8,770,563	8,923,890	+153,327
July	9,419,452	9,109,760	-309,692
August.....	9,185,863	9,295,147	+109,284
September.....	8,748,749	8,577,608	-171,141
October	8,619,022	8,253,973	-365,049
November.....	7,921,331	7,508,968	-412,363
December.....	7,830,495	7,529,771	-300,724
January 2007/2008	2,555,684	3,145,812	+590,128
TOTAL	82,319,533	81,683,184	-636,349

**STATISTICAL REPORT OF LAKE COMMERCE PASSING THROUGH
THE ST. MARYS FALLS CANAL AT SAULT STE. MARIE, MICHIGAN
2007 SEASON**

(net tons)

COMMODITY	DIRECTION		TOTAL NET TONS	PREVIOUS 3 SEASONS' AVERAGE
	WESTBOUND	EASTBOUND		
Asphalt, Tar and Pitch.....	0	52,762	52,762	46,354
Barley and Rye.....	0	143,485	143,485	16,003
Cement and Concrete.....	405,184	0	405,184	496,433
Clay, Refrac. Material.....	0	162,247	162,247	174,628
Coal.....	2,095,903	17,712,036	19,807,939	20,558,211
Coal Coke.....	34,385	201,179	235,564	296,677
Corn.....	0	0	0	16,158
Distillate Fuel Oil.....	128,033	22,635	150,668	149,618
Dredged Material.....	0	52,072	52,072	12,453
Electrical Machinery.....	15,919	1,976	17,895	2,724
Flaxseed.....	0	552,681	552,681	451,322
Food Products (Not elsewhere classified).....	0	0	0	7,559
Gasoline.....	71,636	19,546	91,182	86,878
Grain Mill Products.....	0	106,356	106,356	277,289
Iron and Steel Bars and Shapes.....	88,906	12,116	101,022	62,964
Iron and Steel Pipe and Tubes.....	22,310	1,630	23,940	71,457
Iron and Steel Plates and Sheets.....	154,933	307,092	462,025	190,687
Iron and Steel Primary Forms.....	202	73	275	37,138
Iron and Steel Scrap.....	5,143	160,519	165,662	83,200
Iron Ore.....	26,697	43,752,680	43,779,377	43,693,410
Limestone.....	4,078,746	0	4,078,746	4,517,934
Lube Oil and Greases.....	0	0	0	1,213
Lumber.....	0	7,261	7,261	6,486
Machinery (Non-electric).....	32,153	1,798	33,951	14,002
Manganese Ore.....	0	0	0	25,964
Multi-commodities in Containers.....	0	0	0	832
Oats.....	0	221,436	221,436	197,091
Oilseeds (Not elsewhere classified).....	0	900,657	900,657	805,546
Paper and Paperboard.....	0	15,073	15,073	0
Petroleum Coke.....	0	32,161	32,161	606
Phosphatic Fertilizer.....	0	0	0	55,325
Pig Iron.....	8,581	0	8,581	0
Potassic Fertilizer.....	0	576,025	576,025	560,780
Primary Iron & Steel (Not elsewhere classified).....	0	0	0	367
Pulp and Waste Paper.....	0	17,306	17,306	14,993
Residual Fuel Oil.....	19,163	0	19,163	16,817
Salt.....	476,477	0	476,477	643,206
Sand & Gravel.....	30,971	0	30,971	6,066
Slag.....	19,665	600,353	620,018	611,115
Sodium Hydroxide.....	17,978	0	17,978	18,517
Soybeans.....	6,366	103,176	109,542	218,724
Vegetable Oils.....	0	0	0	579
Vegetables and Produce.....	0	373,096	373,096	697,442
Wheat.....	0	7,834,406	7,834,406	6,840,115
Wood Chips.....	0	0	0	2,495
Wood in the Rough.....	0	0	0	1,414
Freight..... Net Tons	7,739,351	73,943,833	81,683,184	81,988,794
Vessel Passages *..... Number	4,566	3,941	8,507	7,961
Lockages..... Number	3,752	3,251	7,003	6,567
Passengers..... Number	63,081	29,567	92,648	91,667

**COMPARATIVE STATISTICAL STATEMENT OF LAKE COMMERCE
PASSING THROUGH THE ST. MARYS FALLS CANAL AT SAULT STE. MARIE, MICHIGAN
2006 AND 2007 SEASONS**

(net tons)

