

**2005 TRAFFIC STATEMENT
ST. MARYS FALLS CANAL, SAULT STE., MICHIGAN
U.S. ARMY CORPS OF ENGINEERS, DETROIT DISTRICT
LIEUTENANT COLONEL DONALD P. LAUZON, COMMANDER**

The 2005 commercial navigation season through the United States locks began on March 25 and ended 297 days later on January 16, 2006. On March 18, 2005, the Canadian Coast Guard icebreaker *Samuel Risley* passed upbound through the Poe Lock. The first commercial vessel for the season was the *M/V Indiana Harbor* (American Steamship Company) on March 25, upbound for Superior, Wisconsin. The last commercial vessel, the *M/V Mesabi Miner* (The Interlake Steamship Company) passed through the Poe Lock on January 15, 2006, downbound for Nanticoke, Ontario. The two millionth vessel passage recorded through the St. Marys Falls Canal since its opening in 1855 was the *M/V Canadian Transport* on June 9, 2005.

Delays are defined as the elapsed time a vessel spends waiting to proceed with a lockage. Twenty-one vessels were reported as being delayed by ice for a total of 13 hours, 41 minutes. Lock hardware malfunctions accounted for 10 hours, 12 minutes. Lock maintenance and testing totaled 4 hours, 19 minutes. Delays caused by interference from other vessels totaled 1 hour, 50 minutes. Delays resulting from collisions or accidents totaled 20 minutes. Railroad bridge interference resulted in delays totaling 18 minutes. All other delays amounted to 4 hours, 56 minutes. The St. Marys River was reported as being closed by the United States Coast Guard for a total of 74 hours, 30 minutes.

The largest cargo recorded for a single passage in the 2005 season was 67,700 net tons of iron ore, carried by the *M/V Burns Harbor* (American Steamship Company) on August 15. The greatest seasonal cargo transported by an individual vessel was 3,142,358 net tons, carried by the *M/V Oglebay Norton* (Oglebay Norton Marine Services Company).

Cargo flow was greatest during July, with 9,590,587 net tons passing through the locks. A total of 4,312 cargo carriers passed through the locks during the 2005 season, an increase of 123 from the 2004 season. An annual total of 81,882,951 net tons of freight was recorded. This total was 91,099 net tons above the 2004 total. Total vessel passages increased from 7,680 in 2004 to 7,778 in 2005. Freight increased by 0.11 percent and total passages increased by 1.28 percent.

Comparing the movement of cargo in and out of Lake Superior, 22 commodities increased in volume, ranging from 5.73 percent (Iron & Steel Bars & Shapes) to 643.12 percent (Machinery [Not Elec.]). Nineteen commodities experienced decreases from 2004 volumes ranging from -0.60 percent (salt) to -100 percent (corn). The greatest single gain in cargo tonnage was 2,768,526 net tons of coal, while the most significant decrease was 2,460,771 net tons of iron ore.

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.

2005 Statistical Annual Report of Lake Carriers' Association ©

The periods of operation and total passages of all craft for each of the three operational locks during the 2005 season are as follows:

LOCK	OPENING DAY	CLOSING DAY	DAYS IN OPERATION	TOTAL PASSAGES
MacArthur	April 3	December 25	266	4,033
Poe	March 25	January 16, 2006	297	3,792
Davis	Used only occasionally.		3	13

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
1996	4,439	2001	4,309
1997	4,836	2002	4,543
1998	4,648	2003	4,205
1999	4,595	2004	4,189
2000	4,845	2005	4,312

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

MONTH	2004 (NET TONS)	2005 (NET TONS)	INCREASE / DECREASE
March	1,557,276	1,365,786	-191,490
April	7,797,360	8,275,679	+478,319
May	9,061,400	9,003,783	-57,617
June	8,719,005	8,784,119	+65,114
July.....	8,907,241	9,590,587	+683,346
August.....	9,646,008	8,894,585	-751,423
September	8,738,546	8,910,511	+171,965
October	8,744,047	8,398,822	-345,225
November	8,204,561	7,147,597	-1,056,964
December	7,294,901	8,050,166	+755,265
January 2005/2006	3,121,507	3,461,316	+339,809
TOTAL	81,791,852	81,882,951	+91,099

**STATISTICAL REPORT OF LAKE COMMERCE PASSING THROUGH
THE ST. MARYS FALLS CANAL AT SAULT STE. MARIE, MICHIGAN
2005 SEASON
(net tons)**

