



The St. Lawrence Seaway

2022 Traffic Report



THE ST. LAWRENCE SEAWAY TRAFFIC REPORT 2022 NAVIGATION SEASON

PREPARED BY

THE ST. LAWRENCE SEAWAY MANAGEMENT CORPORATION

AND THE

GREAT LAKES ST. LAWRENCE SEAWAY DEVELOPMENT CORPORATION

Available from our web site: www.greatlakes-seaway.com

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 Great Lakes St. 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. The calendar year or the fiscal year is not considered.

The primary contents of this report are divided into four parts:

- Part I** - Table summaries of the 2022 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.

Historical tables cover the latest 20 years. Anyone needing historical tables going back to 1959 can find the "Historical Tables" brochure on our web site www.greatlakes-seaway.com.

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

Starting in 2020, passenger vessels are considered to be non-cargo vessels.

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.

The use of the Harmonized Commodity Coding system was introduced in 2017 with some impact on how statistical data are tabulated. Notes were added to impacted tables.

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.

TABLE OF CONTENTS

Part I St. Lawrence Seaway Toll Traffic

Definitions

Table S1 Traffic Summary

Table S2 Commodity Summary

Table S3 Actual Opening and Closing Dates of Navigation 2003 - 2022

Part II St. Lawrence Seaway Combined Toll Traffic for both the Montreal / Lake Ontario and the Welland Canal Sections

Table C1 Traffic by Class and Type of Vessel

Table C2 Traffic by Classification and Type of Cargo

Table C3-A Traffic by Commodity Classification and Nationality (Upbound)

Table C3-B Traffic by Commodity Classification and Nationality (Downbound)

Table C4 Traffic by Major 25 Canadian Ports

Table C5 Traffic by Major 25 United States Ports

Table C6 Traffic Results 2003 - 2022

Table C7 Cargo by Tariff Classification 2003 - 2022

Part III St. Lawrence Seaway Toll Traffic for the Montreal / Lake Ontario Section

Table M1 Traffic by Class and Type of Vessel

Table M2 Traffic by Classification and Type of Cargo

Table M3-A Traffic by Commodity Classification and Nationality (Upbound)

Table M3-B Traffic by Commodity Classification and Nationality (Downbound)

Table M4 Traffic by Month and Type of Cargo

Table M5 Traffic Results 2003 – 2022

Table M6 Cargo by Tariff Classification 2003 – 2022

Table M7 Vessel Transits 2003 – 2022

Table M8 Commodity Groups 2003 – 2022

Table M9 U.S. Grains 2003 – 2022

Table M10 Canadian Grains 2003 – 2022

Table M11 Selected Mining Commodities 2003 – 2022

Table M12 Selected Processed Commodities 2003 - 2022

continued . . .

TABLE OF CONTENTS

Part IV	St. Lawrence Seaway Toll Traffic for the Welland Canal Section
Table W1	Traffic by Class and Type of Vessel
Table W2	Traffic by Classification and Type of Cargo
Table W3-A	Traffic by Commodity Classification and Nationality (Upbound)
Table W3-B	Traffic by Commodity Classification and Nationality (Downbound)
Table W4	Traffic by Month and Type of Cargo
Table W5	Traffic Results 2003 – 2022
Table W6	Cargo by Tariff Classification
Table W7	Vessel Transits 2003 – 2022
Table W8	Commodity Groups 2003 – 2022
Table W9	U.S. Grains 2003 – 2022
Table W10	Canadian Grains 2003 – 2022
Table W11	Selected Mining Commodities 2003 – 2022
Table W12	Selected Processed Commodities 2003 - 2022

PART I

ST. LAWRENCE SEAWAY TOLL TRAFFIC

DEFINITIONS

AND

2022 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:

Bulk Cargo	<i>The tonnes of bulk cargo assessed at the Bulk rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls</i>
Cargo Tonnes	<i>The tonnes of cargo carried by a vessel on each or any transit.</i>
Coal Cargo	<i>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.</i>
Combined Traffic	<i>Represents total cargo traffic and vessel movements through the St. Lawrence Seaway. It is not the summation of traffic and vessel movements on both sectors. It represents total Seaway traffic, eliminating duplication of vessel transits and cargo quantities moved through more than one traffic sector.</i>
Commodity	<i>The classification of commodities is based on that prescribed by the Canadian Transport Commission and the Interstate Commerce Commission of the United States.</i>
Container Cargo	<i>The tonnes of cargo assessed at the Containers rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.</i>
Destination	<i>The country/port in which the cargo was unloaded.</i>
General Cargo	<i>The tonnes of cargo assessed at the General rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.</i>
Government Aid Cargo	<i>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	<i>The tonnes of cargo assessed at the Grains rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.</i>
Gross Registered Tonnage	<i>The gross registered tonnage of a vessel according to the prescribed rules for measurement under the International Convention on Tonnage Measurement of Ships, 1969.</i>

