

The
St. Lawrence
Seaway



2003
Traffic
Report

THE ST. LAWRENCE SEAWAY TRAFFIC REPORT 2003 NAVIGATION SEASON

PREPARED BY
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AND THE
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www.greatlakes-seaway.com under heading "DOCUMENTS"

EDITORIAL NOTES

The Traffic Report for The St. Lawrence Seaway Management Corporation is an annual publication prepared jointly by The St. Lawrence Seaway Management Corporation and the Saint Lawrence Seaway Development Corporation. Prior to 1983, the last jointly prepared Traffic Report was published in 1976. During the interim years, separate reports were published by the two entities.

This report covers the navigation year as reported in Table S3, page 7. The calendar year or the fiscal year is not considered.

As of 1999, the format of this report has been modified; some of the tables published in prior Traffic Reports have been removed. However, the primary contents of this report are still divided into four parts:

Part I - Table summaries of the 2003 St. Lawrence Seaway traffic activities.

Part II - Table summaries of cargo and vessel movements through the St. Lawrence Seaway. These tables represent total Seaway traffic, eliminating duplication of vessel transits and cargo quantities moved through more than one traffic sector.

Part III - Table summaries of cargo and vessel movements through the Montreal - Lake Ontario Section of the St. Lawrence Seaway.

Part IV - Table summaries of cargo and vessel movements through the Welland Canal Section of the St. Lawrence Seaway.

Starting with the 1993 report, historical tables cover the latest 20 years. Anyone needing historical tables going back to 1959 can request the "Historical Tables" brochure from either office.

As in past years, transits and gross registered tonnage for non-toll traffic are not included in this report.

Passenger vessels are considered to be cargo vessels, and for transit and gross registered tonnage purposes, are included amongst the loaded or ballast transits of the cargo vessel category.

Prior to 1999, each tug and barge combination was considered to be one unit and / or one transit. From that period onward, each vessel is considered to be a separate transit.

Users of this report should note that all cargo and transit figures are based on the transit of at least one lock of the section of the Seaway for which statistics are given.

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PART I

ST. LAWRENCE SEAWAY TOLL TRAFFIC

DEFINITIONS

AND

2003 TRAFFIC SUMMARIES

DEFINITIONS

In this report, cargo quantities are recorded in metric tonnes. If required, short ton equivalencies may be calculated by multiplying the metric quantities using the 1.1023 conversion factor.

For the interpretation of the tabulations contained in this report, the following definitions should be noted:

- a) **Bulk Cargo** *The tonnes of bulk cargo assessed at the Bulk rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls*
- b) **Cargo Tonnes** *The tonnes of cargo carried by a vessel on each or any transit.*
- c) **Coal Cargo** *The tonnes of cargo assessed at the Coal rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls. Previous to 1999, coal was listed under Bulk.*
- d) **Commodity** *The classification of commodities is based on that prescribed by the Canadian Transport Commission and the Interstate Commerce Commission of the United States.*
- e) **Container Cargo** *The tonnes of cargo assessed at the Containers rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.*
- f) **Destination** *The country in which the cargo was unloaded and/or the transit terminated.*
- g) **General Cargo** *The tonnes of cargo assessed at the General rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.*
- h) **Government Aid Cargo** *The tonnes of cargo assessed at the Government Aid rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.*
- i) **Grain Cargo** *The tonnes of cargo assessed at the Grains rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.*
- j) **Gross Registered Tonnage** *The gross registered tonnage of a vessel according to the Lloyd's Register of Ships designation.*
- k) **Mixed Cargo** *Indicates that a vessel carried a combination of Bulk, Coal, Grain, Government Aid, Containers, General or Steel Slab cargoes.*

- l) **Origin** *The country in which the cargo was loaded and/or the transit originated.*
- m) **Passenger** *Prior to 2003, in Table S1, the Gross Registered Tonnage for the Passenger Vessels was included in the Non-Cargo Vessels.*
- n) **Steel Slab Cargo** *The tonnes of cargo assessed at the Steel Slab rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.*
- o) **Transit** *A partial or complete upbound or downbound passage of a ship through one or more locks of a Seaway Canal.*
- p) **Tug and Barge Combination** *Prior to 1999, the assessment of tolls required tugs and barges in common transits be considered as one unit. From 1999 onwards, the tug and the barge are each considered to be a separate transit, and the number of transits shown under "Barge" are strictly barge transits. Tug transits are now included in the non-cargo category.*

It should be noted, in any analysis, that there is not necessarily a relationship between a specific "Commodity" classification and a "Tariff of Tolls" classification. Due to the method of packaging, handling, special refinements or other provisions, an otherwise identical commodity item may be classified in any of the Bulk, Coal, Grain, Government Aid, Containers, General or Steel Slab Tariff of Tolls categories.

TRAFFIC SUMMARY 2003

TABLE S1

TRAFFIC AND REVENUE	ST. LAWRENCE SEAWAY			MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
TRAFFIC	Tonnes and Transits	% of Total	Variance % 2002	Tonnes and Transits	% of Total	Variance % 2002	Tonnes and Transits	% of Total	Variance % 2002
Cargo Tonnes by Toll Classification:									
Bulk	24,436,923	59.8	8.1	16,927,793	58.6	8.5	16,635,881	52.2	11.2
Coal	4,196,191	10.3	2.0	214,728	0.7	-36.2	4,196,191	13.2	2.0
Grains	9,645,630	23.6	-7.8	9,188,854	31.8	-6.8	9,342,431	29.3	-9.5
Government Aid	7,826	0.0	-69.7	7,826	0.0	-69.7	7,826	0.0	-69.7
Containers	15,208	0.0	3.3	15,208	0.1	3.3	791	0.0	-6.7
General Cargo	2,118,663	5.2	-29.8	2,118,663	7.3	-29.8	1,682,564	5.3	-21.2
Steel Slab	427,368	1.0	-62.4	427,368	1.5	-62.4	4,782	0.0	-99.1
Total Cargo Tonnes	40,847,809	100.0	-1.3	28,900,440	100.0	-3.7	31,870,466	100.0	-0.7
Gross Registered Tonnage:									
Cargo Vessels	40,616,484	99	-4.2	30,018,648	99.4	-3.7	34,726,927	99.2	-3.4
Non-Cargo Vessels	272,222	0.7	-0.7	122,276	0.4	8.1	223,058	0.6	3.9
Passengers	93,220	0.2	-22.7	57,574	0.2	-29.7	54,149	0.2	-37.5
Total Gross Registered Tonnage	40,981,926	100.0	-4.3	30,198,498	100.0	-3.8	35,004,134	100.0	-3.4
Vessel Transits:									
Loaded Cargo Vessels	2,383	61.3	-2.1	1,735	67.3	-4.6	1,761	58.2	-2.5
Ballast Cargo Vessels	847	21.8	0.7	579	22.5	9.0	761	25.1	-1.8
Non-Cargo Vessels	656	16.9	6.3	265	10.3	0.8	505	16.7	16.4
Total Vessel Transits	3,886	100.0	-0.1	2,579	100.0	-1.3	3,027	100.0	0.4
Additional Information:	Number			Number			Number		
Passengers (Number)	5,352	-	-29.9	4,108	-	-26.8	1,466	-	-35.6
Pleasure Craft Lockages	16,417	-	0.3	10,433	-	4.5	5,984	-	-6.1
REVENUE (1)	Revenue	% of Total	Variance % 2002	Revenue	% of Total	Variance % 2002	Revenue	% of Total	Variance % 2002
Traffic Revenue (\$) by Toll Classification	\$			\$			\$		
Bulk	25,002,776	40.2	11.5	15,086,239	52.6	10.7	9,916,538	29.5	12.8
Coal	2,678,480	4.3	0.9	99,920	0.3	-36.6	2,578,559	7.7	3.2
Grains	10,869,074	17.5	-6.4	5,235,809	18.3	-5.5	5,633,265	16.8	-7.1
Government Aid	0	-	-	0	-	-	0	-	-
Containers	8,943	0.0	0.7	8,457	0.0	1.1	486	0.0	-5.6
General Cargo	6,367,354	10.2	-26.7	4,712,928	16.4	-28.7	1,654,426	4.9	-20.2
Steel Slab	867,718	1.4	-67.4	864,352	3.0	-62.0	3,367	0.0	-99.1
Gross Registered Tonnage	7,665,745	12.3	-1.2	2,648,886	9.2	-2.1	5,016,859	14.9	-0.8
Passengers	35,844	0.1	-27.3	21,904	0.1	-22.4	13,940	0.0	-33.9
Lockage Fees	8,761,262	14.1	-0.5	0	-	-	8,761,262	26.1	-0.5
Total Tolls - Current Shipping Season	62,257,197	100.0	-3.7	28,678,495	100.0	-7.3	33,578,702	100.0	-0.4

(1) Traffic revenue from commodities and vessels which transited the Seaway during the current shipping season.

**COMMODITY SUMMARY
2003**

TABLE S2

SUMMARY OF MAJOR COMMODITIES	ST. LAWRENCE SEAWAY			MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
	Tonnes	% of Total	Variance % 2002	Tonnes	% of Total	Variance % 2002	Tonnes	% of Total	Variance % 2002
Agricultural Products:									
Wheat	6,239,168	15.3	2.5	6,204,491	21.5	5.9	5,992,259	18.8	-1.2
Corn	891,216	2.2	-20.2	565,396	2.0	-31.9	891,216	2.8	-17.9
Rye	0	-	-	0	-	-	0	-	-
Oats	78,058	0.2	-29.0	78,058	0.3	-29.0	78,058	0.2	-23.1
Barley	48,828	0.1	-65.2	48,828	0.2	-65.2	48,828	0.2	-64.8
Soybeans	1,255,477	3.1	-34.3	1,159,198	4.0	-36.6	1,203,611	3.8	-34.8
Flaxseed	503,648	1.2	-16.6	503,648	1.7	-16.6	503,648	1.6	-16.6
Canola (Rapeseed)	278,592	0.7	32.5	278,592	1.0	32.5	278,592	0.9	33.7
Other Grains	357,639	0.9	17.0	357,639	1.2	17.0	353,215	1.1	18.4
<i>Total Grains</i>	9,652,626	23.6	-8.0	9,195,850	31.8	-7.0	9,349,427	29.3	-9.7
Other Agricultural Products	5,588	0.0	100.0	5,588	0.0	100.0	0	-	-
Total Agricultural Products	9,658,214	23.6	-7.9	9,201,438	31.8	-7.0	9,349,427	29.3	-9.7
Mine Products:									
Iron Ore	10,649,286	26.1	10.5	9,259,086	32.0	13.4	6,560,453	20.6	30.1
Coal	4,196,191	10.3	2.0	214,728	0.7	-36.2	4,196,191	13.2	2.0
Coke	1,077,883	2.6	-12.2	680,875	2.4	-19.7	1,004,157	3.2	-15.9
Stone, Ground, Crushed, or Rough	799,893	2.0	8.2	272,054	0.9	-15.9	799,893	2.5	8.2
Salt	2,254,086	5.5	17.3	766,237	2.7	-10.3	2,070,106	6.5	9.6
Other Mine Products	1,964,260	4.8	17.5	1,606,336	5.6	14.3	1,006,322	3.2	8.5
Total Mine Products	20,941,599	51.3	8.4	12,799,316	44.3	7.3	15,637,122	49.1	12.4
Processed Products:									
Iron and Steel	2,066,919	5.1	-29.4	2,066,919	7.2	-29.4	1,647,866	5.2	-21.1
Steel Slab	427,368	1.0	-62.4	427,368	1.5	-62.4	4,782	0.0	-99.1
Petroleum Products	1,789,928	4.4	35.5	1,624,885	5.6	30.0	759,345	2.4	72.2
Chemicals	704,227	1.7	3.7	632,152	2.2	13.3	436,386	1.4	3.6
Other Processed Products	5,157,229	12.6	-4.3	2,046,037	7.1	-5.9	3,965,136	12.4	-6.8
Total Processed Products	10,145,671	24.8	-11.4	6,797,361	23.5	-15.6	6,813,515	21.4	-12.2
Miscellaneous Cargo:									
Forest Products	70,476	0.2	-28.8	70,476	0.2	-28.8	70,402	0.2	-21.0
Animal Products	31,849	0.1	1.9	31,849	0.1	1.9	0	-	-100.0
Total Miscellaneous Cargo	102,325	0.3	-21.4	102,325	0.4	-21.4	70,402	0.2	-25.4
GRAND TOTAL	40,847,809	100.0	-1.3	28,900,440	100.0	-3.7	31,870,466	100.0	-0.7

**ACTUAL OPENING AND CLOSING DATES OF NAVIGATION
1984 - 2003**

TABLE S3

YEAR	MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
	Opening	Closing	Days of Navigation	Opening	Closing	Days of Navigation
1984	April 2	January 2	276	March 28	January 1	280
1985	April 1	December 30	274	April 1	December 30	274
1986	April 3	December 27	269	April 3	December 26	268
1987	March 31	December 26	271	April 1	December 28	272
1988	March 29	December 23	270	March 30	December 25	271
1989	March 30	December 23	269	March 31	December 23	268
1990	March 28	December 26	274	March 28	December 24	272
1991	March 26	December 24	274	March 26	December 24	274
1992	March 30	December 23	269	March 30	December 24	270
1993	March 30	December 26	272	March 30	December 25	271
1994	April 5	December 29	269	April 5	December 30	270
1995	March 24	December 28	280	March 24	December 25	277
1996	March 29	December 27	274	March 29	December 25	272
1997	April 2	December 26	269	April 2	December 24	267
1998	March 26	December 27	277	March 24	December 28	280
1999	March 31	December 25	270	March 30	December 25	271
2000	March 27	December 26	275	March 27	December 25	274
2001	March 23	December 24	277	March 23	December 24	277
2002	March 26	December 26	276	March 26	December 25	275
2003	March 31	December 28	273	March 26	December 30	280

ACTUAL DATES: **OPENING** = The date the system opened for commercial navigation.
 CLOSING = The date the last commercial vessel cleared the system.

PART II

ST. LAWRENCE SEAWAY

COMBINED TOLL TRAFFIC

FOR BOTH THE

MONTREAL - LAKE ONTARIO

AND THE

WELLAND CANAL SECTIONS

**TRAFFIC BY CLASS AND TYPE OF VESSEL
2003**

TABLE C1

ST. LAWRENCE SEAWAY

CLASS AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES								
	Loaded	Ballast	Total		Bulk	Coal	Grains	Govt. Aid	Con-tainers	General	Steel Slab	Total	%
UPBOUND:													
Ocean: Cargo	302	51	353	5,169,932	1,743,342	0	35,524	0	755	1,752,843	427,085	3,959,549	9.7
Barge	0	0	0	0	0	0	0	0	0	0	0	0	-
Tanker	99	19	118	837,613	822,352	0	0	0	0	0	0	822,352	2.0
Total Ocean	401	70	471	6,007,545	2,565,694	0	35,524	0	755	1,752,843	427,085	4,781,901	11.7
Laker: Cargo	595	217	812	12,718,895	13,305,268	0	53,683	0	744	0	0	13,359,695	32.7
Barge	113	67	180	1,163,935	1,210,565	0	0	0	0	3,070	0	1,213,635	3.0
Tanker	59	32	91	535,560	473,834	0	0	0	0	0	0	473,834	1.2
Total Laker	767	316	1,083	14,418,390	14,989,667	0	53,683	0	744	3,070	0	15,047,164	36.8
Non-Cargo	0	327	327	136,755	0	0	0	0	0	0	0	0	-
Passenger	42	25	67	46,829	0	0	0	0	0	0	0	0	-
Total Upbound	1,210	738	1,948	20,609,519	17,555,361	0	89,207	0	1,499	1,755,913	427,085	19,829,065	48.5
DOWNBOUND:													
Ocean: Cargo	301	47	348	5,085,070	422,589	0	3,657,024	7,826	7,229	362,750	283	4,457,701	10.9
Barge	0	0	0	0	0	0	0	0	0	0	0	0	-
Tanker	52	66	118	837,613	345,581	0	0	0	0	0	0	345,581	0.8
Total Ocean	353	113	466	5,922,683	768,170	0	3,657,024	7,826	7,229	362,750	283	4,803,282	11.8
Laker: Cargo	654	154	808	12,599,246	5,326,282	4,196,191	5,777,048	0	6,480	0	0	15,306,001	37.5
Barge	75	101	176	1,129,156	430,409	0	122,351	0	0	0	0	552,760	1.4
Tanker	47	45	92	539,464	356,701	0	0	0	0	0	0	356,701	0.9
Total Laker	776	300	1,076	14,267,866	6,113,392	4,196,191	5,899,399	0	6,480	0	0	16,215,462	39.7
Non-Cargo	0	329	329	135,467	0	0	0	0	0	0	0	0	-
Passenger	44	23	67	46,391	0	0	0	0	0	0	0	0	-
Total Downbound	1,173	765	1,938	20,372,407	6,881,562	4,196,191	9,556,423	7,826	13,709	362,750	283	21,018,744	51.5
TOTALS:													
Ocean: Cargo	603	98	701	10,255,002	2,165,931	0	3,692,548	7,826	7,984	2,115,593	427,368	8,417,250	20.6
Barge	0	0	0	0	0	0	0	0	0	0	0	0	-
Tanker	151	85	236	1,675,226	1,167,933	0	0	0	0	0	0	1,167,933	2.9
Total Ocean	754	183	937	11,930,228	3,333,864	0	3,692,548	7,826	7,984	2,115,593	427,368	9,585,183	23.5
Laker: Cargo	1,249	371	1,620	25,318,141	18,631,550	4,196,191	5,830,731	0	7,224	0	0	28,665,696	70.2
Barge	188	168	356	2,293,091	1,640,974	0	122,351	0	0	3,070	0	1,766,395	4.3
Tanker	106	77	183	1,075,024	830,535	0	0	0	0	0	0	830,535	2.0
Total Laker	1,543	616	2,159	28,686,256	21,103,059	4,196,191	5,953,082	0	7,224	3,070	0	31,262,626	76.5
Non-Cargo	0	656	656	272,222	0	0	0	0	0	0	0	0	-
Passenger	86	48	134	93,220	0	0	0	0	0	0	0	0	-
GRAND TOTAL	2,383	1,503	3,886	40,981,926	24,436,923	4,196,191	9,645,630	7,826	15,208	2,118,663	427,368	40,847,809	100.0