COMMODITY	DIRECTION		TOTAL NET TONS	PREVIOUS 3 SEASONS' AVERAGE
	WESTBOUND	EASTBOUND		
Asphalt, Tar and Pitch.....	0	46,051	46,051	N/A
Barley and Rye.....	0	41,438	41,438	72,072
Cement and Concrete.....	518,464	506	518,970	473,430
Clay, Refrac. Material.....	0	135,465	135,465	N/A
Coal.....	2,844,571	18,670,168	21,514,739	19,057,522
Coal Coke.....	33,955	231,240	265,195	N/A
Corn.....	0	0	0	36,524
Distillate Fuel Oil.....	162,661	10,719	173,380	N/A
Electrical Machinery.....	1,306	0	1,306	N/A
Flaxseed.....	0	415,519	415,519	584,361
Food Products (Not elsewhere classified).....	0	0	0	N/A
Gasoline.....	74,599	6,039	80,638	100,310
Grain Mill Products.....	0	288,253	288,253	442,477
Iron and Steel Bars and Shapes.....	36,936	0	36,936	N/A
Iron and Steel Pipe and Tubes.....	104,868	0	104,868	N/A
Iron and Steel Plates and Sheets.....	40,794	110,151	150,945	N/A
Iron and Steel Primary Forms.....	63,202	5,860	69,062	N/A
Iron and Steel Scrap.....	34,247	23,172	57,419	119,332
Iron Ore.....	0	42,810,643	42,810,643	42,775,046
Limestone.....	4,077,560	0	4,077,560	N/A
Lube Oil and Greases.....	0	0	0	N/A
Lumber.....	7,984	0	7,984	N/A
Machinery (Non-electric).....	22,784	0	22,784	N/A
Manganese Ore.....	20,936	0	20,936	N/A
Oats.....	0	174,018	174,018	88,119
Oilseeds (Not elsewhere classified).....	0	856,391	856,391	N/A
Petroleum Coke.....	1,819	0	1,819	N/A
Phosphatic Fertilizer.....	15,531	109,570	125,101	N/A
Potassic Fertilizer.....	0	477,655	477,655	620,444
Pulp and Waste Paper.....	3,723	23,312	27,035	N/A
Residual Fuel Oil.....	12,081	0	12,081	N/A
Salt.....	656,021	0	656,021	487,474
Sand & Gravel.....	18,197	0	18,197	N/A
Slag.....	21,966	577,774	599,740	N/A
Sodium Hydroxide.....	21,202	0	21,202	N/A
Soybeans.....	0	189,231	189,231	715,459
Vegetable Products.....	9,304	949,704	959,008	N/A
Vegetable Oils.....	0	0	0	N/A
Wheat.....	0	6,922,497	6,922,497	7,137,068
Wood Chips.....	622	0	622	N/A
Wood in the Rough.....	0	2,242	2,242	N/A
Freight.....Net Tons	8,805,333	73,077,618	81,882,951	79,778,305
Vessel Passages *.....Number	4,416	3,362	7,778	8,041
Lockages.....Number	3,848	3,074	6,922	7,151
Passengers.....Number	71,746	21,513	93,259	100,523

* Includes four government vessels prior to March 25, 2005.

**COMPARATIVE STATISTICAL STATEMENT OF LAKE COMMERCE
PASSING THROUGH THE ST. MARYS FALLS CANAL AT SAULT STE. MARIE, MICHIGAN
2004 AND 2005 SEASONS
(net tons)**