Mixed Cargo	<i>Indicates that a vessel carried a combination of Bulk, Coal, Grain, Government Aid, Containers, General or Steel Slab cargoes.</i>
Origin	<i>The country/port in which the cargo was loaded.</i>
Passenger	<i>In Table S1, the Gross Registered Tonnage for the Passenger Vessels is included in the Non-Cargo Vessels.</i>
Steel Slab Cargo	<i>The tonnes of cargo assessed at the Steel Slab rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.</i>
Transit	<i>A partial or complete up-bound or downbound passage of a ship through one or more locks of a Seaway Canal.</i>
Tug and Barge Combination	<i>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" is strictly barge transits. Tug transits are now included in the non-cargo category.</i>

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
2022**

TABLE S1

TRAFFIC AND REVENUE	ST. LAWRENCE SEAWAY			MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
TRAFFIC	Tonnes and Transits	% of Total	Variance 2021%	Tonnes and Transits	% of Total	Variance 2021%	Tonnes and Transits	% of Total	Variance 2021%
Cargo Tonnes by Toll Classification:									
Bulk (1)	21,821,079	60.1	- 0.3	16,458,556	56.8	2.5	15,186,026	58.8	- 2.4
Coal	1,770,540	4.9	- 16.3	237,681	0.8	114.6	1,770,540	6.9	- 16.3
Grains	9,995,547	27.5	- 5.8	9,528,509	32.9	- 5.1	7,353,928	28.5	- 11.1
Government Aid	-	-	-	-	-	-	-	-	-
Containers	108,763	0.3	40.7	108,763	0.4	40.7	66,520	0.3	131.0
General Cargo	2,360,179	6.5	- 13.3	2,360,179	8.1	- 13.3	1,432,628	5.5	- 5.1
Steel Slabs	280,005	0.8	- 64.5	280,005	1.0	- 64.5	18,953	0.1	- 88.6
Total Cargo Tonnes	36,336,113	100.0	- 4.9	28,973,693	100.0	- 2.7	25,828,595	100.0	- 6.6
Gross Registered Tonnage: (3)									
Cargo Vessels	50,441,822	98.2	- 4.1	38,679,914	99.0	- 1.1	41,602,477	98.0	- 4.7
Non-Cargo Vessels	901,477	1.8	305.3	396,111	1.0	207.3	842,010	2.0	362.6
Total Gross Registered Tonnage	51,343,299	100.0	- 2.8	39,076,025	100.0	- 0.4	42,444,487	100.0	- 3.1
Vessel Transits: (3)									
Loaded Cargo Vessels	2,114	52.7	- 3.8	1,683	60.9	- 2.7	1,520	48.2	- 3.9
Ballast Cargo Vessels	1,117	27.9	- 2.7	690	25.0	- 2.1	1,097	34.8	- 1.4
Non-Cargo Vessels	777	19.4	35.6	390	14.1	24.2	535	17.0	38.6
Total Vessel Transits	4,008	100.0	2.3	2,763	100.0	0.5	3,152	100.0	2.3
Additional Information: (3)	Number			Number			Number		
Pleasure Craft Lockages	9,301	-	- 10.0	5,741	-	- 17.3	3,560	-	5.0

REVENUE (2)	Revenue	% of Total	Variance 2021%	Revenue	% of Total	Variance 2021%	Revenue	% of Total	Variance 2021%
Traffic Revenue (\$) by Toll Classification (3)	\$			\$			\$		
Bulk (1)	31,116,450	40.0	3.6	18,758,164	49.2	5.9	12,358,287	31.1	0.3
Coal	1,605,421	2.1	- 10.8	154,415	0.4	90.6	1,451,006	3.7	- 15.6
Grains	13,172,546	16.9	- 5.9	7,108,268	18.6	- 2.9	6,064,279	15.3	- 9.1
Government Aid	-	-	-	-	-	-	-	-	-
Containers	133,727	0.2	71.9	89,719	0.2	51.2	44,008	0.1	138.3
General Cargo	8,656,781	11.1	- 9.1	6,776,357	17.8	- 10.8	1,880,424	4.7	- 2.3
Steel Slabs	759,451	1.0	- 65.5	741,453	1.9	- 63.8	17,998	0.0	- 88.4
Gross Registered Tonnage	12,665,527	16.3	2.3	4,492,735	11.8	2.8	8,172,792	20.6	2.0
Lockage Fees	9,721,556	12.5	- 0.0	-	-	-	9,721,556	24.5	- 0.0
Total Tolls - Current Shipping Season	77,831,460	100.0	- 2.4	38,121,111	100.0	- 2.7	39,710,349	100.0	- 2.1

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

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

(3) Passenger vessels included in non-cargo vessels.