**TRAFFIC BY CLASSIFICATION AND TYPE OF CARGO
2003**

TABLE C2

ST. LAWRENCE SEAWAY

COMMODITY	CARGO TONNES								% of Total
	Bulk	Coal	Grains	Govt. Aid	Con-tainers	General	Steel Slab	Total	
Wheat	0	0	6,232,172	6,996	0	0	0	6,239,168	15.3
Corn	0	0	891,216	0	0	0	0	891,216	2.2
Rye	0	0	0	0	0	0	0	0	-
Oats	0	0	78,058	0	0	0	0	78,058	0.2
Barley	0	0	48,828	0	0	0	0	48,828	0.1
Canola (Rapeseed)	0	0	278,592	0	0	0	0	278,592	0.7
Canola Meal, Pellets	0	0	15,543	0	0	0	0	15,543	0.0
Flour, Wheat & Other Edible	0	0	0	0	0	0	0	0	-
Soybeans	0	0	1,255,477	0	0	0	0	1,255,477	3.1
Soybean Oil Cake, Meal, Pellets	0	0	6,702	0	0	0	0	6,702	0.0
Beans and Peas	0	0	146,189	0	0	0	0	146,189	0.4
Flaxseed	0	0	503,648	0	0	0	0	503,648	1.2
Sunflower Seeds	0	0	0	0	0	0	0	0	-
Other Agricultural Products	5,588	0	189,205	0	0	0	0	194,793	0.5
Total Agricultural Products	5,588	0	9,645,630	6,996	0	0	0	9,658,214	23.6
Packing House Products, Edible	0	0	0	0	0	0	0	0	-
Hides, Skins, Pelts, Wool	0	0	0	0	0	0	0	0	-
Other Animal Products	31,366	0	0	0	483	0	0	31,849	0.1
Total Animal Products	31,366	0	0	0	483	0	0	31,849	0.1
Bituminous Coal	0	4,196,191	0	0	0	0	0	4,196,191	10.3
Coke	1,077,883	0	0	0	0	0	0	1,077,883	2.6
Iron Ore	10,649,286	0	0	0	0	0	0	10,649,286	26.1
Aluminum Ore and Concentrates	135,081	0	0	0	0	0	0	135,081	0.3
Clay and Bentonite	109,485	0	0	0	0	0	0	109,485	0.3
Gravel and Sand	210,676	0	0	0	0	0	0	210,676	0.5
Stone	799,893	0	0	0	0	0	0	799,893	2.0
Salt	2,254,086	0	0	0	0	0	0	2,254,086	5.5
Potash	143,619	0	0	0	0	0	0	143,619	0.4
Gypsum	651,952	0	0	0	0	0	0	651,952	1.6
Asphalt	246,888	0	0	0	0	0	0	246,888	0.6
Other Mine Products	466,559	0	0	0	0	0	0	466,559	1.1
Total Mine Products	16,745,408	4,196,191	0	0	0	0	0	20,941,599	51.3
Lumber	70,058	0	0	0	0	0	0	70,058	0.2
Other Forest Products	0	0	0	0	0	418	0	418	0.0
Total Forest Products	70,058	0	0	0	0	418	0	70,476	0.2
Gasoline	602,920	0	0	0	0	0	0	602,920	1.5
Fuel Oil	1,096,230	0	0	0	0	0	0	1,096,230	2.7
Other Petroleum Products	90,778	0	0	0	0	0	0	90,778	0.2
Chemicals	704,216	0	0	0	8	3	0	704,227	1.7
Sodium Products	73,758	0	0	0	0	0	0	73,758	0.2
Tar, Pitch and Creosote	31,634	0	0	0	0	0	0	31,634	0.1
Pig Iron	179,104	0	0	0	0	0	0	179,104	0.4
Iron and Steel	408	0	0	0	0	2,066,511	0	2,066,919	5.1
Steel Slab	0	0	0	0	0	0	427,368	427,368	1.0
Machinery and Machines	378	0	0	0	723	25,254	0	26,355	0.1
Cement	1,378,305	0	0	0	0	0	0	1,378,305	3.4
Cement Clinker	1,246,303	0	0	0	0	0	0	1,246,303	3.1
Woodpulp	210,688	0	0	0	0	0	0	210,688	0.5
Newsprint and Paper Products	0	0	0	0	0	0	0	0	-
Syrup and Molasses	0	0	0	0	0	0	0	0	-
Sugar	653,988	0	0	0	0	0	0	653,988	1.6
Food Products	0	0	0	0	0	0	0	0	-
Furnace Slags	762,813	0	0	0	0	0	0	762,813	1.9
Scrap Iron and Steel	160,209	0	0	0	0	0	0	160,209	0.4
Other Manufactures and Misc (1)	392,771	0	0	830	13,994	26,477	0	434,072	1.1
Total Manufactures and Misc.	7,584,503	0	0	830	14,725	2,118,245	427,368	10,145,671	24.8
GRAND TOTAL	24,436,923	4,196,191	9,645,630	7,826	15,208	2,118,663	427,368	40,847,809	100.0

(1) Includes unclassified cargoes

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2003**

TABLE C3 - Part A

ST. LAWRENCE SEAWAY

NO.	COMMODITY	from:		UPBOUND TONNES				TOTAL UPBOUND	% OF TOTAL UP-BOUND		
		to:		CANADA		UNITED STATES				FOREIGN	
		Canada	United States	Canada	United States	Canada	United States				
1	Wheat	0	11,149	0	0	0	0	11,149	0.1		
2	Corn	0	0	0	0	0	0	0	-		
3	Rye	0	0	0	0	0	0	0	-		
4	Oats	0	42,534	0	0	0	35,524	78,058	0.4		
5	Barley	0	0	0	0	0	0	0	-		
6	Canola (Rapeseed)	0	0	0	0	0	0	0	-		
7	Canola Meal, Pellets	0	0	0	0	0	0	0	-		
8	Flour, Wheat & Other Edible	0	0	0	0	0	0	0	-		
9	Soybeans	0	0	0	0	0	0	0	-		
10	Soybean Oil Cake, Meal, Pellets	0	0	0	0	0	0	0	-		
11	Beans and Peas	0	0	0	0	0	0	0	-		
12	Flaxseed	0	0	0	0	0	0	0	-		
13	Sunflower Seeds	0	0	0	0	0	0	0	-		
14	Other Agricultural Products	0	0	0	0	5,588	0	5,588	0.0		
15	Total Agricultural Products	0	53,683	0	0	5,588	35,524	94,795	0.5		
16	Packing House Products, Edible	0	0	0	0	0	0	0	-		
17	Hides, Skins, Pelts, Wool	0	0	0	0	0	0	0	-		
18	Other Animal Products	0	0	0	0	0	0	0	-		
19	Total Animal Products	0	0	0	0	0	0	0	-		
20	Bituminous Coal	0	0	0	0	0	0	0	-		
21	Coke	176,941	64,911	0	0	0	0	241,852	1.2		
22	Iron Ore	4,504,969	4,754,117	0	0	0	0	9,259,086	46.7		
23	Aluminum Ore and Concentrates	0	0	0	0	82,081	53,000	135,081	0.7		
24	Clay and Bentonite	0	0	0	0	0	4,645	4,645	0.0		
25	Gravel and Sand	0	0	0	0	550	2,500	3,050	0.0		
26	Stone	26,998	422,621	0	0	0	0	449,619	2.3		
27	Salt	183,980	0	0	0	0	5,299	189,279	1.0		
28	Potash	0	0	0	0	0	0	0	-		
29	Gypsum	651,952	0	0	0	0	0	651,952	3.3		
30	Asphalt	16,262	80,220	0	0	0	0	96,482	0.5		
31	Other Mine Products	38,458	49,221	0	0	194,578	138,114	420,371	2.1		
32	Total Mine Products	5,599,560	5,371,090	0	0	277,209	203,558	11,451,417	57.8		
33	Lumber	0	0	0	0	0	63,286	63,286	0.3		
34	Other Forest Products	0	0	0	0	0	418	418	0.0		
35	Total Forest Products	0	0	0	0	0	63,704	63,704	0.3		
36	Gasoline	491,391	0	9,583	0	101,946	0	602,920	3.0		
37	Fuel Oil	285,887	173,175	0	0	0	0	459,062	2.3		
38	Other Petroleum Products	24,737	0	32,780	0	2,723	0	60,240	0.3		
39	Chemicals	15,762	0	38,900	0	257,342	47,027	359,031	1.8		
40	Sodium Products	0	0	68,800	0	4,958	0	73,758	0.4		
41	Tar, Pitch and Creosote	0	0	0	0	0	0	0	-		
42	Pig Iron	3,020	88,194	0	0	0	87,890	179,104	0.9		
43	Iron & Steel	0	1,018	0	0	663,015	1,046,919	1,710,952	8.6		
44	Steel Slab	0	0	0	0	422,303	4,782	427,085	2.2		
45	Machinery and Machines	135	0	0	243	4,103	14,664	19,145	0.1		
46	Cement	100,347	1,196,762	0	0	0	0	1,297,109	6.5		
47	Cement Clinker	0	1,246,303	0	0	0	0	1,246,303	6.3		
48	Woodpulp	0	0	0	0	0	144,551	144,551	0.7		
49	Newsprint and Paper Products	0	0	0	0	0	0	0	-		
50	Syrup and Molasses	0	0	0	0	0	0	0	-		
51	Sugar	167,419	0	0	0	486,569	0	653,988	3.3		
52	Food Products	0	0	0	0	0	0	0	-		
53	Furnace Slags	113,655	253,858	0	0	0	129,521	497,034	2.5		
54	Scrap Iron and Steel	0	110,013	0	0	0	0	110,013	0.6		
55	Other Manufactures and Misc (1)	156,096	3,070	0	224	183,054	36,410	378,854	1.9		
56	Total Manufactures and Misc.	1,358,449	3,072,393	150,063	467	2,126,013	1,511,764	8,219,149	41.5		
57	GRAND TOTAL	6,958,009	8,497,166	150,063	467	2,408,810	1,814,550	19,829,065	100.0		

(1) Includes unclassified cargoes

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2003**

TABLE C3 - Part B

ST. LAWRENCE SEAWAY

from:	DOWNBOUND TONNES						TOTAL DOWN- BOUND	% OF TOTAL DOWN- BOUND	GRAND TOTALS		NO.
	CANADA			UNITED STATES					TOTAL CARGO TONNES	% OF TOTAL	
	Canada	United States	Foreign	Canada	United States	Foreign					
	3,808,234	0	602,152	421,573	0	1,396,060	6,228,019	29.6	6,239,168	15.3	1
	5,399	0	0	749,127	0	136,690	891,216	4.2	891,216	2.2	2
	0	0	0	0	0	0	0	-	0	-	3
	0	0	0	0	0	0	0	-	78,058	0.2	4
	0	0	46,615	0	0	2,213	48,828	0.2	48,828	0.1	5
	7,998	0	270,594	0	0	0	278,592	1.3	278,592	0.7	6
	0	0	15,543	0	0	0	15,543	0.1	15,543	0.0	7
	0	0	0	0	0	0	0	-	0	-	8
	235,125	0	119,084	646,044	0	255,224	1,255,477	6.0	1,255,477	3.1	9
	6,702	0	0	0	0	0	6,702	0.0	6,702	0.0	10
	8,487	0	136,273	0	0	1,429	146,189	0.7	146,189	0.4	11
	10,710	0	444,078	0	0	48,860	503,648	2.4	503,648	1.2	12
	0	0	0	0	0	0	0	-	0	-	13
	0	0	61,145	0	0	128,060	189,205	0.9	194,793	0.5	14
	4,082,655	0	1,695,484	1,816,744	0	1,968,536	9,563,419	45.5	9,658,214	23.6	15
	0	0	0	0	0	0	0	-	0	-	16
	0	0	0	0	0	0	0	-	0	-	17
	0	0	31,849	0	0	0	31,849	0.2	31,849	0.1	18
	0	0	31,849	0	0	0	31,849	0.2	31,849	0.1	19
	346,103	0	0	3,850,088	0	0	4,196,191	20.0	4,196,191	10.3	20
	35,544	0	51,119	749,368	0	0	836,031	4.0	1,077,883	2.6	21
	0	0	0	1,390,200	0	0	1,390,200	6.6	10,649,286	26.1	22
	0	0	0	0	0	0	0	-	135,081	0.3	23
	0	0	0	0	0	104,840	104,840	0.5	109,485	0.3	24
	0	0	0	207,626	0	0	207,626	1.0	210,676	0.5	25
	350,274	0	0	0	0	0	350,274	1.7	799,893	2.0	26
	1,458,869	185,425	0	420,513	0	0	2,064,807	9.8	2,254,086	5.5	27
	76,368	8,301	58,950	0	0	0	143,619	0.7	143,619	0.4	28
	0	0	0	0	0	0	0	-	651,952	1.6	29
	13,777	0	0	136,629	0	0	150,406	0.7	246,888	0.6	30
	38,315	0	0	7,873	0	0	46,188	0.2	466,559	1.1	31
	2,319,250	193,726	110,069	6,762,297	0	104,840	9,490,182	45.2	20,941,599	51.3	32
	0	0	74	0	0	6,698	6,772	0.0	70,058	0.2	33
	0	0	0	0	0	0	0	-	418	0.0	34
	0	0	74	0	0	6,698	6,772	0.0	70,476	0.2	35
	0	0	0	0	0	0	0	-	602,920	1.5	36
	516,437	20,273	9,511	90,947	0	0	637,168	3.0	1,096,230	2.7	37
	5,464	0	25,074	0	0	0	30,538	0.1	90,778	0.2	38
	89,175	80,073	140,881	32,893	2,174	0	345,196	1.6	704,227	1.7	39
	0	0	0	0	0	0	0	-	73,758	0.2	40
	31,634	0	0	0	0	0	31,634	0.2	31,634	0.1	41
	0	0	0	0	0	0	0	-	179,104	0.4	42
	408	0	46,759	0	0	308,800	355,967	1.7	2,066,919	5.1	43
	0	0	283	0	0	0	283	0.0	427,368	1.0	44
	0	1,848	1,321	0	0	4,041	7,210	0.0	26,355	0.1	45
	81,196	0	0	0	0	0	81,196	0.4	1,378,305	3.4	46
	0	0	0	0	0	0	0	-	1,246,303	3.1	47
	0	0	37,845	0	0	28,292	66,137	0.3	210,688	0.5	48
	0	0	0	0	0	0	0	-	0	-	49
	0	0	0	0	0	0	0	-	0	-	50
	0	0	0	0	0	0	0	-	653,988	1.6	51
	0	0	0	0	0	0	0	-	0	-	52
	265,779	0	0	0	0	0	265,779	1.3	762,813	1.9	53
	50,196	0	0	0	0	0	50,196	0.2	160,209	0.4	54
	53,779	0	609	0	0	830	55,218	0.3	434,072	1.1	55
	1,094,068	102,194	262,283	123,840	2,174	341,963	1,926,522	9.2	10,145,671	24.8	56
	7,495,973	295,920	2,099,759	8,702,881	2,174	2,422,037	21,018,744	100.0	40,847,809	100.0	57

**TRAFFIC BY MAJOR 25 CANADIAN PORTS
2003**

TABLE C4

ST. LAWRENCE SEAWAY

PORT OR AREA (2)	SHIP- MENTS	CARGO TONNES (1)								
		Bulk	Coal	Grains	Govt. Aid	Con- tainers	General	Steel Slab	Total	%
INBOUND:										
Hamilton	712	6,813,489	2,402,733	96,279	0	29	290,089	422,303	10,024,922	19.6
Port Cartier	81	492,347	0	1,495,767	0	0	0	0	1,988,114	3.9
Baie Comeau	70	0	0	1,768,384	0	0	0	0	1,768,384	3.5
Quebec City	75	137,359	0	1,317,434	0	0	0	0	1,454,793	2.8
Toronto	89	1,405,804	0	0	0	0	27,827	0	1,433,631	2.8
Lakeview	42	0	1,078,863	0	0	0	0	0	1,078,863	2.1
Côte Ste Catherine	57	721,940	80,563	0	0	900	10,447	0	813,850	1.6
Montreal	52	321,162	0	317,175	0	0	0	0	638,337	1.3
Clarkson	42	448,267	162,595	0	0	0	0	0	610,862	1.2
Bowmanville	24	474,276	79,768	0	0	0	0	0	554,044	1.1
Nanticoke	23	520,786	0	0	0	0	0	0	520,786	1.0
Sarnia	46	415,806	0	0	0	0	0	0	415,806	0.8
Sorel	23	0	0	373,094	0	0	0	0	373,094	0.7
Picton	13	168,235	155,474	0	0	0	0	0	323,709	0.6
Valleyfield	59	279,350	0	0	0	280	12,344	0	291,974	0.6
Johnstown	11	269,976	0	0	0	0	0	0	269,976	0.5
Windsor	50	157,858	0	0	0	0	86,082	0	243,940	0.5
Sault Ste Marie	41	54,425	0	0	0	0	186,098	0	240,523	0.5
Oakville	26	229,878	0	0	0	0	0	0	229,878	0.5
Morrisburg	17	208,219	0	0	0	0	0	0	208,219	0.4
Rameys Bend	18	26,998	0	180,889	0	0	0	0	207,887	0.4
Thorold	15	176,348	0	20,488	0	0	0	0	196,836	0.4
Tracy	21	176,340	0	0	0	0	0	0	176,340	0.3
Oshawa	30	100,632	0	0	0	0	63,282	0	163,914	0.3
Halifax	11	0	0	152,795	0	0	0	0	152,795	0.3
Other Canada	163	907,064	236,195	177,094	0	12,598	1,308	0	1,334,259	2.6
Total Inbound	1,811	14,506,559	4,196,191	5,899,399	0	13,807	677,477	422,303	25,715,736	50.4
OUTBOUND:										
Thunder Bay	295	260,153	319,409	4,904,850	0	0	0	0	5,484,412	10.7
Pointe Noire	119	3,107,104	0	0	0	0	0	0	3,107,104	6.1
Port Cartier	108	2,839,474	0	0	0	0	0	0	2,839,474	5.6
Sept-Iles	99	2,641,538	0	0	0	0	3,070	0	2,644,608	5.2
Quebec City	79	1,412,656	0	42,534	0	0	0	0	1,455,190	2.8
Bowmanville	102	1,232,955	0	0	0	0	0	0	1,232,955	2.4
Goderich	57	911,614	0	107,156	0	0	0	0	1,018,770	2.0
Hamilton	91	593,643	0	277,072	0	610	11,123	283	882,731	1.7
Windsor	50	732,680	0	149,683	0	0	0	0	882,363	1.7
Picton	55	587,834	0	0	0	0	0	0	587,834	1.2
Montreal	79	548,982	0	0	0	0	0	0	548,982	1.1
Sarnia	53	258,458	0	266,548	0	0	0	0	525,006	1.0
Rameys Bend	31	441,358	0	0	0	0	0	0	441,358	0.9
Bath	79	421,112	0	0	0	0	0	0	421,112	0.8
Meldrum Bay	13	346,631	0	0	0	0	0	0	346,631	0.7
Sault Ste Marie	21	267,647	0	0	0	0	17,960	0	285,607	0.6
Little Narrows	13	267,262	0	0	0	0	0	0	267,262	0.5
Nanticoke	26	239,656	26,694	0	0	0	0	0	266,350	0.5
Halifax	11	243,747	0	0	0	0	0	0	243,747	0.5
Clarkson	22	217,663	0	0	0	0	0	0	217,663	0.4
St Romuald	23	182,177	0	0	0	0	0	0	182,177	0.4
Magdalen Island	8	169,357	0	0	0	0	0	0	169,357	0.3
Oakville	19	163,361	0	0	0	0	0	0	163,361	0.3
Point Tupper	6	151,932	0	0	0	0	0	0	151,932	0.3
Sorel	41	130,383	0	0	0	0	0	0	130,383	0.3
Other Canada	189	730,356	0	83,979	0	13,778	22,345	0	850,458	1.7
Total Outbound	1,689	19,099,733	346,103	5,831,822	0	14,388	54,498	283	25,346,827	49.6
GRAND TOTAL	3,500	33,606,292	4,542,294	11,731,221	0	28,195	731,975	422,586	51,062,563	100.0

(1) Tonnage figures are limited to cargo volumes moved through the Seaway lock structures.

(2) Area includes all ports or installations within a 20 kilometre (12.5 mile) radius of the main harbour.