ITEM	SEASON 2006	SEASON 2007	INCREASE/ DECREASE	INCREASE/ DECREASE
Vessel Passages.....Number	8,096	8,507	+411	+5.07%
Cargo CarriersNumber	4,412	4,730	+318	+7.21%
Non-Cargo Carriers.....Number	3,684	3,777	+93	+2.52%
Lockages.....Number	6,687	7,003	+316	+4.73%
Asphalt, Tar and Pitch.....	56,272	52,762	-3,510	-6.24%
Barley and Rye	0	143,485	+143,485	+100.00%
Cement and Concrete.....	500,590	405,184	-95,406	-19.06%
Clay, Refrac. Material	195,809	162,247	-33,562	-17.14%
Coal.....	21,413,681	19,807,939	-1,605,742	-7.50%
Coal Coke.....	506,688	235,564	-271,124	-53.51%
Corn	15,903	0	-15,903	-100.00%
Distillate Fuel Oil.....	174,456	150,668	-23,788	-13.64%
Dredged Material.....	37,360	52,072	+14,712	+39.38%
Electrical Machinery.....	6,865	17,895	11,030	+60.67%
Flaxseed.....	502,148	552,681	+50,533	+10.06%
Gasoline	77,538	91,182	+13,644	+17.60%
Grain Mill Products	237,675	106,356	-131,319	-55.25%
Iron and Steel Bars and Shapes.....	117,022	101,022	-16,000	-13.67%
Iron and Steel Pipes and Tubes	74,657	23,940	-50,717	-67.93%
Iron and Steel Plates and Sheets	307,777	462,025	+154,248	+50.12%
Iron and Steel Primary Forms	18,485	275	-18,210	-98.51%
Iron and Steel Scrap.	81,284	165,662	84,378	+103.81%
Iron Ore	42,998,172	43,779,377	781,205	+1.82%
Limestone.....	4,444,572	4,078,746	-365,826	-8.23%
Lumber.....	0	7,261	7,261	+100.00%
Machinery (Non-electric).....	16,155	33,951	17,796	+110.16%
Manganese Ore	28,613	0	-28,613	-100.00%
Multi-Commodities in Containers	2,496	0	-2,496	-100.00%
Oats	259,351	221,436	-37,915	-14.62%
Oilseeds (Not elsewhere classified).....	960,705	900,657	-60,048	-6.25%
Paper & Paperboard	0	15,073	15,073	+100.00%
Petroleum Coke.....	0	32,161	32,161	+100.00%
Pig Iron.....	0	8,851	8,851	+100.00%
Potassic Fertilizer	511,143	567,025	55,882	+10.93%
Primary Iron & Steel (Not elsewhere classified).	1,102	0	-1,102	-100.00%
Pulp and Waste Paper	0	17,306	17,306	+100.00%
Residual Fuel Oil	15,481	19,163	3,682	+23.78%
Salt.....	621,798	476,477	-145,321	-23.37%
Sand & Gravel	0	30,971	30,971	+100.00%
Slag.....	680,637	620,018	-60,619	-8.91%
Sodium Hydroxide	14,437	17,978	3,541	+24.53%
Soybeans	182,369	109,542	-72,827	-39.93%
Vegetable & Produce.....	631,284	373,096	-258,188	-40.90%
Wheat.....	6,625,008	7,834,406	1,209,398	+18.26%
Wood in the Rough	2,000	0	-2,000	-100.00%
TOTAL FREIGHT	82,319,533	81,683,184	-645,079	-0.78%

The St. Marys Fall Canal was opened on March 25, 2007, and closed on January 15, 2008, a season of 297 days.

**STATISTICAL REPORT OF FREIGHT TONNAGE TRANSITS BY LOCK
ST. MARYS FALLS CANAL AT SAULT STE. MARIE, MICHIGAN
2007 SEASON**

(net tons)

MONTH	MacARTHUR	POE	WESTBOUND	EASTBOUND	TOTAL
March.....	0	1,561,454	34,416	1,527,038	1,561,454
April	615,914	7,508,345	680,748	7,443,511	8,124,259
May	2,572,352	7,080,190	1,040,827	8,611,715	9,652,542
June.....	2,182,070	6,741,820	1,041,508	7,882,382	8,923,890
July	2,351,329	6,758,431	950,009	8,159,751	9,109,760
August	2,337,773	6,957,374	997,321	8,297,826	9,295,147
September.....	2,274,685	6,302,923	903,537	7,674,071	8,577,608
October.....	1,988,838	6,265,135	879,790	7,374,183	8,253,973
November.....	1,525,341	5,983,627	677,428	6,831,540	7,508,968
December.....	1,714,750	5,815,021	473,077	7,056,694	7,529,771
January 2008.....	283,099	2,862,713	60,690	3,085,122	3,145,812
TOTAL	17,846,151	63,837,033	7,739,351	73,943,833	81,683,184

**STATISTICAL TABLE OF FREIGHT TONNAGE AND PASSAGES Y LOCK AND DIRECTION
PASSING THROUGH THE CANAL AT SAULT STE. MARIE, MICHGIAN
2007 SEASON**

(net tons)

VESSEL FLAG	MacARTHUR LOCK	POE LOCK	TOTAL NET TONS	MacARTHUR LOCK	POE LOCK	TOTAL PASSAGES
U.S.....	5,703,252	53,392,621	59,095,873	2,083	2,845	4,928
Canadian	10,422,377	7,902,642	18,325,019	1,410	828	2,238
Foreign	1,720,522	2,541,770	4,262,292	274	221	495
Government	0	0	0	604	240	846
All Other	0	0	0	0	0	0
TOTAL.....	17,846,151	63,837,033	81,683,184	4,372	4,134	8,507*

Includes two passages thru Davis Lock.

This report is subject to revision.

Source: U.S. Army Corps of Engineers, Detroit District.