ITEM	SEASON 2004	SEASON 2005	INCREASE/ DECREASE	INCREASE/ DECREASE
Vessel Passages.....Number	7,680	7,778	+98	+1.28%
Cargo Carriers.....Number	4,189	4,312	+123	+2.94%
Non-Cargo Carriers.....Number	3,491	3,466	-25	-0.72%
Lockages.....Number	6,534	6,616	+82	+1.25%
Total Passengers.....Number	92,734	93,259	+525	+0.57%
Asphalt, Tar and Pitch	36,739	46,051	+9,312	+25.35%
Barley and Rye.....	6,572	41,438	+34,866	+530.52%
Cement and Concrete.....	469,739	518,970	+49,231	+10.48%
Clay, Refrac. Material	192,611	135,465	-57,146	-29.67%
Coal.....	18,746,213	21,514,739	+2,768,526	+14.77%
Coal Coke	118,148	265,195	+147,047	+124.46%
Corn	32,570	0	-32,570	-100.00%
Distillate Fuel Oil.....	102,188	173,380	+71,192	+69.67%
Electrical Machinery.....	0	1,306	+1,306	+100.00%
Flaxseed	436,299	415,519	-20,780	-4.76%
Food Products (Not elsewhere classified)	22,676	0	-22,676	-100.00%
Gasoline.....	117,827	80,638	-37,189	-31.56%
Grain Mill Products	305,938	288,253	-17,685	-5.78%
Iron and Steel Bars and Shapes.....	34,933	36,936	+2,003	+5.73%
Iron and Steel Pipes and Tubes	34,847	104,868	+70,021	+200.94%
Iron and Steel Plates and Sheets	113,340	150,945	+37,605	+33.18%
Iron and Steel Primary Forms.....	23,867	69,062	+45,195	+189.36%
Iron and Steel Scrap.....	110,698	57,419	-53,279	-48.13%
Iron Ore.....	45,271,414	42,810,643	-2,460,771	-5.44%
Limestone	5,035,085	4,077,560	-957,525	-19.02%
Lube Oil and Greases.....	3,638	0	-3,638	-100.00%
Lumber.....	11,474	7,984	-3,490	-30.42%
Machinery (Non-electric).....	3,066	22,784	+19,718	+643.12%
Manganese Ore	28,343	20,936	-7,407	-26.13%
Oats	157,905	174,018	+16,113	+10.20%
Oilseeds (Not elsewhere classified).....	599,543	856,391	+256,848	+42.84%
Petroleum Coke.....	0	1,819	+1,819	+100.00%
Phosphatic Fertilizer	40,875	125,101	+84,226	+206.06%
Potassic Fertilizer	693,542	477,655	-215,887	-31.13%
Pulp and Waste Paper.....	17,945	27,035	+9,090	+50.65%
Residual Fuel Oil.....	22,889	12,081	-10,808	-47.22%
Salt.....	659,999	656,021	-3,978	-0.60%
Sand & Gravel.....	0	18,197	+18,197	+100.00%
Slag	552,969	599,740	+46,771	+8.46%
Sodium Hydroxide.....	19,913	21,202	+1,289	+6.47%
Soybeans	284,572	189,231	-95,341	-33.50%
Vegetable Products	502,034	959,008	+456,974	+91.02%
Vegetable Oils.....	1,738	0	-1,738	-100.00%
Wheat	6,972,840	6,922,497	-50,343	-0.72%
Wood Chips	6,863	622	-6,241	-90.94%
Wood in the Rough.....	0	2,242	+2,242	+100.00%
TOTAL FREIGHT.....	81,791,852	81,882,951	+91,099	+0.11%

The St. Marys Fall Canal was opened on March 25, 2005, and closed on January 16, 2006, a season of 297 days.

**STATISTICAL REPORT OF FREIGHT TONNAGE TRANSITS BY LOCK
ST. MARYS FALLS CANAL AT SAULT STE. MARIE, MICHIGAN
2005 SEASON
(net tons)**

MONTH	MacARTHUR	POE	DAVIS	WESTBOUND	EASTBOUND	TOTAL
March	0	1,365,786	0	56,001	1,309,785	1,365,786
April	1,420,675	6,855,004	0	953,619	7,322,060	8,275,679
May.....	2,110,794	6,892,989	0	872,731	8,131,052	9,003,783
June.....	2,025,308	6,758,811	0	1,104,868	7,679,251	8,784,119
July.....	2,302,162	7,288,425	0	1,085,210	8,505,377	9,590,587
August.....	2,240,059	6,654,526	0	1,120,051	7,774,534	8,894,585
September.....	1,864,561	7,045,950	0	1,091,504	7,819,007	8,910,511
October.....	2,048,716	6,350,106	0	926,579	7,472,243	8,398,822
November.....	1,745,107	5,398,370	4,120	812,512	6,335,085	7,147,597
December.....	1,513,241	6,536,925	0	569,131	7,481,035	8,050,166
January 2006.....	0	3,461,316	0	213,127	3,248,189	3,461,316
TOTAL	17,270,623	64,608,208	4,120	8,805,333	73,077,618	81,882,951

**STATISTICAL TABLE OF FREIGHT TONNAGE AND PASSAGES Y LOCK AND DIRECTION
PASSING THROUGH THE CANAL AT SAULT STE. MARIE, MICHGIAN
2005 SEASON
(net tons)**

VESSEL FLAG	FREIGHT TONNAGE				PASSAGES			
	MacARTHUR LOCK	POE LOCK	DAVIS LOCK	TOTAL NET TONS	MacARTHUR LOCK	POE LOCK	DAVIS LOCK	TOTAL PASSAGES
U.S.....	5,272,672	55,913,075	0	61,185,747	1,915	2,620	2	4,537
Canadian	9,841,109	6,627,548	4,120	16,611,399	1,282	712	3	1,997
Foreign	2,156,842	2,067,585	0	3,957,588	297	185	0	482
Government.....	0	0	0	0	539	215	8	762
All Other.....	0	0	0	0	0	0	0	0
TOTAL.....	17,270,623	64,608,208	4,120	81,882,951	4,033	3,732	13	7,778

*This report is subject to revision.
Source: U.S. Army Corps of Engineers, Detroit District.*