**TRAFFIC BY MAJOR 25 UNITED STATES PORTS
2003**

TABLE C5

ST. LAWRENCE SEAWAY

PORT OR AREA (2)	SHIP- MENTS	CARGO TONNES (1)								%
		Bulk	Coal	Grains	Govt. Aid	Con- tainers	General	Steel Slab	Total	
INBOUND:										
Toledo	172	2,817,660	0	64,709	0	8	17,586	0	2,899,963	13
Cleveland	276	1,132,983	0	0	0	139	329,262	0	1,462,384	7
Detroit	214	1,154,575	0	0	0	7	251,751	96	1,406,429	6
Burns Harbour	220	967,314	0	0	0	51	282,457	4,686	1,254,508	6
Ashtabula	42	780,929	0	0	0	0	0	0	780,929	4
Essexville	18	402,220	0	0	0	0	0	0	402,220	2
Gary	16	362,674	0	0	0	0	0	0	362,674	2
Oswego	43	319,513	0	0	0	0	0	0	319,513	1
Indiana Harbour	15	197,900	0	0	0	0	66,622	0	264,522	1
Milwaukee	104	175,923	0	0	0	85	84,307	0	260,315	1
Duluth	37	209,046	0	0	0	0	24,687	0	233,733	1
Menominee	35	146,314	0	0	0	0	2,100	0	148,414	1
Buffalo	22	134,347	0	11,149	0	0	472	0	145,968	1
Marinette	19	132,804	0	0	0	0	0	0	132,804	1
Ogdensburg	5	132,598	0	0	0	0	0	0	132,598	1
Green Bay	23	122,686	0	0	0	0	0	0	122,686	1
Gulf of Mexicc	10	50,896	0	0	0	0	0	0	50,896	0
Lorain	2	43,948	0	0	0	0	0	0	43,948	0
Conneaut	2	34,500	0	0	0	0	0	0	34,500	0
Ludington	5	30,052	0	0	0	0	0	0	30,052	0
East Coast	5	26,586	0	0	0	0	1,848	0	28,434	0
Chicago	20	6,389	0	0	0	0	19,192	0	25,581	0
Huron	1	0	0	13,349	0	0	0	0	13,349	0
St. Clair River	2	12,241	0	0	0	0	0	0	12,241	0
Saginaw	1	11,565	0	0	0	0	0	0	11,565	0
Other U.S.A. Ports	7	30,051	0	0	0	0	0	0	30,051	0
Total Inbound	1,316	9,435,714	0	89,207	0	290	1,080,284	4,782	10,610,277	48
OUTBOUND (3):										
Duluth	161	192,575	0	2,356,059	0	0	0	0	2,548,634	12
Toledo	82	30,172	271,912	1,068,236	0	0	0	0	1,370,320	6
Ashtabula	55	3,778	1,362,456	0	0	0	0	0	1,366,234	6
Superior	53	1,302,465	0	24,980	0	0	0	0	1,327,445	6
Conneaut	48	0	1,193,007	0	0	0	0	0	1,193,007	5
Sandusky	41	26,806	1,022,713	0	0	0	0	0	1,049,519	5
Chicago	21	348,623	0	0	0	0	60,436	0	409,059	2
Cleveland	34	236,009	0	10,741	0	501	147,516	0	394,767	2
Detroit	44	293,176	0	0	0	0	86,152	0	379,328	2
Milwaukee	21	71,861	0	227,846	7,826	0	0	0	307,533	1
Gary	11	282,262	0	0	0	0	0	0	282,262	1
Fairport City	9	184,504	0	0	0	0	0	0	184,504	1
Lake Michigan	8	135,765	0	0	0	0	0	0	135,765	1
Gulf of Mexicc	11	101,579	0	0	0	0	0	0	101,579	0
Burns Harbour	5	0	0	75,816	0	0	17,276	0	93,092	0
East Coast	4	48,484	0	0	0	0	0	0	48,484	0
Ludington	11	35,067	0	0	0	0	0	0	35,067	0
Menominee	6	34,990	0	0	0	0	0	0	34,990	0
Huron	1	0	0	10,182	0	0	0	0	10,182	0
Ogdensburg	1	0	0	4,424	0	0	0	0	4,424	0
Erie	1	0	0	0	0	0	960	0	960	0
Oswego	2	467	0	0	0	0	0	0	467	0
Total Outbound	630	3,328,583	3,850,088	3,778,284	7,826	501	312,340	0	11,277,622	52
GRAND TOTAL	1,946	12,764,297	3,850,088	3,867,491	7,826	791	1,392,624	4,782	21,887,899	100

(1) Tonnage figures are limited to cargo volumes moved through the Seaway lock structures.

(2) Area includes all ports or installations within a 20 kilometre (12.5 mile) radius of the main harbour.

(3) This year there are only 22 ports in the outbound section.

**TRAFFIC RESULTS
1984 - 2003**

TABLE C6

ST. LAWRENCE SEAWAY

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
1984	2,681	2,641	5,322	19,984,880	40,944,288	60,929,168	34,056,771	33,342,809	67,399,580
1985	2,243	2,185	4,428	16,307,416	32,246,874	48,554,290	27,953,450	27,039,682	54,993,132
1986	2,344	2,258	4,602	16,306,485	32,264,732	48,571,217	28,865,047	28,050,099	56,915,146
1987	2,351	2,238	4,589	18,647,923	32,005,339	50,653,262	28,772,497	27,518,198	56,290,695
1988	2,320	2,260	4,580	20,543,989	31,933,347	52,477,336	28,251,634	27,442,545	55,694,179
1989	2,100	2,083	4,183	19,415,461	28,946,228	48,361,689	25,218,762	25,219,816	50,438,578
1990	2,164	2,126	4,290	19,758,502	28,648,369	48,406,871	25,068,643	24,536,448	49,605,091
1991	2,152	2,103	4,255	14,574,623	30,612,638	45,187,261	25,319,458	24,528,868	49,848,326
1992	1,935	1,903	3,838	16,179,879	26,156,107	42,335,986	22,741,885	22,357,721	45,099,606
1993	1,787	1,763	3,550	19,693,203	21,291,668	40,984,871	20,942,313	20,435,090	41,377,403
1994	2,045	2,014	4,059	24,429,448	24,461,658	48,891,106	24,388,400	23,936,121	48,324,521
1995	1,969	1,899	3,868	20,485,138	27,638,877	48,124,015	24,896,719	23,870,958	48,767,677
1996	2,015	1,938	3,953	24,319,878	25,619,327	49,939,205	25,974,980	24,572,584	50,547,564
1997	2,051	2,010	4,061	22,390,130	26,562,765	48,952,895	25,372,516	24,402,455	49,774,971
1998	2,209	2,157	4,366	26,183,719	24,947,562	51,131,281	27,072,903	26,285,213	53,358,116
1999	2,342	2,314	4,656	23,244,713	24,614,650	47,859,363	24,341,426	24,040,344	48,381,770
2000	2,106	2,079	4,185	22,612,033	23,961,411	46,573,444	23,309,675	22,954,852	46,264,527
2001	2,057	2,028	4,085	19,234,141	22,471,184	41,705,325	21,927,563	21,626,296	43,553,859
2002	1,949	1,942	3,891	20,374,620	21,013,630	41,388,250	21,504,691	21,304,198	42,808,889
2003	1,948	1,938	3,886	19,829,065	21,018,744	40,847,809	20,609,519	20,372,407	40,981,926
TOTAL	42,768	41,879	84,647	404,515,246	547,359,398	951,874,644	506,588,852	493,836,704	1,000,425,556

**CARGO BY TARIFF CLASSIFICATION
1984 - 2003**

TABLE C7

ST. LAWRENCE SEAWAY

YEAR	BULK		COAL		GRAINS		GOVT. AID		CONTAINERS		GENERAL		STEEL SLAB		TOTAL TONNES
	Tonnes	%	TONNES	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1984	31,203,330	51.2	N/A	-	24,556,241	40.3	231,107	0.4	140,684	0.2	4,797,806	7.9	N/A	-	60,929,168
1985	26,827,670	55.3	N/A	-	17,418,609	35.9	261,917	0.5	113,671	0.2	3,932,423	8.1	N/A	-	48,554,290
1986	27,156,533	55.9	N/A	-	17,175,451	35.4	227,670	0.5	59,943	0.1	3,951,620	8.1	N/A	-	48,571,217
1987	27,187,830	53.7	N/A	-	19,208,840	37.9	211,044	0.4	42,945	0.1	4,002,603	7.9	N/A	-	50,653,262
1988	31,646,241	60.3	N/A	-	16,138,512	30.7	87,456	0.2	38,853	0.1	4,566,274	8.7	N/A	-	52,477,336
1989	31,552,895	65.2	N/A	-	12,196,741	25.2	168,750	0.4	31,728	0.1	4,411,575	9.1	N/A	-	48,361,689
1990	31,700,610	65.5	N/A	-	12,841,740	26.5	87,737	0.2	23,918	0.0	3,752,866	7.8	N/A	-	48,406,871
1991	25,478,640	56.4	N/A	-	16,010,432	35.4	159,449	0.4	20,472	0.0	3,518,268	7.8	N/A	-	45,187,261
1992	26,076,870	61.6	N/A	-	12,856,280	30.3	89,273	0.2	23,577	0.1	3,289,986	7.8	N/A	-	42,335,986
1993	25,259,176	61.6	N/A	-	11,278,837	27.5	54,905	0.1	29,636	0.1	4,362,317	10.7	N/A	-	40,984,871
1994	28,030,480	57.3	N/A	-	13,787,626	28.2	54,768	0.1	17,799	0.0	7,000,433	14.3	N/A	-	48,891,106
1995	28,188,111	58.6	N/A	-	15,158,613	31.5	35,964	0.1	25,060	0.1	4,716,267	9.8	N/A	-	48,124,015
1996	31,240,673	62.6	N/A	-	12,788,770	25.6	0	-	15,075	0.0	5,894,687	11.8	N/A	-	49,939,205
1997	29,965,961	61.2	N/A	-	13,862,565	28.3	0	-	11,816	0.0	5,112,553	10.5	N/A	-	48,952,895
1998	30,638,868	59.9	N/A	-	13,452,842	26.3	30,828	0.1	5,211	0.0	7,003,532	13.7	N/A	-	51,131,281
1999	24,563,155	51.3	4,541,600	9.5	14,084,611	29.4	80,692	0.2	11,573	0.0	4,165,674	8.7	412,058	0.9	47,859,363
2000	23,933,895	51.4	4,345,503	9.3	13,199,859	28.3	9,655	0.0	19,521	0.0	4,703,411	10.1	361,600	0.8	46,573,444
2001	22,087,887	53.0	4,803,620	11.5	11,792,163	28.3	0	-	16,471	0.0	2,621,102	6.3	384,082	0.9	41,705,325
2002	22,615,138	54.6	4,114,092	9.9	10,461,094	25.3	25,834	0.1	14,721	0.0	3,019,259	7.3	1,138,112	2.7	41,388,250
2003	24,436,923	59.8	4,196,191	10.3	9,645,630	23.6	7,826	0.0	15,208	0.0	2,118,663	5.2	427,368	1.0	40,847,809
TOTAL	549,790,886	57.8	22,001,006	2.3	287,915,456	30.2	1,824,875	0.2	677,882	0.1	86,941,319	9.1	2,723,220	0.3	951,874,644

PART III

ST. LAWRENCE SEAWAY

TOLL TRAFFIC

FOR THE

MONTREAL - LAKE ONTARIO SECTION

**TRAFFIC BY CLASS AND TYPE OF VESSEL
2003**

TABLE M1

MONTREAL-LAKE ONTARIO SECTION

CLASS AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES								
	Loaded	Ballast	Total		Bulk	Coal	Grains	Govt. Aid	Con-tainers	General	Steel Slab	Total	%
UPBOUND:													
Ocean: Cargo	302	46	348	5,097,631	1,743,342	0	35,524	0	755	1,752,843	427,085	3,959,549	13.7
Barge	0	0	0	0	0	0	0	0	0	0	0	0	-
Tanker	98	19	117	822,354	814,807	0	0	0	0	0	0	814,807	2.8
Total Ocean	400	65	465	5,919,985	2,558,149	0	35,524	0	755	1,752,843	427,085	4,774,356	16.5
Laker: Cargo	429	63	492	8,263,862	10,657,095	0	42,534	0	744	0	0	10,700,373	37.0
Barge	49	16	65	391,401	492,834	0	0	0	0	3,070	0	495,904	1.7
Tanker	54	26	80	488,731	465,766	0	0	0	0	0	0	465,766	1.6
Total Laker	532	105	637	9,143,994	11,615,695	0	42,534	0	744	3,070	0	11,662,043	40.4
Non-Cargo	0	133	133	62,695	0	0	0	0	0	0	0	0	-
Passenger	35	21	56	28,613	0	0	0	0	0	0	0	0	-
Total Upbound	967	324	1,291	15,155,287	14,173,844	0	78,058	0	1,499	1,755,913	427,085	16,436,399	56.9
DOWNBOUND:													
Ocean: Cargo	301	46	347	5,079,318	422,589	0	3,657,024	7,826	7,229	362,750	283	4,457,701	15.4
Barge	0	0	0	0	0	0	0	0	0	0	0	0	-
Tanker	50	67	117	822,354	330,300	0	0	0	0	0	0	330,300	1.1
Total Ocean	351	113	464	5,901,672	752,889	0	3,657,024	7,826	7,229	362,750	283	4,788,001	16.6
Laker: Cargo	318	171	489	8,190,669	1,578,449	214,728	5,434,161	0	6,480	0	0	7,233,818	25.0
Barge	23	40	63	369,693	141,486	0	19,611	0	0	0	0	161,097	0.6
Tanker	38	43	81	492,635	281,125	0	0	0	0	0	0	281,125	1.0
Total Laker	379	254	633	9,052,997	2,001,060	214,728	5,453,772	0	6,480	0	0	7,676,040	26.6
Non-Cargo	0	132	132	59,581	0	0	0	0	0	0	0	0	-
Passenger	38	21	59	28,961	0	0	0	0	0	0	0	0	-
Total Downbound	768	520	1,288	15,043,211	2,753,949	214,728	9,110,796	7,826	13,709	362,750	283	12,464,041	43.1
TOTALS:													
Ocean: Cargo	603	92	695	10,176,949	2,165,931	0	3,692,548	7,826	7,984	2,115,593	427,368	8,417,250	29.1
Barge	0	0	0	0	0	0	0	0	0	0	0	0	-
Tanker	148	86	234	1,644,708	1,145,107	0	0	0	0	0	0	1,145,107	4.0
Total Ocean	751	178	929	11,821,657	3,311,038	0	3,692,548	7,826	7,984	2,115,593	427,368	9,562,357	33.1
Laker: Cargo	747	234	981	16,454,531	12,235,544	214,728	5,476,695	0	7,224	0	0	17,934,191	62.1
Barge	72	56	128	761,094	634,320	0	19,611	0	0	3,070	0	657,001	2.3
Tanker	92	69	161	981,366	746,891	0	0	0	0	0	0	746,891	2.6
Total Laker	911	359	1,270	18,196,991	13,616,755	214,728	5,496,306	0	7,224	3,070	0	19,338,083	66.9
Non-Cargo	0	265	265	122,276	0	0	0	0	0	0	0	0	-
Passenger	73	42	115	57,574	0	0	0	0	0	0	0	0	-
GRAND TOTAL	1,735	844	2,579	30,198,498	16,927,793	214,728	9,188,854	7,826	15,208	2,118,663	427,368	28,900,440	100.0

**TRAFFIC BY CLASSIFICATION AND TYPE OF CARGO
2003**

TABLE M2

MONTREAL-LAKE ONTARIO SECTION

COMMODITY	CARGO TONNES								% of Total
	Bulk	Coal	Grains	Govt. Aid	Con-tainers	General	Steel Slab	Total	
Wheat	0	0	6,197,495	6,996	0	0	0	6,204,491	21.5
Corn	0	0	565,396	0	0	0	0	565,396	2.0
Rye	0	0	0	0	0	0	0	0	-
Oats	0	0	78,058	0	0	0	0	78,058	0.3
Barley	0	0	48,828	0	0	0	0	48,828	0.2
Canola (Rapeseed)	0	0	278,592	0	0	0	0	278,592	1.0
Canola Meal, Pellets	0	0	15,543	0	0	0	0	15,543	0.1
Flour, Wheat & Other Edible	0	0	0	0	0	0	0	0	-
Soybeans	0	0	1,159,198	0	0	0	0	1,159,198	4.0
Soybean Oil Cake, Meal, Pellets	0	0	6,702	0	0	0	0	6,702	0.0
Beans and Peas	0	0	146,189	0	0	0	0	146,189	0.5
Flaxseed	0	0	503,648	0	0	0	0	503,648	1.7
Sunflower Seeds	0	0	0	0	0	0	0	0	-
Other Agricultural Products	5,588	0	189,205	0	0	0	0	194,793	0.7
Total Agricultural Products	5,588	0	9,188,854	6,996	0	0	0	9,201,438	31.8
Packing House Products, Edible	0	0	0	0	0	0	0	0	-
Hides, Skins, Pelts, Wool	0	0	0	0	0	0	0	0	-
Other Animal Products	31,366	0	0	0	483	0	0	31,849	0.1
Total Animal Products	31,366	0	0	0	483	0	0	31,849	0.1
Bituminous Coal	0	214,728	0	0	0	0	0	214,728	0.7
Coke	680,875	0	0	0	0	0	0	680,875	2.4
Iron Ore	9,259,086	0	0	0	0	0	0	9,259,086	32.0
Aluminum Ore and Concentrates	135,081	0	0	0	0	0	0	135,081	0.5
Clay and Bentonite	109,485	0	0	0	0	0	0	109,485	0.4
Gravel and Sand	3,050	0	0	0	0	0	0	3,050	0.0
Stone	272,054	0	0	0	0	0	0	272,054	0.9
Salt	766,237	0	0	0	0	0	0	766,237	2.7
Potash	99,008	0	0	0	0	0	0	99,008	0.3
Gypsum	651,952	0	0	0	0	0	0	651,952	2.3
Asphalt	141,201	0	0	0	0	0	0	141,201	0.5
Other Mine Products	466,559	0	0	0	0	0	0	466,559	1.6
Total Mine Products	12,584,588	214,728	0	0	0	0	0	12,799,316	44.3
Lumber	70,058	0	0	0	0	0	0	70,058	0.2
Other Forest Products	0	0	0	0	0	418	0	418	0.0
Total Forest Products	70,058	0	0	0	0	418	0	70,476	0.2
Gasoline	602,920	0	0	0	0	0	0	602,920	2.1
Fuel Oil	931,187	0	0	0	0	0	0	931,187	3.2
Other Petroleum Products	90,778	0	0	0	0	0	0	90,778	0.3
Chemicals	632,141	0	0	0	8	3	0	632,152	2.2
Sodium Products	73,758	0	0	0	0	0	0	73,758	0.3
Tar, Pitch and Creosote	0	0	0	0	0	0	0	0	-
Pig Iron	179,104	0	0	0	0	0	0	179,104	0.6
Iron and Steel	408	0	0	0	0	2,066,511	0	2,066,919	7.2
Steel Slab	0	0	0	0	0	0	427,368	427,368	1.5
Machinery and Machines	0	0	0	0	723	25,254	0	25,977	0.1
Cement	81,196	0	0	0	0	0	0	81,196	0.3
Cement Clinker	120,567	0	0	0	0	0	0	120,567	0.4
Woodpulp	210,688	0	0	0	0	0	0	210,688	0.7
Newsprint and Paper Products	0	0	0	0	0	0	0	0	-
Syrup and Molasses	0	0	0	0	0	0	0	0	-
Sugar	653,988	0	0	0	0	0	0	653,988	2.3
Food Products	0	0	0	0	0	0	0	0	-
Furnace Slags	216,715	0	0	0	0	0	0	216,715	0.7
Scrap Iron and Steel	50,196	0	0	0	0	0	0	50,196	0.2
Other Manufactures and Misc. (1)	392,547	0	0	830	13,994	26,477	0	433,848	1.5
Total Manufactures and Misc.	4,236,193	0	0	830	14,725	2,118,245	427,368	6,797,361	23.5
GRAND TOTAL	16,927,793	214,728	9,188,854	7,826	15,208	2,118,663	427,368	28,900,440	100.0

(1) Includes unclassified cargoes

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2003**

TABLE M3 - Part A

MONTREAL-LAKE ONTARIO SECTION

NO.	COMMODITY	from:		UPBOUND TONNES				TOTAL UP-BOUND	% OF TOTAL UP-BOUND		
		to:		CANADA		UNITED STATES				FOREIGN	
		Canada	United States	Canada	United States	Canada	United States				
1	Wheat	0	0	0	0	0	0	0	-		
2	Corn	0	0	0	0	0	0	0	-		
3	Rye	0	0	0	0	0	0	0	-		
4	Oats	0	42,534	0	0	0	35,524	78,058	0.5		
5	Barley	0	0	0	0	0	0	0	-		
6	Canola (Rapeseed)	0	0	0	0	0	0	0	-		
7	Canola Meal, Pellets	0	0	0	0	0	0	0	-		
8	Flour, Wheat & Other Edible	0	0	0	0	0	0	0	-		
9	Soybeans	0	0	0	0	0	0	0	-		
10	Soybean Oil Cake, Meal, Pellets	0	0	0	0	0	0	0	-		
11	Beans and Peas	0	0	0	0	0	0	0	-		
12	Flaxseed	0	0	0	0	0	0	0	-		
13	Sunflower Seeds	0	0	0	0	0	0	0	-		
14	Other Agricultural Products	0	0	0	0	5,588	0	5,588	0.0		
15	Total Agricultural Products	0	42,534	0	0	5,588	35,524	83,646	0.5		
16	Packing House Products, Edible	0	0	0	0	0	0	0	-		
17	Hides, Skins, Pelts, Wool	0	0	0	0	0	0	0	-		
18	Other Animal Products	0	0	0	0	0	0	0	-		
19	Total Animal Products	0	0	0	0	0	0	0	-		
20	Bituminous Coal	0	0	0	0	0	0	0	-		
21	Coke	159,256	4,402	0	0	0	0	163,658	1.0		
22	Iron Ore	4,504,969	4,754,117	0	0	0	0	9,259,086	56.3		
23	Aluminum Ore and Concentrates	0	0	0	0	82,081	53,000	135,081	0.8		
24	Clay and Bentonite	0	0	0	0	0	4,645	4,645	0.0		
25	Gravel and Sand	0	0	0	0	550	2,500	3,050	0.0		
26	Stone	0	0	0	0	0	0	0	-		
27	Salt	183,980	0	0	0	0	5,299	189,279	1.2		
28	Potash	0	0	0	0	0	0	0	-		
29	Gypsum	651,952	0	0	0	0	0	651,952	4.0		
30	Asphalt	16,262	80,220	0	0	0	0	96,482	0.6		
31	Other Mine Products	38,458	49,221	0	0	194,578	138,114	420,371	2.6		
32	Total Mine Products	5,554,877	4,887,960	0	0	277,209	203,558	10,923,604	66.5		
33	Lumber	0	0	0	0	0	63,286	63,286	0.4		
34	Other Forest Products	0	0	0	0	0	418	418	0.0		
35	Total Forest Products	0	0	0	0	0	63,704	63,704	0.4		
36	Gasoline	491,391	0	9,583	0	101,946	0	602,920	3.7		
37	Fuel Oil	277,041	173,175	0	0	0	0	450,216	2.7		
38	Other Petroleum Products	24,737	0	32,780	0	2,723	0	60,240	0.4		
39	Chemicals	8,995	0	38,900	0	257,342	47,027	352,264	2.1		
40	Sodium Products	0	0	68,800	0	4,958	0	73,758	0.4		
41	Tar, Pitch and Creosote	0	0	0	0	0	0	0	-		
42	Pig Iron	3,020	88,194	0	0	0	87,890	179,104	1.1		
43	Iron & Steel	0	1,018	0	0	663,015	1,046,919	1,710,952	10.4		
44	Steel Slab	0	0	0	0	422,303	4,782	427,085	2.6		
45	Machinery and Machines	0	0	0	0	4,103	14,664	18,767	0.1		
46	Cement	0	0	0	0	0	0	0	-		
47	Cement Clinker	0	120,567	0	0	0	0	120,567	0.7		
48	Woodpulp	0	0	0	0	0	144,551	144,551	0.9		
49	Newsprint and Paper Products	0	0	0	0	0	0	0	-		
50	Syrup and Molasses	0	0	0	0	0	0	0	-		
51	Sugar	167,419	0	0	0	486,569	0	653,988	4.0		
52	Food Products	0	0	0	0	0	0	0	-		
53	Furnace Slags	0	62,882	0	0	0	129,521	192,403	1.2		
54	Scrap Iron and Steel	0	0	0	0	0	0	0	-		
55	Other Manufactures and Misc (1)	156,096	3,070	0	0	183,054	36,410	378,630	2.3		
56	Total Manufactures and Misc.	1,128,699	448,906	150,063	0	2,126,013	1,511,764	5,365,445	32.6		
57	GRAND TOTAL	6,683,576	5,379,400	150,063	0	2,408,810	1,814,550	16,436,399	100.0		

(1) Includes unclassified cargoes

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2003**

TABLE M3 - Part B

MONTREAL-LAKE ONTARIO SECTION

		DOWNBOUND TONNES						TOTAL DOWN- BOUND	% OF TOTAL DOWN- BOUND	GRAND TOTALS		NO.
from:	CANADA			UNITED STATES			TOTAL CARGO TONNES			% OF TOTAL		
to:	Canada	United States	Foreign	Canada	United States	Foreign						
		3,784,706	0	602,152	421,573	0	1,396,060	6,204,491	49.8	6,204,491	21.5	1
		5,399	0	0	423,307	0	136,690	565,396	4.5	565,396	2.0	2
		0	0	0	0	0	0	0	-	0	-	3
		0	0	0	0	0	0	0	-	78,058	0.3	4
		0	0	46,615	0	0	2,213	48,828	0.4	48,828	0.2	5
		7,998	0	270,594	0	0	0	278,592	2.2	278,592	1.0	6
		0	0	15,543	0	0	0	15,543	0.1	15,543	0.1	7
		0	0	0	0	0	0	0	-	0	-	8
		220,603	0	119,084	564,287	0	255,224	1,159,198	9.3	1,159,198	4.0	9
		6,702	0	0	0	0	0	6,702	0.1	6,702	0.0	10
		8,487	0	136,273	0	0	1,429	146,189	1.2	146,189	0.5	11
		10,710	0	444,078	0	0	48,860	503,648	4.0	503,648	1.7	12
		0	0	0	0	0	0	0	-	0	-	13
		0	0	61,145	0	0	128,060	189,205	1.5	189,205	0.7	14
		4,044,605	0	1,695,484	1,409,167	0	1,968,536	9,117,792	73.2	9,201,438	31.8	15
		0	0	0	0	0	0	0	-	0	-	16
		0	0	0	0	0	0	0	-	0	-	17
		0	0	31,849	0	0	0	31,849	0.3	31,849	0.1	18
		0	0	31,849	0	0	0	31,849	0.3	31,849	0.1	19
		0	0	0	214,728	0	0	214,728	1.7	214,728	0.7	20
		35,544	0	51,119	430,554	0	0	517,217	4.1	680,875	2.4	21
		0	0	0	0	0	0	0	-	9,259,086	32.0	22
		0	0	0	0	0	0	0	-	135,081	0.5	23
		0	0	0	0	0	104,840	104,840	0.8	109,485	0.4	24
		0	0	0	0	0	0	0	-	3,050	0.0	25
		272,054	0	0	0	0	0	272,054	2.2	272,054	0.9	26
		570,699	0	0	6,259	0	0	576,958	4.6	766,237	2.7	27
		40,058	0	58,950	0	0	0	99,008	0.8	99,008	0.3	28
		0	0	0	0	0	0	0	-	651,952	2.3	29
		6,849	0	0	37,870	0	0	44,719	0.4	141,201	0.5	30
		38,315	0	0	7,873	0	0	46,188	0.4	466,559	1.6	31
		963,519	0	110,069	697,284	0	104,840	1,875,712	15.0	12,799,316	44.3	32
		0	0	74	0	0	6,698	6,772	0.1	70,058	0.2	33
		0	0	0	0	0	0	0	-	418	0.0	34
		0	0	74	0	0	6,698	6,772	0.1	70,476	0.2	35
		0	0	0	0	0	0	0	-	602,920	2.1	36
		451,187	20,273	9,511	0	0	0	480,971	3.9	931,187	3.2	37
		5,464	0	25,074	0	0	0	30,538	0.2	90,778	0.3	38
		64,204	57,209	140,881	17,594	0	0	279,888	2.2	632,152	2.2	39
		0	0	0	0	0	0	0	-	73,758	0.3	40
		0	0	0	0	0	0	0	-	0	-	41
		0	0	0	0	0	0	0	-	179,104	0.6	42
		408	0	46,759	0	0	308,800	355,967	2.9	2,066,919	7.2	43
		0	0	283	0	0	0	283	0.0	427,368	1.5	44
		0	1,848	1,321	0	0	4,041	7,210	0.1	25,977	0.1	45
		81,196	0	0	0	0	0	81,196	0.7	81,196	0.3	46
		0	0	0	0	0	0	0	-	120,567	0.4	47
		0	0	37,845	0	0	28,292	66,137	0.5	210,688	0.7	48
		0	0	0	0	0	0	0	-	0	-	49
		0	0	0	0	0	0	0	-	0	-	50
		0	0	0	0	0	0	0	-	653,988	2.3	51
		0	0	0	0	0	0	0	-	0	-	52
		24,312	0	0	0	0	0	24,312	0.2	216,715	0.7	53
		50,196	0	0	0	0	0	50,196	0.4	50,196	0.2	54
		53,779	0	609	0	0	830	55,218	0.4	433,848	1.5	55
		730,746	79,330	262,283	17,594	0	341,963	1,431,916	11.5	6,797,361	23.5	56
		5,738,870	79,330	2,099,759	2,124,045	0	2,422,037	12,464,041	100.0	28,900,440	100.0	57

**TRAFFIC BY MONTH AND TYPE OF CARGO
2003**

TABLE M4

MONTREAL- LAKE ONTARIO SECTION

DIRECTION AND MONTH	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES								
	Loaded	Ballast	Total		Bulk	Coal	Grains	Govt. Aid	Con- tainers	General	Steel Slab	Total	%
UPBOUND:													
March	4	1	5	96,009	91,068	0	0	0	0	0	0	91,068	0.3
April	96	11	107	1,479,671	1,281,085	0	17,684	0	51	274,348	115,095	1,688,263	5.8
May	110	47	157	1,732,959	1,597,540	0	21,159	0	11	187,831	56,701	1,863,242	6.4
June	107	35	142	1,571,169	1,554,974	0	0	0	18	185,746	71,016	1,811,754	6.3
July	115	36	151	1,614,283	1,634,734	0	39,215	0	229	152,589	4	1,826,771	6.3
August	120	48	168	1,753,340	1,703,143	0	0	0	330	181,837	34,952	1,920,262	6.6
September	120	26	146	1,771,952	1,789,314	0	0	0	332	127,358	17,949	1,934,953	6.7
October	112	29	141	1,718,574	1,765,665	0	0	0	35	187,487	55,715	2,008,902	7.0
November	118	57	175	2,230,505	1,617,037	0	0	0	493	344,738	58,027	2,020,295	7.0
December	65	34	99	1,186,825	1,139,284	0	0	0	0	113,979	17,626	1,270,889	4.4
January	0	0	0	0	0	0	0	0	0	0	0	0	-
February	0	0	0	0	0	0	0	0	0	0	0	0	-
Total Upbound	967	324	1,291	15,155,287	14,173,844	0	78,058	0	1,499	1,755,913	427,085	16,436,399	56.9
DOWNBOUND:													
March	1	4	5	62,747	0	0	18,002	0	0	0	0	18,002	0.1
April	42	39	81	1,083,140	114,365	0	580,985	0	0	96,289	0	791,639	2.7
May	86	68	154	1,902,525	378,488	26,335	802,143	0	0	131,206	283	1,338,455	4.6
June	72	66	138	1,572,545	305,103	33,450	642,466	0	3,679	85,768	0	1,070,466	3.7
July	76	79	155	1,679,204	299,788	26,600	791,417	0	1,142	36,999	0	1,155,946	4.0
August	89	85	174	1,786,161	299,533	34,002	916,923	7,826	3,760	2,044	0	1,264,088	4.4
September	88	67	155	1,699,940	350,009	0	1,076,114	0	2,366	532	0	1,429,021	4.9
October	101	46	147	1,768,261	357,812	34,530	1,370,357	0	2,235	5,974	0	1,770,908	6.1
November	110	37	147	1,777,390	357,163	32,489	1,522,023	0	26	2,640	0	1,914,341	6.6
December	103	29	132	1,711,298	291,688	27,322	1,390,366	0	501	1,298	0	1,711,175	5.9
January	0	0	0	0	0	0	0	0	0	0	0	0	-
February	0	0	0	0	0	0	0	0	0	0	0	0	-
Total Downbound	768	520	1,288	15,043,211	2,753,949	214,728	9,110,796	7,826	13,709	362,750	283	12,464,041	43.1
TOTALS:													
March	5	5	10	158,756	91,068	0	18,002	0	0	0	0	109,070	0.4
April	138	50	188	2,562,811	1,395,450	0	598,669	0	51	370,637	115,095	2,479,902	8.6
May	196	115	311	3,635,484	1,976,028	26,335	823,302	0	11	319,037	56,984	3,201,697	11.1
June	179	101	280	3,143,714	1,860,077	33,450	642,466	0	3,697	271,514	71,016	2,882,220	10.0
July	191	115	306	3,293,487	1,934,522	26,600	830,632	0	1,371	189,588	4	2,982,717	10.3
August	209	133	342	3,539,501	2,002,676	34,002	916,923	7,826	4,090	183,881	34,952	3,184,350	11.0
September	208	93	301	3,471,892	2,139,323	0	1,076,114	0	2,698	127,890	17,949	3,363,974	11.6
October	213	75	288	3,486,835	2,123,477	34,530	1,370,357	0	2,270	193,461	55,715	3,779,810	13.1
November	228	94	322	4,007,895	1,974,200	32,489	1,522,023	0	519	347,378	58,027	3,934,636	13.6
December	168	63	231	2,898,123	1,430,972	27,322	1,390,366	0	501	115,277	17,626	2,982,064	10.3
January	0	0	0	0	0	0	0	0	0	0	0	0	-
February	0	0	0	0	0	0	0	0	0	0	0	0	-
GRAND TOTAL	1,735	844	2,579	30,198,498	16,927,793	214,728	9,188,854	7,826	15,208	2,118,663	427,368	28,900,440	100.0

**TRAFFIC RESULTS
1984 - 2003**

TABLE M5

MONTREAL-LAKE ONTARIO SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
1984	1,878	1,881	3,759	18,636,683	28,868,773	47,505,456	24,133,253	24,198,087	48,331,340
1985	1,538	1,550	3,088	14,825,309	22,496,389	37,321,698	19,348,019	19,581,652	38,929,671
1986	1,663	1,644	3,307	14,646,185	22,935,623	37,581,808	20,702,503	20,768,506	41,471,009
1987	1,614	1,613	3,227	16,810,464	23,158,151	39,968,615	20,135,888	20,350,874	40,486,762
1988	1,576	1,566	3,142	18,654,260	21,903,409	40,557,669	19,505,633	19,433,211	38,938,844
1989	1,375	1,393	2,768	17,527,216	19,543,154	37,070,370	17,388,156	17,751,692	35,139,848
1990	1,389	1,379	2,768	17,647,222	19,008,717	36,655,939	17,004,251	16,884,323	33,888,574
1991	1,432	1,427	2,859	12,980,554	21,929,889	34,910,443	17,749,725	17,645,476	35,395,201
1992	1,250	1,243	2,493	13,991,464	17,368,702	31,360,166	15,346,970	15,267,842	30,614,812
1993	1,149	1,156	2,305	17,026,988	14,943,483	31,970,471	14,996,361	15,041,759	30,038,120
1994	1,423	1,434	2,857	21,017,489	17,404,635	38,422,124	18,794,120	18,947,491	37,741,611
1995	1,392	1,385	2,777	17,352,381	21,332,380	38,684,761	18,986,120	18,963,526	37,949,646
1996	1,358	1,349	2,707	20,652,379	17,422,753	38,075,132	18,314,343	18,131,262	36,445,605
1997	1,401	1,408	2,809	18,853,653	18,047,570	36,901,223	18,471,686	18,533,642	37,005,328
1998	1,576	1,582	3,158	22,569,978	16,675,931	39,245,909	20,612,520	20,629,006	41,241,526
1999	1,590	1,578	3,168	19,594,116	16,817,495	36,411,611	18,687,785	18,663,440	37,351,225
2000	1,485	1,492	2,977	19,168,176	16,238,036	35,406,212	17,887,643	17,888,427	35,776,070
2001	1,293	1,295	2,588	15,583,223	14,694,601	30,277,824	15,173,745	15,097,139	30,270,884
2002	1,300	1,312	2,612	16,904,264	13,098,028	30,002,292	15,642,884	15,739,501	31,382,385
2003	1,291	1,288	2,579	16,436,399	12,464,041	28,900,440	15,155,287	15,043,211	30,198,498
TOTAL	28,973	28,975	57,948	350,878,403	376,351,760	727,230,163	364,036,892	364,560,067	728,596,959

**CARGO BY TARIFF CLASSIFICATION
1984 - 2003**

TABLE M6

MONTREAL-LAKE ONTARIO SECTION

YEAR	BULK		COAL		GRAINS		GOVT. AID		CONTAINERS		GENERAL		STEEL SLAB		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1984	18,835,140	39.6	N/A	-	23,500,719	49.5	231,107	0.5	140,684	0.3	4,797,806	10.1	N/A	-	47,505,456
1985	16,638,709	44.6	N/A	-	16,374,978	43.9	261,917	0.7	113,671	0.3	3,932,423	10.5	N/A	-	37,321,698
1986	16,988,516	45.2	N/A	-	16,354,059	43.5	227,670	0.6	59,943	0.2	3,951,620	10.5	N/A	-	37,581,808
1987	17,387,886	43.5	N/A	-	18,324,137	45.8	211,044	0.5	42,945	0.1	4,002,603	10.0	N/A	-	39,968,615
1988	20,396,561	50.3	N/A	-	15,468,940	38.1	87,456	0.2	38,853	0.1	4,565,859	11.3	N/A	-	40,557,669
1989	21,010,319	56.7	N/A	-	11,448,020	30.9	168,750	0.5	31,728	0.1	4,411,553	11.9	N/A	-	37,070,370
1990	20,562,535	56.1	N/A	-	12,229,063	33.4	87,737	0.2	23,918	0.1	3,752,686	10.2	N/A	-	36,655,939
1991	15,771,687	45.2	N/A	-	15,444,845	44.2	159,449	0.5	20,472	0.1	3,513,990	10.1	N/A	-	34,910,443
1992	15,712,016	50.1	N/A	-	12,245,314	39.0	89,273	0.3	23,577	0.1	3,289,986	10.5	N/A	-	31,360,166
1993	16,671,366	52.1	N/A	-	10,852,996	33.9	54,905	0.2	29,636	0.1	4,361,568	13.6	N/A	-	31,970,471
1994	18,104,743	47.1	N/A	-	13,245,446	34.5	54,768	0.1	16,923	0.0	7,000,244	18.2	N/A	-	38,422,124
1995	19,320,911	49.9	N/A	-	14,587,031	37.7	35,964	0.1	25,060	0.1	4,715,795	12.2	N/A	-	38,684,761
1996	19,864,497	52.2	N/A	-	12,303,449	32.3	0	-	15,075	0.0	5,892,111	15.5	N/A	-	38,075,132
1997	18,294,915	49.6	N/A	-	13,482,327	36.5	0	-	11,816	0.0	5,112,165	13.9	N/A	-	36,901,223
1998	19,243,487	49.0	N/A	-	12,963,846	33.0	30,828	0.1	5,211	0.0	7,002,537	17.8	N/A	-	39,245,909
1999	17,923,481	49.2	266,364	0.7	13,552,844	37.2	80,692	0.2	11,573	0.0	4,164,599	11.4	412,058	1.1	36,411,611
2000	17,474,021	49.4	334,489	0.9	12,503,515	35.3	9,655	0.0	19,521	0.1	4,703,411	13.3	361,600	1.0	35,406,212
2001	15,687,342	51.8	407,336	1.3	11,161,951	36.9	0	-	16,471	0.1	2,620,642	8.7	384,082	1.3	30,277,824
2002	15,604,029	52.0	336,425	1.1	9,863,912	32.9	25,834	0.1	14,721	0.0	3,019,259	10.1	1,138,112	3.8	30,002,292
2003	16,927,793	58.6	214,728	0.7	9,188,854	31.8	7,826	0.0	15,208	0.1	2,118,663	7.3	427,368	1.5	28,900,440
TOTAL	358,419,954	49.3	1,559,342	0.2	275,096,246	37.8	1,824,875	0.3	677,006	0.1	86,929,520	12.0	2,723,220	0.4	727,230,163

**VESSEL TRANSITS
1984 - 2003**

TABLE M7

MONTREAL-LAKE ONTARIO SECTION

YEAR	UPBOUND				DOWNBOUND				TOTAL			
	CARGO TONNES	TRANSITS			CARGO TONNES	TRANSITS			CARGO TONNES	TRANSITS		
		Loaded	Ballast	Total		Loaded	Ballast	Total		Loaded	Ballast	Total
1984	18,636,683	1,119	759	1,878	28,868,773	1,694	187	1,881	47,505,456	2,813	946	3,759
1985	14,825,309	924	614	1,538	22,496,389	1,361	189	1,550	37,321,698	2,285	803	3,088
1986	14,646,185	971	692	1,663	22,935,623	1,404	240	1,644	37,581,808	2,375	932	3,307
1987	16,810,464	1,054	560	1,614	23,158,151	1,313	300	1,613	39,968,615	2,367	860	3,227
1988	18,654,260	1,131	445	1,576	21,903,409	1,251	315	1,566	40,557,669	2,382	760	3,142
1989	17,527,216	995	380	1,375	19,543,154	1,150	243	1,393	37,070,370	2,145	623	2,768
1990	17,647,222	999	390	1,389	19,008,717	1,105	274	1,379	36,655,939	2,104	664	2,768
1991	12,980,554	791	641	1,432	21,929,889	1,220	207	1,427	34,910,443	2,011	848	2,859
1992	13,991,464	834	416	1,250	17,368,702	1,006	237	1,243	31,360,166	1,840	653	2,493
1993	17,026,988	951	198	1,149	14,943,483	857	299	1,156	31,970,471	1,808	497	2,305
1994	21,017,489	1,170	253	1,423	17,404,635	1,001	433	1,434	38,422,124	2,171	686	2,857
1995	17,352,381	931	461	1,392	21,332,380	1,139	246	1,385	38,684,761	2,070	707	2,777
1996	20,652,379	1,109	249	1,358	17,422,753	987	362	1,349	38,075,132	2,096	611	2,707
1997	18,853,653	1,076	325	1,401	18,047,570	1,007	401	1,408	36,901,223	2,083	726	2,809
1998	22,569,978	1,309	267	1,576	16,675,931	1,001	581	1,582	39,245,909	2,310	848	3,158
1999	19,594,116	1,166	424	1,590	16,817,495	987	591	1,578	36,411,611	2,153	1,015	3,168
2000	19,168,176	1,145	340	1,485	16,238,036	994	498	1,492	35,406,212	2,139	838	2,977
2001	15,583,223	971	322	1,293	14,694,601	896	399	1,295	30,277,824	1,867	721	2,588
2002	16,904,264	1,022	278	1,300	13,098,028	796	516	1,312	30,002,292	1,818	794	2,612
2003	16,436,399	967	324	1,291	12,464,041	768	520	1,288	28,900,440	1,735	844	2,579
TOTAL	350,878,403	20,635	8,338	28,973	376,351,760	21,937	7,038	28,975	727,230,163	42,572	15,376	57,948

**COMMODITY GROUPS
1984 - 2003**

TABLE M8

MONTREAL-LAKE ONTARIO SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1984	23,649,862	49.8	85,109	0.2	14,802,071	31.2	70,517	0.1	8,897,897	18.7	47,505,456
1985	16,486,803	44.2	90,157	0.2	12,491,239	33.5	33,555	0.1	8,219,944	22.0	37,321,698
1986	16,490,065	43.9	67,872	0.2	12,253,937	32.6	7,375	0.0	8,762,559	23.3	37,581,808
1987	18,454,108	46.2	54,982	0.1	13,219,140	33.1	10,987	0.0	8,229,398	20.6	39,968,615
1988	15,545,348	38.3	73,483	0.2	16,220,120	40.0	30,228	0.1	8,688,490	21.4	40,557,669
1989	11,669,000	31.5	71,394	0.2	16,774,670	45.3	47,967	0.1	8,507,339	22.9	37,070,370
1990	12,387,373	33.8	45,992	0.1	16,543,066	45.1	64,676	0.2	7,614,832	20.8	36,655,939
1991	15,532,704	44.5	51,270	0.1	12,362,544	35.4	27,619	0.1	6,936,306	19.9	34,910,443
1992	12,242,050	39.0	83,637	0.3	12,714,825	40.5	13,112	0.0	6,306,542	20.1	31,360,166
1993	10,915,255	34.1	50,028	0.2	13,746,322	43.0	8,283	0.0	7,250,583	22.7	31,970,471
1994	13,280,877	34.6	73,055	0.2	15,032,373	39.1	7,123	0.0	10,028,696	26.1	38,422,124
1995	14,598,465	37.7	100,300	0.3	16,498,831	42.6	1,696	0.0	7,485,469	19.3	38,684,761
1996	12,294,655	32.3	35,984	0.1	16,655,651	43.7	3,411	0.0	9,085,431	23.9	38,075,132
1997	13,491,031	36.6	32,732	0.1	14,676,645	39.8	11,761	0.0	8,689,054	23.5	36,901,223
1998	12,964,357	33.0	34,885	0.1	14,724,161	37.5	1,456	0.0	11,521,050	29.4	39,245,909
1999	13,637,630	37.5	35,318	0.1	14,239,776	39.1	1,526	0.0	8,497,361	23.3	36,411,611
2000	12,513,041	35.3	38,240	0.1	13,978,179	39.5	7,477	0.0	8,869,275	25.1	35,406,212
2001	11,170,044	36.9	25,452	0.1	12,104,055	40.0	21,183	0.1	6,957,090	23.0	30,277,824
2002	9,889,299	33.0	31,251	0.1	11,933,604	39.8	98,953	0.3	8,049,185	26.8	30,002,292
2003	9,201,438	31.8	31,849	0.1	12,799,316	44.3	70,476	0.2	6,797,361	23.5	28,900,440
TOTAL	276,413,405	38.0	1,112,990	0.2	283,770,525	39.0	539,381	0.1	165,393,862	22.7	727,230,163

**U.S. GRAINS
1984 - 2003**

TABLE M9

MONTREAL-LAKE ONTARIO SECTION

YEAR	WHEAT		CORN		RYE & OATS		CANOLA		BARLEY		SOYBEANS		FLAXSEED		ALL OTHER U.S. GRAINS		TOTAL U.S. GRAINS
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	TONNES
1984	3,124,417	40.9	2,257,653	29.5	11,453	0.1	N/A	-	608,831	8.0	826,106	10.8	5,180	0.1	814,086	10.6	7,647,726
1985	1,958,906	38.6	1,938,864	38.2	0	-	N/A	-	132,080	2.6	660,270	13.0	0	-	391,183	7.7	5,081,303
1986	2,324,945	49.7	692,382	14.8	5,500	0.1	N/A	-	332,051	7.1	1,041,258	22.3	31,504	0.7	249,633	5.3	4,677,273
1987	1,703,876	33.3	1,718,123	33.6	19,458	0.4	N/A	-	464,631	9.1	1,018,785	19.9	0	-	194,871	3.8	5,119,744
1988	2,046,771	37.1	2,022,111	36.7	10,410	0.2	N/A	-	599,748	10.9	597,140	10.8	0	-	239,415	4.3	5,515,595
1989	2,203,974	38.1	1,959,943	33.9	7,704	0.1	N/A	-	939,432	16.2	625,055	10.8	0	-	51,035	0.9	5,787,143
1990	1,871,197	47.0	1,018,239	25.6	0	-	N/A	-	846,871	21.3	234,925	5.9	0	-	11,965	0.3	3,983,197
1991	1,331,577	39.3	993,198	29.3	0	-	N/A	-	533,535	15.7	365,474	10.8	0	-	164,731	4.9	3,388,515
1992	1,586,460	35.0	873,917	19.3	0	-	N/A	-	1,052,638	23.2	917,778	20.2	0	-	102,199	2.3	4,532,992
1993	2,087,128	45.9	1,132,499	24.9	0	-	N/A	-	657,582	14.4	578,188	12.7	0	-	95,754	2.1	4,551,151
1994	1,533,046	29.3	865,693	16.6	0	-	N/A	-	1,130,725	21.6	1,484,285	28.4	0	-	213,825	4.1	5,227,574
1995	2,971,424	40.9	2,152,244	29.6	1,900	0.0	N/A	-	173,287	2.4	1,624,272	22.4	0	-	337,135	4.6	7,260,262
1996	2,718,233	46.1	1,083,567	18.4	11,777	0.2	N/A	-	54,725	0.9	1,992,116	33.8	0	-	41,910	0.7	5,902,328
1997	1,694,195	37.1	420,803	9.2	0	-	N/A	-	576,832	12.6	1,816,377	39.8	0	-	56,354	1.2	4,564,561
1998	2,063,314	33.7	1,903,585	31.1	0	-	N/A	-	46,303	0.8	1,685,201	27.5	8,856	0.1	411,646	6.7	6,118,905
1999	1,625,184	24.6	2,632,760	39.8	0	-	0	-	42,557	0.6	2,140,080	32.4	0	-	166,725	2.5	6,607,306
2000	2,012,948	35.2	1,548,581	27.1	0	-	0	-	93,785	1.6	1,880,086	32.9	31,084	0.5	152,595	2.7	5,719,079
2001	2,098,403	41.8	1,146,924	22.8	20,959	0.4	0	-	24,960	0.5	1,467,067	29.2	56,728	1.1	205,276	4.1	5,020,317
2002	1,864,851	44.1	717,870	17.0	0	-	0	-	24,451	0.6	1,438,093	34.0	69,736	1.6	112,496	2.7	4,227,497
2003	1,810,637	53.7	559,997	16.6	0	-	0	-	2,213	0.1	819,511	24.3	48,860	1.4	129,489	3.8	3,370,707
TOTAL	40,631,486	39.0	27,638,953	26.5	89,161	0.1	0	-	8,337,237	8.0	23,212,067	22.3	251,948	0.2	4,142,323	4.0	104,303,175

**CANADIAN GRAINS
1984 - 2003**

TABLE M10

MONTREAL-LAKE ONTARIO SECTION

YEAR	WHEAT		CORN		RYE & OATS		CANOLA		BARLEY		SOYBEANS		FLAXSEED		ALL OTHER CDN. GRAINS		TOTAL CDN. GRAINS
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	TONNES
1984	12,813,292	80.8	516,774	3.3	62,835	0.4	N/A	-	1,788,891	11.3	72,408	0.5	227,519	1.4	371,200	2.3	15,852,919
1985	9,543,110	84.5	570,008	5.0	36,143	0.3	N/A	-	554,518	4.9	76,320	0.7	339,500	3.0	173,673	1.5	11,293,272
1986	8,845,790	75.8	358,788	3.1	100,362	0.9	N/A	-	1,579,297	13.5	148,087	1.3	370,568	3.2	273,722	2.3	11,676,614
1987	10,855,319	82.2	398,976	3.0	121,893	0.9	N/A	-	957,375	7.3	85,602	0.6	374,843	2.8	410,385	3.1	13,204,393
1988	8,531,550	85.7	210,549	2.1	38,121	0.4	N/A	-	515,792	5.2	118,464	1.2	258,288	2.6	280,581	2.8	9,953,345
1989	4,836,888	84.8	89,983	1.6	36,204	0.6	N/A	-	290,205	5.1	51,343	0.9	236,815	4.2	161,650	2.8	5,703,088
1990	7,405,022	89.8	187,804	2.3	11,313	0.1	N/A	-	278,472	3.4	37,939	0.5	165,696	2.0	159,602	1.9	8,245,848
1991	10,885,314	90.4	510,424	4.2	2,453	0.0	N/A	-	130,672	1.1	103,938	0.9	171,718	1.4	236,847	2.0	12,041,366
1992	6,538,222	85.0	173,490	2.3	8,801	0.1	N/A	-	114,808	1.5	172,710	2.2	151,311	2.0	534,510	6.9	7,693,852
1993	4,728,825	75.0	43,730	0.7	14,278	0.2	N/A	-	38,974	0.6	216,157	3.4	254,058	4.0	1,006,252	16.0	6,302,274
1994	5,133,605	64.0	172,995	2.2	27,355	0.3	N/A	-	140,140	1.7	368,328	4.6	439,356	5.5	1,736,093	21.7	8,017,872
1995	5,119,158	69.9	106,927	1.5	1,330	0.0	N/A	-	32,954	0.4	401,164	5.5	432,596	5.9	1,232,602	16.8	7,326,731
1996	4,208,814	66.1	126,825	2.0	22,400	0.4	N/A	-	366,280	5.8	325,244	5.1	359,269	5.6	956,471	15.0	6,365,303
1997	7,025,506	79.1	8,614	0.1	14,956	0.2	N/A	-	111,791	1.3	336,182	3.8	462,489	5.2	921,823	10.4	8,881,361
1998	4,588,263	68.1	46,054	0.7	3,168	0.0	N/A	-	31,946	0.5	366,538	5.4	491,617	7.3	1,207,790	17.9	6,735,376
1999	4,742,337	68.5	394,025	5.7	8,482	0.1	243,358	3.5	85,495	1.2	384,012	5.5	221,353	3.2	848,876	12.3	6,927,938
2000	4,511,696	66.5	155,668	2.3	11,679	0.2	274,822	4.1	5,749	0.1	304,019	4.5	458,601	6.8	1,062,202	15.7	6,784,436
2001	4,380,974	71.8	54,660	0.9	9,407	0.2	321,964	5.3	32,908	0.5	231,211	3.8	475,014	7.8	599,723	9.8	6,105,861
2002	3,993,735	71.8	97,757	1.8	32,344	0.6	210,181	3.8	115,963	2.1	391,679	7.0	534,353	9.6	182,779	3.3	5,558,791
2003	4,386,858	75.9	5,399	0.1	42,534	0.7	278,592	4.8	46,615	0.8	339,687	5.9	454,788	7.9	228,150	3.9	5,782,623
TOTAL	133,074,278	78.1	4,229,450	2.5	606,058	0.4	1,328,917	0.8	7,218,845	4.2	4,531,032	2.7	6,879,752	4.0	12,584,931	7.4	170,453,263

**SELECTED MINING COMMODITIES
1984 - 2003**

TABLE M11

MONTREAL-LAKE ONTARIO SECTION

YEAR	COAL		COKE		IRON ORE		CLAY & BENTONITE		GRAVEL & SAND		STONE		SALT		OTHER MINING		TOTAL MINING TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1984	452,898	3.1	793,112	5.4	11,421,521	77.2	157,206	1.1	6,992	0.0	117,233	0.8	818,931	5.5	1,034,178	7.0	14,802,071
1985	607,108	4.9	802,266	6.4	8,679,210	69.5	162,410	1.3	1	0.0	258,745	2.1	657,494	5.3	1,324,005	10.6	12,491,239
1986	609,619	5.0	867,412	7.1	8,026,080	65.5	161,366	1.3	16,009	0.1	272,148	2.2	874,520	7.1	1,426,783	11.6	12,253,937
1987	233,756	1.8	654,432	5.0	9,557,376	72.3	164,766	1.2	0	-	231,658	1.8	928,559	7.0	1,448,593	11.0	13,219,140
1988	712,945	4.4	1,466,718	9.0	10,810,682	66.6	240,823	1.5	0	-	432,411	2.7	1,027,602	6.3	1,528,939	9.4	16,220,120
1989	776,999	4.6	1,272,068	7.6	11,185,264	66.7	215,214	1.3	0	-	448,647	2.7	1,377,273	8.2	1,499,205	8.9	16,774,670
1990	489,355	3.0	946,154	5.7	11,527,835	69.7	229,581	1.4	0	-	715,617	4.3	1,183,829	7.2	1,450,695	8.8	16,543,066
1991	591,980	4.8	503,410	4.1	8,455,027	68.4	151,485	1.2	0	-	598,944	4.8	1,029,814	8.3	1,031,884	8.3	12,362,544
1992	336,327	2.6	705,253	5.5	8,727,467	68.6	145,918	1.1	0	-	561,300	4.4	965,099	7.6	1,273,461	10.0	12,714,825
1993	242,958	1.8	846,742	6.2	9,963,598	72.5	171,967	1.3	26,000	0.2	811,602	5.9	651,414	4.7	1,032,041	7.5	13,746,322
1994	535,301	3.6	634,407	4.2	11,047,880	73.5	183,725	1.2	0	-	735,214	4.9	706,190	4.7	1,189,656	7.9	15,032,373
1995	942,386	5.7	886,224	5.4	10,959,374	66.4	231,066	1.4	0	-	808,074	4.9	1,449,077	8.8	1,222,630	7.4	16,498,831
1996	508,129	3.1	804,960	4.8	11,596,270	69.6	221,755	1.3	22,675	0.1	763,123	4.6	1,449,578	8.7	1,289,161	7.7	16,655,651
1997	534,507	3.6	775,129	5.3	10,121,109	69.0	254,791	1.7	20,037	0.1	400,683	2.7	1,227,534	8.4	1,342,855	9.1	14,676,645
1998	191,356	1.3	624,131	4.2	11,104,515	75.4	250,534	1.7	0	-	559,951	3.8	732,983	5.0	1,260,691	8.6	14,724,161
1999	266,364	1.9	566,637	4.0	10,686,169	75.0	176,461	1.2	21,010	0.1	313,953	2.2	745,098	5.2	1,464,084	10.3	14,239,776
2000	334,489	2.4	931,110	6.7	10,167,877	72.7	161,835	1.2	4,072	0.0	359,032	2.6	657,137	4.7	1,362,627	9.7	13,978,179
2001	407,336	3.4	753,722	6.2	8,386,036	69.3	84,269	0.7	12,982	0.1	299,277	2.5	891,450	7.4	1,268,983	10.5	12,104,055
2002	336,425	2.8	847,622	7.1	8,166,897	68.4	110,613	0.9	24,405	0.2	323,541	2.7	853,795	7.2	1,270,306	10.6	11,933,604
2003	214,728	1.7	680,875	5.3	9,259,086	72.3	109,485	0.9	3,050	0.0	272,054	2.1	766,237	6.0	1,493,801	11.7	12,799,316
TOTAL	9,324,966	3.3	16,362,384	5.8	199,849,273	70.4	3,585,270	1.3	157,233	0.1	9,283,207	3.3	18,993,614	6.7	26,214,578	9.2	283,770,525

**SELECTED PROCESSED COMMODITIES
1984 - 2003**

TABLE M12

MONTREAL-LAKE ONTARIO SECTION

YEAR	GASOLINE		FUEL OIL		CHEMICALS		SODIUM PRODUCTS		PIG IRON		MANUFACTURED IRON & STEEL (1)		CEMENT		SCRAP IRON & STEEL		OTHER PROCESSED	
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%
1984	237,388	2.7	745,378	8.4	748,700	8.4	99,951	1.1	243,817	2.7	4,453,231	50.0	10	0.0	303,619	3.4	2,065,803	23.2
1985	111,419	1.4	558,770	6.8	751,092	9.1	126,246	1.5	103,610	1.3	3,603,221	43.8	175,111	2.1	635,622	7.7	2,154,853	26.2
1986	206,107	2.4	641,156	7.3	869,268	9.9	171,615	2.0	96,925	1.1	3,548,802	40.5	152,616	1.7	740,276	8.4	2,335,794	26.7
1987	167,472	2.0	481,049	5.8	812,778	9.9	135,308	1.6	124,355	1.5	3,614,403	43.9	242,758	2.9	344,352	4.2	2,306,923	28.0
1988	248,120	2.9	879,438	10.1	1,036,759	11.9	125,032	1.4	93,248	1.1	4,316,733	49.7	32,101	0.4	369,397	4.3	1,587,662	18.3
1989	485,319	5.7	569,627	6.7	819,447	9.6	86,287	1.0	70,938	0.8	4,186,116	49.2	27,463	0.3	320,630	3.8	1,941,512	22.8
1990	481,265	6.3	890,612	11.7	817,062	10.7	105,284	1.4	67,942	0.9	3,607,475	47.4	28,431	0.4	233,668	3.1	1,383,093	18.2
1991	378,315	5.5	866,101	12.5	568,383	8.2	78,479	1.1	37,505	0.5	3,438,134	49.6	340,350	4.9	137,600	2.0	1,091,439	15.7
1992	362,649	5.8	615,685	9.8	565,561	9.0	95,345	1.5	72,934	1.2	3,119,218	49.5	114,841	1.8	112,810	1.8	1,247,499	19.8
1993	295,003	4.1	591,868	8.2	684,411	9.4	153,043	2.1	59,313	0.8	4,138,812	57.1	16,343	0.2	109,631	1.5	1,202,159	16.6
1994	462,198	4.6	839,482	8.4	415,570	4.1	156,233	1.6	87,748	0.9	6,766,616	67.5	0	-	46,254	0.5	1,254,595	12.5
1995	245,777	3.3	703,107	9.4	520,757	7.0	124,573	1.7	141,342	1.9	4,528,312	60.5	0	-	149,854	2.0	1,071,747	14.3
1996	341,420	3.8	695,658	7.7	512,731	5.6	92,129	1.0	171,740	1.9	5,687,894	62.6	16,180	0.2	42,768	0.5	1,524,911	16.8
1997	204,185	2.3	795,854	9.2	454,874	5.2	119,691	1.4	221,101	2.5	4,879,709	56.2	63,182	0.7	181,502	2.1	1,768,956	20.4
1998	372,054	3.2	1,086,624	9.4	677,309	5.9	126,097	1.1	272,545	2.4	6,909,049	60.0	38,869	0.3	80,847	0.7	1,957,656	17.0
1999	331,133	3.9	782,463	9.2	405,651	4.8	148,298	1.7	306,157	3.6	4,317,382	50.8	11,415	0.1	96,160	1.1	2,098,702	24.7
2000	376,158	4.2	674,597	7.6	546,984	6.2	150,169	1.7	212,512	2.4	4,881,723	55.0	30,865	0.3	37,787	0.4	1,958,480	22.1
2001	695,875	10.0	826,001	11.9	502,435	7.2	84,617	1.2	219,545	3.2	2,896,389	41.6	8,810	0.1	0	-	1,723,418	24.8
2002	722,291	9.0	454,928	5.7	557,911	6.9	76,218	0.9	232,784	2.9	4,067,662	50.5	86,187	1.1	55,833	0.7	1,795,371	22.3
2003	602,920	8.9	931,187	13.7	632,152	9.3	73,758	1.1	179,104	2.6	2,494,287	36.7	81,196	1.2	50,196	0.7	1,752,561	25.8
TOTAL	7,327,068	4.4	14,629,585	8.8	12,899,835	7.8	2,328,373	1.4	3,015,165	1.8	85,455,168	51.7	1,466,728	0.9	4,048,806	2.4	34,223,134	20.7

(1) Includes Steel Slab

PART IV

ST. LAWRENCE SEAWAY

TOLL TRAFFIC

FOR THE

WELLAND CANAL SECTION

**TRAFFIC BY CLASS AND TYPE OF VESSEL
2003**

TABLE W1

WELLAND CANAL SECTION

CLASS AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES								
	Loaded	Ballast	Total		Bulk	Coal	Grains	Govt. Aid	Con-tainers	General	Steel Slab	Total	%
UPBOUND:													
Ocean: Cargo	192	100	292	4,443,872	880,178	0	35,524	0	290	1,348,854	4,782	2,269,628	7.1
Barge	0	0	0	0	0	0	0	0	0	0	0	0	-
Tanker	23	16	39	328,133	188,920	0	0	0	0	0	0	188,920	0.6
Total Ocean	215	116	331	4,772,005	1,069,098	0	35,524	0	290	1,348,854	4,782	2,458,548	7.7
Laker: Cargo	403	314	717	11,326,263	8,145,431	0	53,683	0	0	0	0	8,199,114	25.7
Barge	79	67	146	965,594	897,353	0	0	0	0	3,070	0	900,423	2.8
Tanker	18	35	53	323,443	139,554	0	0	0	0	0	0	139,554	0.4
Total Laker	500	416	916	12,615,300	9,182,338	0	53,683	0	0	3,070	0	9,239,091	29.0
Non-Cargo	0	250	250	111,386	0	0	0	0	0	0	0	0	-
Passenger	10	5	15	26,794	0	0	0	0	0	0	0	0	-
Total Upbound	725	787	1,512	17,525,485	10,251,436	0	89,207	0	290	1,351,924	4,782	11,697,639	36.7
DOWNBOUND:													
Ocean: Cargo	274	18	292	4,443,870	389,148	0	3,619,807	7,826	501	330,640	0	4,347,922	13.6
Barge	0	0	0	0	0	0	0	0	0	0	0	0	-
Tanker	21	18	39	328,133	136,223	0	0	0	0	0	0	136,223	0.4
Total Ocean	295	36	331	4,772,003	525,371	0	3,619,807	7,826	501	330,640	0	4,484,145	14.1
Laker: Cargo	617	99	716	11,283,558	5,114,481	4,196,191	5,511,066	0	0	0	0	14,821,738	46.5
Barge	71	74	145	956,714	419,818	0	122,351	0	0	0	0	542,169	1.7
Tanker	42	12	54	327,347	324,775	0	0	0	0	0	0	324,775	1.0
Total Laker	730	185	915	12,567,619	5,859,074	4,196,191	5,633,417	0	0	0	0	15,688,682	49.2
Non-Cargo	0	255	255	111,672	0	0	0	0	0	0	0	0	-
Passenger	11	3	14	27,355	0	0	0	0	0	0	0	0	-
Total Downbound	1,036	479	1,515	17,478,649	6,384,445	4,196,191	9,253,224	7,826	501	330,640	0	20,172,827	63.3
TOTALS:													
Ocean: Cargo	466	118	584	8,887,742	1,269,326	0	3,655,331	7,826	791	1,679,494	4,782	6,617,550	20.8
Barge	0	0	0	0	0	0	0	0	0	0	0	0	-
Tanker	44	34	78	656,266	325,143	0	0	0	0	0	0	325,143	1.0
Total Ocean	510	152	662	9,544,008	1,594,469	0	3,655,331	7,826	791	1,679,494	4,782	6,942,693	21.8
Laker: Cargo	1,020	413	1,433	22,609,821	13,259,912	4,196,191	5,564,749	0	0	0	0	23,020,852	72.2
Barge	150	141	291	1,922,308	1,317,171	0	122,351	0	0	3,070	0	1,442,592	4.5
Tanker	60	47	107	650,790	464,329	0	0	0	0	0	0	464,329	1.5
Total Laker	1,230	601	1,831	25,182,919	15,041,412	4,196,191	5,687,100	0	0	3,070	0	24,927,773	78.2
Non-Cargo	0	505	505	223,058	0	0	0	0	0	0	0	0	-
Passenger	21	8	29	54,149	0	0	0	0	0	0	0	0	-
GRAND TOTAL	1,761	1,266	3,027	35,004,134	16,635,881	4,196,191	9,342,431	7,826	791	1,682,564	4,782	31,870,466	100.0

**TRAFFIC BY CLASSIFICATION AND TYPE OF CARGO
2003**

TABLE W2

WELLAND CANAL SECTION

COMMODITY	CARGO TONNES								% of Total
	Bulk	Coal	Grains	Govt. Aid	Con-tainer	General	Steel Slab	Total	
Wheat	0	0	5,985,263	6,996	0	0	0	5,992,259	18.8
Corn	0	0	891,216	0	0	0	0	891,216	2.8
Rye	0	0	0	0	0	0	0	0	-
Oats	0	0	78,058	0	0	0	0	78,058	0.2
Barley	0	0	48,828	0	0	0	0	48,828	0.2
Canola (Rapeseed)	0	0	278,592	0	0	0	0	278,592	0.9
Canola Meal, Pellets	0	0	15,543	0	0	0	0	15,543	0.0
Flour, Wheat & Other Edible	0	0	0	0	0	0	0	0	-
Soybeans	0	0	1,203,611	0	0	0	0	1,203,611	3.8
Soybean Oil Cake, Meal, Pellets	0	0	6,702	0	0	0	0	6,702	0.0
Beans and Peas	0	0	146,189	0	0	0	0	146,189	0.5
Flaxseed	0	0	503,648	0	0	0	0	503,648	1.6
Sunflower Seeds	0	0	0	0	0	0	0	0	-
Other Agricultural Products	0	0	184,781	0	0	0	0	184,781	0.6
Total Agricultural Products	0	0	9,342,431	6,996	0	0	0	9,349,427	29.3
Packing House Products, Edible	0	0	0	0	0	0	0	0	-
Hides, Skins, Pelts, Wool	0	0	0	0	0	0	0	0	-
Other Animal Products	0	0	0	0	0	0	0	0	-
Total Animal Products	0	0	0	0	0	0	0	0	-
Bituminous Coal	0	4,196,191	0	0	0	0	0	4,196,191	13.2
Coke	1,004,157	0	0	0	0	0	0	1,004,157	3.2
Iron Ore	6,560,453	0	0	0	0	0	0	6,560,453	20.6
Aluminum Ore and Concentrates	85,061	0	0	0	0	0	0	85,061	0.3
Clay and Bentonite	109,485	0	0	0	0	0	0	109,485	0.3
Gravel and Sand	210,126	0	0	0	0	0	0	210,126	0.7
Stone	799,893	0	0	0	0	0	0	799,893	2.5
Salt	2,070,106	0	0	0	0	0	0	2,070,106	6.5
Potash	131,629	0	0	0	0	0	0	131,629	0.4
Gypsum	0	0	0	0	0	0	0	0	-
Asphalt	158,213	0	0	0	0	0	0	158,213	0.5
Other Mine Products	311,808	0	0	0	0	0	0	311,808	1.0
Total Mine Products	11,440,931	4,196,191	0	0	0	0	0	15,637,122	49.1
Lumber	69,984	0	0	0	0	0	0	69,984	0.2
Other Forest Products	0	0	0	0	0	418	0	418	0.0
Total Forest Products	69,984	0	0	0	0	418	0	70,402	0.2
Gasoline	158,411	0	0	0	0	0	0	158,411	0.5
Fuel Oil	570,348	0	0	0	0	0	0	570,348	1.8
Other Petroleum Products	30,586	0	0	0	0	0	0	30,586	0.1
Chemicals	436,375	0	0	0	8	3	0	436,386	1.4
Sodium Products	68,800	0	0	0	0	0	0	68,800	0.2
Tar, Pitch and Creosote	31,634	0	0	0	0	0	0	31,634	0.1
Pig Iron	177,603	0	0	0	0	0	0	177,603	0.6
Iron and Steel	0	0	0	0	0	1,647,866	0	1,647,866	5.2
Steel Slab	0	0	0	0	0	0	4,782	4,782	0.0
Machinery and Machines	378	0	0	0	695	18,434	0	19,507	0.1
Cement	1,297,109	0	0	0	0	0	0	1,297,109	4.1
Cement Clinker	1,246,303	0	0	0	0	0	0	1,246,303	3.9
Woodpulp	210,688	0	0	0	0	0	0	210,688	0.7
Newsprint and Paper Products	0	0	0	0	0	0	0	0	-
Syrup and Molasses	0	0	0	0	0	0	0	0	-
Sugar	0	0	0	0	0	0	0	0	-
Food Products	0	0	0	0	0	0	0	0	-
Furnace Slags	738,501	0	0	0	0	0	0	738,501	2.3
Scrap Iron and Steel	134,222	0	0	0	0	0	0	134,222	0.4
Other Manufactures and Misc. (1)	24,008	0	0	830	88	15,843	0	40,769	0.1
Total Manufactures and Misc.	5,124,966	0	0	830	791	1,682,146	4,782	6,813,515	21.4
GRAND TOTAL	16,635,881	4,196,191	9,342,431	7,826	791	1,682,564	4,782	31,870,466	100.0

(1) Includes unclassified cargoes

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2003**

TABLE W3 - Part A

WELLAND CANAL SECTION

NO.	COMMODITY	from:		UPBOUND TONNES				TOTAL UPBOUND	% OF TOTAL UP-BOUN		
		to:		CANADA		UNITED STATES				FOREIGN	
		Canada	United States	Canada	United States	Canada	United States				
1	Wheat	0	11,149	0	0	0	0	11,149	0.1		
2	Corn	0	0	0	0	0	0	0	-		
3	Rye	0	0	0	0	0	0	0	-		
4	Oats	0	42,534	0	0	0	35,524	78,058	0.7		
5	Barley	0	0	0	0	0	0	0	-		
6	Canola (Rapeseed)	0	0	0	0	0	0	0	-		
7	Canola Meal, Pellets	0	0	0	0	0	0	0	-		
8	Flour, Wheat & Other Edible	0	0	0	0	0	0	0	-		
9	Soybeans	0	0	0	0	0	0	0	-		
10	Soybean Oil Cake, Meal, Pellets	0	0	0	0	0	0	0	-		
11	Beans and Peas	0	0	0	0	0	0	0	-		
12	Flaxseed	0	0	0	0	0	0	0	-		
13	Sunflower Seeds	0	0	0	0	0	0	0	-		
14	Other Agricultural Products	0	0	0	0	0	0	0	-		
15	Total Agricultural Products	0	53,683	0	0	0	35,524	89,207	0.8		
16	Packing House Products, Edible	0	0	0	0	0	0	0	-		
17	Hides, Skins, Pelts, Wool	0	0	0	0	0	0	0	-		
18	Other Animal Products	0	0	0	0	0	0	0	-		
19	Total Animal Products	0	0	0	0	0	0	0	-		
20	Bituminous Coal	0	0	0	0	0	0	0	-		
21	Coke	120,446	64,911	0	0	0	0	185,357	1.6		
22	Iron Ore	416,136	4,754,117	0	0	0	0	5,170,253	44.2		
23	Aluminum Ore and Concentrates	0	0	0	0	32,061	53,000	85,061	0.7		
24	Clay and Bentonite	0	0	0	0	0	4,645	4,645	0.0		
25	Gravel and Sand	0	0	0	0	0	2,500	2,500	0.0		
26	Stone	26,998	422,621	0	0	0	0	449,619	3.8		
27	Salt	0	0	0	0	0	5,299	5,299	0.0		
28	Potash	0	0	0	0	0	0	0	-		
29	Gypsum	0	0	0	0	0	0	0	-		
30	Asphalt	0	7,807	0	0	0	0	7,807	0.1		
31	Other Mine Products	12,380	49,221	0	0	104,220	138,114	303,935	2.6		
32	Total Mine Products	575,960	5,298,677	0	0	136,281	203,558	6,214,476	53.1		
33	Lumber	0	0	0	0	0	63,286	63,286	0.5		
34	Other Forest Products	0	0	0	0	0	418	418	0.0		
35	Total Forest Products	0	0	0	0	0	63,704	63,704	0.5		
36	Gasoline	127,510	0	9,583	0	21,318	0	158,411	1.4		
37	Fuel Oil	102,174	12,241	0	0	0	0	114,415	1.0		
38	Other Petroleum Products	12,585	0	18,001	0	0	0	30,586	0.3		
39	Chemicals	6,767	0	0	0	50,680	47,027	104,474	0.9		
40	Sodium Products	0	0	68,800	0	0	0	68,800	0.6		
41	Tar, Pitch and Creosote	0	0	0	0	0	0	0	-		
42	Pig Iron	1,519	88,194	0	0	0	87,890	177,603	1.5		
43	Iron and Steel	0	1,018	0	0	273,169	1,046,919	1,321,106	11.3		
44	Steel Slab	0	0	0	0	0	4,782	4,782	0.0		
45	Machinery and Machines	135	0	0	243	84	14,664	15,126	0.1		
46	Cement	100,347	1,196,762	0	0	0	0	1,297,109	11.1		
47	Cement Clinker	0	1,246,303	0	0	0	0	1,246,303	10.7		
48	Woodpulp	0	0	0	0	0	144,551	144,551	1.2		
49	Newsprint and Paper Products	0	0	0	0	0	0	0	-		
50	Syrup and Molasses	0	0	0	0	0	0	0	-		
51	Sugar	0	0	0	0	0	0	0	-		
52	Food Products	0	0	0	0	0	0	0	-		
53	Furnace Slags	113,655	253,858	0	0	0	129,521	497,034	4.2		
54	Scrap Iron and Steel	0	110,013	0	0	0	0	110,013	0.9		
55	Other Manufactures and Misc (1)	0	3,070	0	224	235	36,410	39,939	0.3		
56	Total Manufactures and Misc.	464,692	2,911,459	96,384	467	345,486	1,511,764	5,330,252	45.6		
57	GRAND TOTAL	1,040,652	8,263,819	96,384	467	481,767	1,814,550	11,697,639	100.0		

(1) Includes unclassified cargoes

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2003**

TABLE W3 - Part B

WELLAND CANAL SECTION

		DOWNBOUND TONNES						TOTAL DOWN- BOUND	% OF TOTAL DOWN- BOUND	GRAND TOTALS		NO.
from:	CANADA			UNITED STATES			TOTAL CARGO TONNES			% OF TOTAL		
to:	Canada	United States	Foreign	Canada	United States	Foreign						
	3,563,978	0	599,499	421,573	0	1,396,060	5,981,110	29.6	5,992,259	18.8	1	
	5,399	0	0	749,127	0	136,690	891,216	4.4	891,216	2.8	2	
	0	0	0	0	0	0	0	-	0	-	3	
	0	0	0	0	0	0	0	-	78,058	0.2	4	
	0	0	46,615	0	0	2,213	48,828	0.2	48,828	0.2	5	
	7,998	0	270,594	0	0	0	278,592	1.4	278,592	0.9	6	
	0	0	15,543	0	0	0	15,543	0.1	15,543	0.0	7	
	0	0	0	0	0	0	0	-	0	-	8	
	213,399	0	88,944	646,044	0	255,224	1,203,611	6.0	1,203,611	3.8	9	
	6,702	0	0	0	0	0	6,702	0.0	6,702	0.0	10	
	8,487	0	136,273	0	0	1,429	146,189	0.7	146,189	0.5	11	
	10,710	0	444,078	0	0	48,860	503,648	2.5	503,648	1.6	12	
	0	0	0	0	0	0	0	-	0	-	13	
	0	0	61,145	0	0	123,636	184,781	0.9	184,781	0.6	14	
	3,816,673	0	1,662,691	1,816,744	0	1,964,112	9,260,220	45.9	9,349,427	29.3	15	
	0	0	0	0	0	0	0	-	0	-	16	
	0	0	0	0	0	0	0	-	0	-	17	
	0	0	0	0	0	0	0	-	0	-	18	
	0	0	0	0	0	0	0	-	0	-	19	
	346,103	0	0	3,850,088	0	0	4,196,191	20.8	4,196,191	13.2	20	
	31,027	0	38,405	749,368	0	0	818,800	4.1	1,004,157	3.2	21	
	0	0	0	1,390,200	0	0	1,390,200	6.9	6,560,453	20.6	22	
	0	0	0	0	0	0	0	-	85,061	0.3	23	
	0	0	0	0	0	104,840	104,840	0.5	109,485	0.3	24	
	0	0	0	207,626	0	0	207,626	1.0	210,126	0.7	25	
	350,274	0	0	0	0	0	350,274	1.7	799,893	2.5	26	
	1,458,869	185,425	0	420,513	0	0	2,064,807	10.2	2,070,106	6.5	27	
	64,378	8,301	58,950	0	0	0	131,629	0.7	131,629	0.4	28	
	0	0	0	0	0	0	0	-	0	-	29	
	13,777	0	0	136,629	0	0	150,406	0.7	158,213	0.5	30	
	0	0	0	7,873	0	0	7,873	0.0	311,808	1.0	31	
	2,264,428	193,726	97,355	6,762,297	0	104,840	9,422,646	46.7	15,637,122	49.1	32	
	0	0	0	0	0	6,698	6,698	0.0	69,984	0.2	33	
	0	0	0	0	0	0	0	-	418	0.0	34	
	0	0	0	0	0	6,698	6,698	0.0	70,402	0.2	35	
	0	0	0	0	0	0	0	-	158,411	0.5	36	
	335,202	20,273	9,511	90,947	0	0	455,933	2.3	570,348	1.8	37	
	0	0	0	0	0	0	0	-	30,586	0.1	38	
	89,175	72,523	135,147	32,893	2,174	0	331,912	1.6	436,386	1.4	39	
	0	0	0	0	0	0	0	-	68,800	0.2	40	
	31,634	0	0	0	0	0	31,634	0.2	31,634	0.1	41	
	0	0	0	0	0	0	0	-	177,603	0.6	42	
	0	0	17,960	0	0	308,800	326,760	1.6	1,647,866	5.2	43	
	0	0	0	0	0	0	0	-	4,782	0.0	44	
	0	0	340	0	0	4,041	4,381	0.0	19,507	0.1	45	
	0	0	0	0	0	0	0	-	1,297,109	4.1	46	
	0	0	0	0	0	0	0	-	1,246,303	3.9	47	
	0	0	37,845	0	0	28,292	66,137	0.3	210,688	0.7	48	
	0	0	0	0	0	0	0	-	0	-	49	
	0	0	0	0	0	0	0	-	0	-	50	
	0	0	0	0	0	0	0	-	0	-	51	
	0	0	0	0	0	0	0	-	0	-	52	
	241,467	0	0	0	0	0	241,467	1.2	738,501	2.3	53	
	24,209	0	0	0	0	0	24,209	0.1	134,222	0.4	54	
	0	0	0	0	0	830	830	0.0	40,769	0.1	55	
	721,687	92,796	200,803	123,840	2,174	341,963	1,483,263	7.4	6,813,515	21.4	56	
	6,802,788	286,522	1,960,849	8,702,881	2,174	2,417,613	20,172,827	100.0	31,870,466	100.0	57	

**TRAFFIC BY MONTH AND TYPE OF CARGO
2003**

TABLE W4

WELLAND CANAL SECTION

DIRECTION AND MONTH	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES								
	Loaded	Ballast	Total		Bulk	Coal	Grains	Govt. Aid	Con-tainers	General	Steel Slab	Total	%
UPBOUND:													
March	3	9	12	177,723	60,001	0	0	0	0	0	0	60,001	0.2
April	78	71	149	1,875,133	1,060,371	0	17,684	0	51	227,590	2,180	1,307,876	4.1
May	79	74	153	1,775,443	1,131,864	0	21,159	0	0	123,354	2,550	1,278,927	4.0
June	82	73	155	1,743,954	1,182,301	0	0	0	9	150,256	19	1,332,585	4.2
July	85	82	167	1,883,203	1,207,440	0	39,215	0	139	122,326	4	1,369,124	4.3
August	86	92	178	1,901,455	1,217,926	0	0	0	25	119,815	16	1,337,782	4.2
September	85	73	158	1,891,216	1,288,453	0	11,149	0	58	112,216	0	1,411,876	4.4
October	84	106	190	2,105,426	1,212,820	0	0	0	8	129,034	4	1,341,866	4.2
November	89	121	210	2,568,696	1,076,114	0	0	0	0	279,290	9	1,355,413	4.3
December	54	86	140	1,603,236	814,146	0	0	0	0	88,043	0	902,189	2.8
January	0	0	0	0	0	0	0	0	0	0	0	0	-
February	0	0	0	0	0	0	0	0	0	0	0	0	-
Total Upbound	725	787	1,512	17,525,485	10,251,436	0	89,207	0	290	1,351,924	4,782	11,697,639	36.7
DOWNBOUND:													
March	6	4	10	119,677	33,652	79,570	18,002	0	0	0	0	131,224	0.4
April	75	46	121	1,358,920	491,169	404,756	616,712	0	0	78,464	0	1,591,101	5.0
May	116	45	161	2,028,271	706,150	541,814	842,836	0	0	125,910	0	2,216,710	7.0
June	102	43	145	1,741,785	790,847	455,312	663,387	0	0	85,582	0	1,995,128	6.3
July	105	52	157	1,856,367	591,814	619,608	852,133	0	0	36,979	0	2,100,534	6.6
August	112	71	183	1,887,605	772,184	435,200	930,148	7,826	0	960	0	2,146,318	6.7
September	115	56	171	1,858,986	768,675	319,148	1,068,894	0	0	0	0	2,156,717	6.8
October	128	64	192	2,173,203	769,325	391,093	1,380,132	0	0	1,447	0	2,541,997	8.0
November	135	48	183	2,134,955	664,091	461,744	1,510,274	0	0	0	0	2,636,109	8.3
December	142	50	192	2,318,880	796,538	487,946	1,370,706	0	501	1,298	0	2,656,989	8.3
January	0	0	0	0	0	0	0	0	0	0	0	0	-
February	0	0	0	0	0	0	0	0	0	0	0	0	-
Total Downbound	1,036	479	1,515	17,478,649	6,384,445	4,196,191	9,253,224	7,826	501	330,640	0	20,172,827	63.3
TOTALS:													
March	9	13	22	297,400	93,653	79,570	18,002	0	0	0	0	191,225	0.6
April	153	117	270	3,234,053	1,551,540	404,756	634,396	0	51	306,054	2,180	2,898,977	9.1
May	195	119	314	3,803,714	1,838,014	541,814	863,995	0	0	249,264	2,550	3,495,637	11.0
June	184	116	300	3,485,739	1,973,148	455,312	663,387	0	9	235,838	19	3,327,713	10.4
July	190	134	324	3,739,570	1,799,254	619,608	891,348	0	139	159,305	4	3,469,658	10.9
August	198	163	361	3,789,060	1,990,110	435,200	930,148	7,826	25	120,775	16	3,484,100	10.9
September	200	129	329	3,750,202	2,057,128	319,148	1,080,043	0	58	112,216	0	3,568,593	11.2
October	212	170	382	4,278,629	1,982,145	391,093	1,380,132	0	8	130,481	4	3,883,863	12.2
November	224	169	393	4,703,651	1,740,205	461,744	1,510,274	0	0	279,290	9	3,991,522	12.5
December	196	136	332	3,922,116	1,610,684	487,946	1,370,706	0	501	89,341	0	3,559,178	11.2
January	0	0	0	0	0	0	0	0	0	0	0	0	-
February	0	0	0	0	0	0	0	0	0	0	0	0	-
GRAND TOTAL	1,761	1,266	3,027	35,004,134	16,635,881	4,196,191	9,342,431	7,826	791	1,682,564	4,782	31,870,466	100.0

**TRAFFIC RESULTS
1984 - 2003**

TABLE W5

WELLAND CANAL SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
1984	2,369	2,381	4,750	14,079,793	39,837,065	53,916,858	31,561,360	31,673,380	63,234,740
1985	1,908	1,918	3,826	10,887,501	30,964,259	41,851,760	25,154,052	25,156,487	50,310,539
1986	1,989	1,970	3,959	10,224,030	31,388,740	41,612,770	26,292,247	26,191,305	52,483,552
1987	1,972	1,942	3,914	11,430,043	31,294,712	42,724,755	25,866,562	25,827,198	51,693,760
1988	1,963	1,946	3,909	12,363,992	31,172,325	43,536,317	25,678,177	25,497,142	51,175,319
1989	1,794	1,804	3,598	12,113,108	27,796,342	39,909,450	22,736,432	22,999,006	45,735,438
1990	1,794	1,783	3,577	11,961,465	27,436,435	39,397,900	22,358,350	22,224,174	44,582,524
1991	1,795	1,775	3,570	7,883,689	29,035,283	36,918,972	22,847,289	22,592,678	45,439,967
1992	1,579	1,561	3,140	8,333,241	24,841,277	33,174,518	20,243,685	20,098,051	40,341,736
1993	1,460	1,467	2,927	11,230,122	20,584,897	31,815,019	18,072,909	17,990,480	36,063,389
1994	1,693	1,685	3,378	15,832,507	23,870,582	39,703,089	21,463,429	21,396,077	42,859,506
1995	1,654	1,641	3,295	12,462,085	26,914,248	39,376,333	22,114,295	21,957,301	44,071,596
1996	1,661	1,646	3,307	16,100,765	25,044,449	41,145,214	22,305,537	22,075,614	44,381,151
1997	1,687	1,697	3,384	14,964,754	25,937,733	40,902,487	22,383,678	22,317,899	44,701,577
1998	1,716	1,711	3,427	16,490,774	24,154,823	40,645,597	22,562,174	22,498,816	45,060,990
1999	1,836	1,844	3,680	13,772,519	23,668,366	37,440,885	20,861,259	20,898,258	41,759,517
2000	1,681	1,670	3,351	13,433,945	23,138,232	36,572,177	20,473,915	20,428,640	40,902,555
2001	1,706	1,683	3,389	10,623,437	21,861,460	32,484,897	19,489,594	19,430,309	38,919,903
2002	1,506	1,510	3,016	11,689,831	20,418,339	32,108,170	18,103,106	18,134,151	36,237,257
2003	1,512	1,515	3,027	11,697,639	20,172,827	31,870,466	17,525,485	17,478,649	35,004,134
TOTAL	35,275	35,149	70,424	247,575,240	529,532,394	777,107,634	448,093,535	446,865,615	894,959,150

**CARGO BY TARIFF CLASSIFICATION
1984 - 2003**

TABLE W6

WELLAND CANAL SECTION

YEAR	BULK		COAL		GRAINS		GOVT. AID		CONTAINERS		GENERAL		STEEL SLAB		TOTAL
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	TONNES
1984	24,972,587	46.3	N/A	-	24,441,099	45.3	229,730	0.4	111,011	0.2	4,162,431	7.7	N/A	-	53,916,858
1985	21,168,333	50.6	N/A	-	17,024,549	40.7	261,476	0.6	79,154	0.2	3,318,248	7.9	N/A	-	41,851,760
1986	21,182,530	50.9	N/A	-	17,015,294	40.9	227,432	0.5	22,966	0.1	3,164,548	7.6	N/A	-	41,612,770
1987	20,427,881	47.8	N/A	-	19,072,346	44.6	210,398	0.5	24,308	0.1	2,989,822	7.0	N/A	-	42,724,755
1988	24,119,789	55.4	N/A	-	16,062,624	36.9	84,327	0.2	23,490	0.1	3,246,087	7.5	N/A	-	43,536,317
1989	24,387,306	61.1	N/A	-	12,094,818	30.3	151,603	0.4	16,644	0.0	3,259,079	8.2	N/A	-	39,909,450
1990	23,788,081	60.4	N/A	-	12,656,979	32.1	67,217	0.2	12,025	0.0	2,873,598	7.3	N/A	-	39,397,900
1991	18,326,722	49.6	N/A	-	15,851,375	42.9	121,628	0.3	10,274	0.0	2,608,973	7.1	N/A	-	36,918,972
1992	18,179,814	54.8	N/A	-	12,485,974	37.6	77,737	0.2	16,351	0.0	2,414,642	7.3	N/A	-	33,174,518
1993	17,251,886	54.2	N/A	-	11,209,047	35.2	54,905	0.2	21,726	0.1	3,277,455	10.3	N/A	-	31,815,019
1994	20,661,562	52.0	N/A	-	13,576,191	34.2	54,768	0.1	9,653	0.0	5,400,915	13.6	N/A	-	39,703,089
1995	20,890,620	53.1	N/A	-	14,972,524	38.0	18,225	0.0	10,115	0.0	3,484,849	8.9	N/A	-	39,376,333
1996	23,621,910	57.4	N/A	-	12,728,928	30.9	0	-	1,279	0.0	4,793,097	11.6	N/A	-	41,145,214
1997	23,110,570	56.5	N/A	-	13,721,447	33.5	0	-	2,209	0.0	4,068,261	9.9	N/A	-	40,902,487
1998	22,004,090	54.1	N/A	-	13,162,425	32.4	15,828	0.0	837	0.0	5,462,417	13.4	N/A	-	40,645,597
1999	15,880,743	42.4	4,518,099	12.0	13,508,319	36.1	69,469	0.2	355	0.0	3,286,495	8.8	177,405	0.5	37,440,885
2000	15,811,645	43.2	4,345,503	11.9	12,871,409	35.2	9,655	0.0	1,283	0.0	3,382,207	9.2	150,475	0.4	36,572,177
2001	13,826,823	42.6	4,803,620	14.8	11,645,522	35.8	0	-	1,616	0.0	2,033,454	6.3	173,862	0.5	32,484,897
2002	14,956,780	46.6	4,114,092	12.8	10,323,175	32.2	25,834	0.1	848	0.0	2,133,952	6.6	553,489	1.7	32,108,170
2003	16,635,881	52.2	4,196,191	13.2	9,342,431	29.3	7,826	0.0	791	0.0	1,682,564	5.3	4,782	0.0	31,870,466
TOTAL	401,205,553	51.6	21,977,505	2.8	283,766,476	36.5	1,688,058	0.2	366,935	0.0	67,043,094	8.6	1,060,013	0.1	777,107,634

**VESSEL TRANSITS
1984- 2003**

TABLE W7

WELLAND CANAL SECTION

YEAR	UPBOUND				DOWNBOUND				TOTAL			
	CARGO TONNES	TRANSITS			CARGO TONNES	TRANSITS			CARGO TONNES	TRANSITS		
		Loaded	Ballast	Total		Loaded	Ballast	Total		Loaded	Ballast	Total
1984	14,079,793	896	1,473	2,369	39,837,065	2,161	220	2,381	53,916,858	3,057	1,693	4,750
1985	10,887,501	713	1,195	1,908	30,964,259	1,702	216	1,918	41,851,760	2,415	1,411	3,826
1986	10,224,030	723	1,266	1,989	31,388,740	1,724	246	1,970	41,612,770	2,447	1,512	3,959
1987	11,430,043	759	1,213	1,972	31,294,712	1,648	294	1,942	42,724,755	2,407	1,507	3,914
1988	12,363,992	810	1,153	1,963	31,172,325	1,658	288	1,946	43,536,317	2,468	1,441	3,909
1989	12,113,108	804	990	1,794	27,796,342	1,573	231	1,804	39,909,450	2,377	1,221	3,598
1990	11,961,465	767	1,027	1,794	27,436,435	1,535	248	1,783	39,397,900	2,302	1,275	3,577
1991	7,883,689	600	1,195	1,795	29,035,283	1,549	226	1,775	36,918,972	2,149	1,421	3,570
1992	8,333,241	642	937	1,579	24,841,277	1,335	226	1,561	33,174,518	1,977	1,163	3,140
1993	11,230,122	785	675	1,460	20,584,897	1,133	334	1,467	31,815,019	1,918	1,009	2,927
1994	15,832,507	1,044	649	1,693	23,870,582	1,320	365	1,685	39,703,089	2,364	1,014	3,378
1995	12,462,085	760	894	1,654	26,914,248	1,351	290	1,641	39,376,333	2,111	1,184	3,295
1996	16,100,765	964	697	1,661	25,044,449	1,261	385	1,646	41,145,214	2,225	1,082	3,307
1997	14,964,754	917	770	1,687	25,937,733	1,296	401	1,697	40,902,487	2,213	1,171	3,384
1998	16,490,774	1,062	654	1,716	24,154,823	1,254	457	1,711	40,645,597	2,316	1,111	3,427
1999	13,772,519	905	931	1,836	23,668,366	1,227	617	1,844	37,440,885	2,132	1,548	3,680
2000	13,433,945	849	832	1,681	23,138,232	1,214	456	1,670	36,572,177	2,063	1,288	3,351
2001	10,623,437	746	960	1,706	21,861,460	1,147	536	1,683	32,484,897	1,893	1,496	3,389
2002	11,689,831	766	740	1,506	20,418,339	1,041	469	1,510	32,108,170	1,807	1,209	3,016
2003	11,697,639	725	787	1,512	20,172,827	1,036	479	1,515	31,870,466	1,761	1,266	3,027
TOTAL	247,575,240	16,237	19,038	35,275	529,532,394	28,165	6,984	35,149	777,107,634	44,402	26,022	70,424

**COMMODITY GROUPS
1984 - 2003**

TABLE W8

WELLAND CANAL SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1984	24,566,628	45.6	48,805	0.1	21,170,213	39.3	63,079	0.1	8,068,133	15.0	53,916,858
1985	17,135,063	40.9	52,827	0.1	17,125,276	40.9	31,751	0.1	7,506,843	17.9	41,851,760
1986	17,117,350	41.1	32,222	0.1	16,767,409	40.3	2,114	0.0	7,693,675	18.5	41,612,770
1987	19,167,314	44.9	19,899	0.0	16,508,988	38.6	3,785	0.0	7,024,769	16.4	42,724,755
1988	16,138,054	37.1	37,693	0.1	20,092,455	46.2	20,842	0.0	7,247,273	16.6	43,536,317
1989	12,283,468	30.8	35,556	0.1	20,077,371	50.3	35,159	0.1	7,477,896	18.7	39,909,450
1990	12,801,197	32.5	9,175	0.0	19,590,432	49.7	59,501	0.2	6,937,595	17.6	39,397,900
1991	15,928,350	43.1	17,645	0.0	15,183,314	41.1	21,501	0.1	5,768,162	15.6	36,918,972
1992	12,465,835	37.6	50,591	0.2	14,552,519	43.9	8,874	0.0	6,096,699	18.4	33,174,518
1993	11,255,092	35.4	33,240	0.1	13,507,263	42.5	152	0.0	7,019,272	22.1	31,815,019
1994	13,595,096	34.2	46,833	0.1	16,211,797	40.8	0	-	9,849,363	24.8	39,703,089
1995	14,948,276	38.0	65,505	0.2	16,399,966	41.6	0	-	7,962,586	20.2	39,376,333
1996	12,708,664	30.9	13,061	0.0	18,715,044	45.5	0	-	9,708,445	23.6	41,145,214
1997	13,721,447	33.5	13,964	0.0	18,152,561	44.4	10,073	0.0	9,004,442	22.0	40,902,487
1998	13,144,176	32.3	14,053	0.0	16,345,069	40.2	0	-	11,142,299	27.4	40,645,597
1999	13,577,788	36.3	11,580	0.0	15,195,354	40.6	0	-	8,656,163	23.1	37,440,885
2000	12,875,981	35.2	7,080	0.0	15,324,880	41.9	0	-	8,364,236	22.9	36,572,177
2001	11,645,522	35.8	4,042	0.0	13,287,209	40.9	20,181	0.1	7,527,943	23.2	32,484,897
2002	10,348,562	32.2	5,172	0.0	13,907,368	43.3	89,156	0.3	7,757,912	24.2	32,108,170
2003	9,349,427	29.3	0	-	15,637,122	49.1	70,402	0.2	6,813,515	21.4	31,870,466
TOTAL	284,773,290	36.6	518,943	0.1	333,751,610	42.9	436,570	0.1	157,627,221	20.3	777,107,634

**U.S. GRAINS
1984 - 2003**

TABLE W9

WELLAND CANAL SECTION

YEAR	WHEAT		CORN		RYE & OATS		CANOLA		BARLEY		SOYBEANS		FLAXSEED		ALL OTHER U.S. GRAINS		TOTAL U.S. GRAINS TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1984	3,145,207	39.3	2,387,026	29.8	11,453	0.1	N/A	-	631,537	7.9	1,016,969	12.7	5,180	0.1	814,086	10.2	8,011,458
1985	1,958,906	36.7	2,070,840	38.8	0	-	N/A	-	170,277	3.2	747,406	14.0	0	-	391,183	7.3	5,338,612
1986	2,371,464	49.0	737,885	15.2	5,500	0.1	N/A	-	332,051	6.9	1,116,132	23.0	31,504	0.7	249,633	5.2	4,844,169
1987	1,715,846	32.3	1,799,109	33.9	19,458	0.4	N/A	-	464,631	8.8	1,125,750	21.2	0	-	183,631	3.5	5,308,425
1988	2,070,330	36.1	2,188,297	38.2	10,410	0.2	N/A	-	599,748	10.5	634,087	11.1	0	-	228,448	4.0	5,731,320
1989	2,203,974	36.5	2,210,458	36.6	7,704	0.1	N/A	-	939,432	15.6	674,795	11.2	0	-	0	-	6,036,363
1990	1,871,197	44.3	1,178,090	27.9	0	-	N/A	-	846,871	20.0	319,201	7.6	0	-	11,965	0.3	4,227,324
1991	1,331,577	39.3	1,005,337	29.7	0	-	N/A	-	533,535	15.7	365,474	10.8	0	-	151,638	4.5	3,387,561
1992	1,586,460	33.0	1,144,250	23.8	0	-	N/A	-	1,052,638	21.9	939,822	19.5	0	-	88,982	1.8	4,812,152
1993	2,087,128	44.7	1,258,032	26.9	0	-	N/A	-	657,582	14.1	611,436	13.1	0	-	57,972	1.2	4,672,150
1994	1,533,046	28.1	1,103,424	20.2	0	-	N/A	-	1,130,725	20.7	1,484,285	27.2	0	-	208,528	3.8	5,460,008
1995	2,971,424	39.9	2,343,895	31.5	1,900	0.0	N/A	-	173,287	2.3	1,624,272	21.8	0	-	331,515	4.5	7,446,293
1996	2,718,233	44.6	1,279,892	21.0	11,777	0.2	N/A	-	54,725	0.9	1,992,116	32.7	0	-	44,246	0.7	6,100,989
1997	1,694,195	36.0	560,724	11.9	0	-	N/A	-	576,832	12.2	1,833,522	38.9	0	-	45,562	1.0	4,710,835
1998	2,063,314	33.1	2,018,736	32.4	0	-	N/A	-	46,303	0.7	1,685,671	27.1	8,856	0.1	406,790	6.5	6,229,670
1999	1,625,184	24.3	2,705,940	40.5	0	-	0	-	42,557	0.6	2,140,080	32.0	0	-	165,111	2.5	6,678,872
2000	2,012,948	33.6	1,763,090	29.4	0	-	43,694	0.7	93,785	1.6	1,894,632	31.6	31,084	0.5	149,299	2.5	5,988,532
2001	2,098,403	38.8	1,444,889	26.7	20,959	0.4	0	-	24,960	0.5	1,568,703	29.0	56,728	1.0	199,541	3.7	5,414,183
2002	1,864,851	40.7	1,003,946	21.9	0	-	0	-	24,451	0.5	1,510,436	33.0	69,736	1.5	105,852	2.3	4,579,272
2003	1,810,637	48.0	885,817	23.5	0	-	0	-	2,213	0.1	901,268	23.9	48,860	1.3	125,065	3.3	3,773,860
TOTAL	40,734,324	37.5	31,089,677	28.6	89,161	0.1	43,694	0.0	8,398,140	7.7	24,186,057	22.2	251,948	0.2	3,959,047	3.6	108,752,048

**CANADIAN GRAINS
1984 - 2003**

TABLE W10

WELLAND CANAL SECTION

YEAR	WHEAT		CORN		RYE & OATS		CANOLA		BARLEY		SOYBEANS		FLAXSEED		ALL OTHER CDN. GRAINS		TOTAL CDN. GRAINS TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1984	13,124,885	79.9	571,202	3.5	68,561	0.4	N/A	-	1,864,689	11.3	84,302	0.5	227,519	1.4	488,409	3.0	16,429,567
1985	9,720,211	83.2	557,673	4.8	39,948	0.3	N/A	-	571,414	4.9	96,921	0.8	339,500	2.9	360,174	3.1	11,685,841
1986	9,067,032	74.5	386,885	3.2	100,362	0.8	N/A	-	1,650,639	13.6	153,573	1.3	370,568	3.0	441,966	3.6	12,171,025
1987	11,085,376	80.5	461,804	3.4	124,605	0.9	N/A	-	1,008,599	7.3	148,263	1.1	374,843	2.7	560,431	4.1	13,763,921
1988	8,709,022	84.3	248,048	2.4	41,789	0.4	N/A	-	528,954	5.1	130,319	1.3	258,288	2.5	414,884	4.0	10,331,304
1989	5,071,541	83.8	76,996	1.3	36,204	0.6	N/A	-	293,205	4.8	63,650	1.1	236,815	3.9	271,240	4.5	6,049,651
1990	7,495,238	88.9	214,589	2.5	11,313	0.1	N/A	-	278,472	3.3	45,554	0.5	165,696	2.0	218,793	2.6	8,429,655
1991	11,101,227	89.2	551,986	4.4	2,453	0.0	N/A	-	130,672	1.0	103,938	0.8	171,718	1.4	387,120	3.1	12,449,114
1992	6,376,326	83.1	194,648	2.5	8,801	0.1	N/A	-	114,808	1.5	172,710	2.3	151,311	2.0	655,218	8.5	7,673,822
1993	4,813,973	73.9	59,465	0.9	14,278	0.2	N/A	-	38,974	0.6	210,683	3.2	254,058	3.9	1,126,922	17.3	6,518,353
1994	5,114,963	63.0	153,076	1.9	27,355	0.3	N/A	-	140,140	1.7	346,546	4.3	439,356	5.4	1,894,747	23.3	8,116,183
1995	5,184,287	68.9	88,136	1.2	1,330	0.0	N/A	-	32,954	0.4	378,991	5.0	432,596	5.7	1,407,937	18.7	7,526,231
1996	4,363,730	66.2	120,753	1.8	22,400	0.3	N/A	-	366,280	5.6	297,847	4.5	359,269	5.4	1,061,842	16.1	6,592,121
1997	7,136,235	79.5	1,892	0.0	14,956	0.2	N/A	-	130,753	1.5	261,228	2.9	462,489	5.2	966,654	10.8	8,974,207
1998	4,689,907	68.7	18,656	0.3	3,168	0.0	N/A	-	31,946	0.5	220,901	3.2	491,617	7.2	1,366,995	20.0	6,823,190
1999	4,797,664	70.4	321,393	4.7	8,482	0.1	243,358	3.6	83,825	1.2	289,152	4.2	221,353	3.2	846,620	12.4	6,811,847
2000	4,651,847	67.6	114,367	1.7	11,679	0.2	340,413	4.9	0	-	249,090	3.6	458,601	6.7	1,056,880	15.4	6,882,877
2001	4,521,487	72.8	45,687	0.7	9,407	0.2	321,964	5.2	32,908	0.5	207,275	3.3	475,014	7.6	599,127	9.6	6,212,869
2002	4,202,114	74.2	66,033	1.2	23,844	0.4	208,316	3.7	114,193	2.0	335,380	5.9	534,353	9.4	182,046	3.2	5,666,279
2003	4,174,626	75.4	5,399	0.1	42,534	0.8	278,592	5.0	46,615	0.8	302,343	5.5	454,788	8.2	228,150	4.1	5,533,047
TOTAL	135,401,691	77.5	4,258,688	2.4	613,469	0.4	1,392,643	0.8	7,460,040	4.3	4,098,666	2.3	6,879,752	3.9	14,536,155	8.3	174,641,104

SELECTED MINING COMMODITIES

1984 - 2003

TABLE W11

WELLAND CANAL SECTION

YEAR	COAL		COKE		IRON ORE		CLAY & BENTONITE		GRAVEL & SAND		STONE		SALT		OTHER MINING		TOTAL MINING TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1984	6,603,148	31.2	858,598	4.1	10,088,727	47.7	157,206	0.7	318,736	1.5	537,791	2.5	1,725,967	8.2	880,040	4.2	21,170,213
1985	5,807,694	33.9	921,887	5.4	6,788,799	39.6	162,410	0.9	176,291	1.0	815,313	4.8	1,521,180	8.9	931,702	5.4	17,125,276
1986	5,775,521	34.4	993,268	5.9	5,839,484	34.8	161,366	1.0	82,436	0.5	1,005,908	6.0	1,882,656	11.2	1,026,770	6.1	16,767,409
1987	5,644,283	34.2	822,061	5.0	6,180,641	37.4	164,766	1.0	89,372	0.5	889,303	5.4	1,766,446	10.7	952,116	5.8	16,508,988
1988	7,029,061	35.0	1,638,341	8.2	7,083,883	35.3	240,823	1.2	226,492	1.1	1,007,689	5.0	1,672,709	8.3	1,193,457	5.9	20,092,455
1989	6,321,198	31.5	1,412,270	7.0	7,293,840	36.3	215,214	1.1	241,749	1.2	1,187,261	5.9	2,176,005	10.8	1,229,834	6.1	20,077,371
1990	6,265,959	32.0	1,037,047	5.3	7,483,022	38.2	229,581	1.2	214,373	1.1	1,781,577	9.1	1,513,195	7.7	1,065,678	5.4	19,590,432
1991	5,276,522	34.8	459,181	3.0	5,698,201	37.5	151,485	1.0	163,412	1.1	1,179,384	7.8	1,355,831	8.9	899,298	5.9	15,183,314
1992	5,137,176	35.3	745,292	5.1	4,299,855	29.5	145,918	1.0	195,711	1.3	963,437	6.6	1,855,845	12.8	1,209,285	8.3	14,552,519
1993	3,472,603	25.7	809,271	6.0	5,025,280	37.2	171,967	1.3	149,597	1.1	1,378,250	10.2	1,462,920	10.8	1,037,375	7.7	13,507,263
1994	3,641,745	22.5	858,209	5.3	7,346,125	45.3	183,725	1.1	182,157	1.1	1,323,047	8.2	1,761,044	10.9	915,745	5.6	16,211,797
1995	3,998,085	24.4	959,115	5.8	6,328,853	38.6	231,066	1.4	196,903	1.2	1,411,951	8.6	2,309,656	14.1	964,337	5.9	16,399,966
1996	4,503,666	24.1	834,731	4.5	7,977,703	42.6	221,755	1.2	196,424	1.0	1,554,972	8.3	2,439,007	13.0	986,786	5.3	18,715,044
1997	4,613,589	25.4	815,321	4.5	7,882,197	43.4	254,791	1.4	221,370	1.2	1,149,189	6.3	2,339,016	12.9	877,088	4.8	18,152,561
1998	4,631,960	28.3	698,915	4.3	6,514,907	39.9	250,534	1.5	176,521	1.1	1,297,412	7.9	1,976,360	12.1	798,460	4.9	16,345,069
1999	4,518,099	29.7	623,627	4.1	5,822,615	38.3	175,661	1.2	228,871	1.5	859,859	5.7	2,154,900	14.2	811,722	5.3	15,195,354
2000	4,345,503	28.4	964,887	6.3	6,128,438	40.0	161,835	1.1	214,291	1.4	894,193	5.8	1,725,627	11.3	890,106	5.8	15,324,880
2001	4,803,620	36.2	901,018	6.8	3,486,873	26.2	84,269	0.6	204,364	1.5	945,002	7.1	2,149,714	16.2	712,349	5.4	13,287,209
2002	4,114,092	29.6	1,194,300	8.6	5,042,945	36.3	110,613	0.8	181,670	1.3	739,559	5.3	1,888,696	13.6	635,493	4.6	13,907,368
2003	4,196,191	26.8	1,004,157	6.4	6,560,453	42.0	109,485	0.7	210,126	1.3	799,893	5.1	2,070,106	13.2	686,711	4.4	15,637,122
TOTAL	100,699,715	30.2	18,551,496	5.6	128,872,841	38.6	3,584,470	1.1	3,870,866	1.2	21,720,990	6.5	37,746,880	11.3	18,704,352	5.6	333,751,610

**SELECTED PROCESSED COMMODITIES
1984 - 2003**

TABLE W12

WELLAND CANAL SECTION

YEAR	GASOLINE		FUEL OIL		CHEMICALS		SODIUM PRODUCTS		PIG IRON		MANUFACTURED IRON & STEEL (1)		CEMENT		SCRAP IRON & STEEL		OTHER PROCESSED	
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%
1984	251,160	3.3	678,186	8.9	505,130	6.6	130,189	1.7	218,538	2.9	3,962,917	51.8	531,399	6.9	325,725	4.3	1,053,561	13.8
1985	141,601	1.9	628,613	8.4	607,910	8.1	170,520	2.3	89,263	1.2	3,094,923	41.2	309,120	4.1	753,927	10.0	1,710,966	22.8
1986	186,564	2.4	603,625	7.8	776,373	10.1	225,014	2.9	71,730	0.9	2,850,070	37.0	347,060	4.5	782,966	10.2	1,850,273	24.0
1987	97,982	1.4	569,051	8.1	627,657	8.9	159,538	2.3	104,815	1.5	2,674,513	38.1	549,874	7.8	372,318	5.3	1,869,021	26.6
1988	126,537	1.7	669,756	9.2	801,269	11.1	112,888	1.6	82,921	1.1	3,034,185	41.9	488,672	6.7	364,658	5.0	1,566,387	21.6
1989	275,681	3.7	637,605	8.5	864,621	11.6	34,820	0.5	65,164	0.9	3,092,769	41.4	367,748	4.9	313,738	4.2	1,825,750	24.4
1990	223,997	3.2	938,742	13.5	684,828	9.9	87,502	1.3	66,500	1.0	2,764,197	39.8	407,310	5.9	369,092	5.3	1,395,427	20.1
1991	150,401	2.6	655,024	11.4	529,638	9.2	30,130	0.5	35,577	0.6	2,549,540	44.2	355,305	6.2	314,278	5.4	1,148,269	19.9
1992	103,252	1.7	495,897	8.1	500,063	8.2	52,538	0.9	70,105	1.1	2,271,722	37.3	375,451	6.2	375,259	6.2	1,852,412	30.4
1993	35,535	0.5	407,218	5.8	591,409	8.4	56,031	0.8	55,792	0.8	3,120,927	44.5	858,144	12.2	200,666	2.9	1,693,550	24.1
1994	157,505	1.6	697,751	7.1	389,241	4.0	77,896	0.8	81,007	0.8	5,245,524	53.3	1,422,700	14.4	149,454	1.5	1,628,285	16.5
1995	18,033	0.2	605,005	7.6	543,935	6.8	40,335	0.5	132,434	1.7	3,333,160	41.9	1,194,011	15.0	144,127	1.8	1,951,546	24.5
1996	60,862	0.6	615,844	6.3	538,342	5.5	28,800	0.3	162,882	1.7	4,610,328	47.5	1,439,717	14.8	155,838	1.6	2,095,832	21.6
1997	76,415	0.8	634,957	7.1	519,555	5.8	62,988	0.7	128,689	1.4	3,856,640	42.8	1,516,733	16.8	299,133	3.3	1,909,332	21.2
1998	150,900	1.4	613,464	5.5	655,361	5.9	69,849	0.6	266,790	2.4	5,361,673	48.1	1,673,028	15.0	106,380	1.0	2,244,854	20.1
1999	63,662	0.7	474,539	5.5	397,024	4.6	77,394	0.9	225,935	2.6	3,334,738	38.5	1,602,864	18.5	126,082	1.5	2,353,925	27.2
2000	108,365	1.3	354,049	4.2	496,847	5.9	84,646	1.0	202,512	2.4	3,458,677	41.4	1,258,259	15.0	138,016	1.7	2,262,865	27.1
2001	285,450	3.8	492,370	6.5	435,129	5.8	73,898	1.0	199,013	2.6	2,145,531	28.5	1,540,165	20.5	124,709	1.7	2,231,678	29.6
2002	147,641	1.9	293,209	3.8	421,416	5.4	74,087	1.0	229,653	3.0	2,643,181	34.1	1,305,972	16.8	83,128	1.1	2,559,625	33.0
2003	158,411	2.3	570,348	8.4	436,386	6.4	68,800	1.0	177,603	2.6	1,652,648	24.3	1,297,109	19.0	134,222	2.0	2,317,988	34.0
TOTAL	2,819,954	1.8	11,635,253	7.4	11,322,134	7.2	1,717,863	1.1	2,666,923	1.7	65,057,863	41.4	18,840,641	12.0	5,633,716	3.6	37,521,546	23.9

(1) Includes Steel Slab