**COMMODITY SUMMARY
2022**

TABLE S2

SUMMARY OF MAJOR COMMODITIES	ST. LAWRENCE SEAWAY			MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
	Tonnes	% of Total	Variance 2021%	Tonnes	% of Total	Variance 2021%	Tonnes	% of Total	Variance 2021%
Agricultural Products:									
Wheat	5,044,219	13.9	- 12.1	4,731,030	16.3	- 12.3	4,649,792	18.0	- 14.0
Corn	1,526,958	4.2	8.3	1,526,958	5.3	12.5	465,147	1.8	0.4
Rye	-	-	-	-	-	-	-	-	-
Oats	24,086	0.1	136.3	24,086	0.1	136.3	24,086	0.1	136.3
Barley	11,851	0.0	-	11,851	0.0	-	11,851	0.0	-
Soybeans	2,391,245	6.6	11.0	2,391,245	8.3	11.9	1,227,704	4.8	9.9
Flaxseed	-	-	- 100.0	-	-	- 100.0	-	-	- 100.0
Canola (Rapeseed)	626,027	1.7	- 33.6	472,178	1.6	- 40.0	626,027	2.4	- 33.6
Other Grains	358,755	1.0	14.3	358,755	1.2	14.3	336,915	1.3	16.2
<i>Total Grains</i>	9,983,141	27.5	- 5.9	9,516,103	32.8	- 5.2	7,341,522	28.4	- 11.3
Other Agricultural Products	19,474	0.1	1,071.0	19,474	0.1	1,071.0	19,452	0.1	1,069.7
Total Agricultural Products	10,002,615	27.5	- 5.7	9,535,577	32.9	- 5.0	7,360,974	28.5	- 11.0
Mine Products:									
Iron Ore	6,201,494	17.1	- 9.8	5,567,353	19.2	- 4.9	3,922,589	15.2	- 23.6
Coal	1,770,540	4.9	- 16.3	237,681	0.8	114.6	1,770,540	6.9	- 16.3
Coke	1,645,465	4.5	6.0	1,329,681	4.6	12.4	1,490,516	5.8	4.2
Stone, Ground, Crushed, or Rough	163,554	0.5	- 56.2	103,513	0.4	- 2.6	120,924	0.5	- 58.8
Salt	3,237,525	8.9	15.8	1,083,423	3.7	8.1	3,011,189	11.7	12.5
Other Mine Products	2,563,301	7.1	13.1	2,304,854	8.0	18.1	1,774,549	6.9	35.2
Total Mine Products	15,581,879	42.9	- 2.5	10,626,505	36.7	4.1	12,090,307	46.8	- 6.7
Processed Products:									
Iron and Steel	2,199,913	6.1	- 16.9	2,199,498	7.6	- 16.9	1,312,386	5.1	- 8.9
Steel Slabs	310,560	0.9	- 61.2	310,560	1.1	- 61.2	18,953	0.1	- 88.6
Petroleum Products	2,463,235	6.8	27.4	2,156,403	7.4	25.7	1,902,014	7.4	23.7
Chemicals	722,214	2.0	- 18.0	691,153	2.4	- 16.7	213,815	0.8	- 12.2
Other Processed Products	5,018,407	13.8	- 5.5	3,416,707	11.8	- 2.9	2,894,335	11.2	- 3.9
Total Processed Products	10,714,329	29.5	- 7.4	8,774,321	30.3	- 7.8	6,341,503	24.6	- 0.9
Miscellaneous Cargo:									
Forest Products	35,811	0.1	60.3	35,811	0.1	60.3	35,811	0.1	72.7
Animal Products	1,479	0.0	- 84.9	1,479	0.0	- 84.9	-	-	-
Total Miscellaneous Cargo	37,290	0.1	16.0	37,290	0.1	16.0	35,811	0.1	72.7
GRAND TOTAL	36,336,113	100.0	-4.9	28,973,693	100.0	-2.7	25,828,595	100.0	-6.6

**ACTUAL OPENING AND CLOSING DATES OF NAVIGATION
2003 - 2022**

TABLE S3

YEAR	MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
	Opening	Closing	Days of Navigation	Opening	Closing	Days of Navigation
2003	March 31	December 28	273	March 26	December 30	280
2004	March 25	December 30	281	March 23	December 31	284
2005	March 25	December 29	280	March 23	December 30	283
2006	March 23	December 30	283	March 21	December 30	285
2007	March 21	December 28	283	March 20	December 29	285
2008	March 22	December 29	283	March 20	December 30	286
2009	March 31	December 29	274	March 31	December 30	275
2010	March 25	December 29	280	March 25	December 30	281
2011	March 22	December 30	284	March 22	December 30	284
2012	March 22	December 29	283	March 22	December 31	285
2013	March 22	January 1	286	March 22	January 1	286
2014	March 31	January 1	277	March 28	December 31	279
2015	April 2	December 30	273	April 2	December 31	274
2016	March 23	December 31	284	March 21	December 31	286
2017	March 20	January 11	298	March 20	December 31	287
2018	March 29	December 31	278	March 29	December 31	278
2019	March 26	December 31	281	March 22	January 8	293
2020	April 1	December 31	275	March 24	January 7	290
2021	March 22	January 1	286	March 19	January 7	295
2022	March 22	January 1	286	March 24	January 9	292

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
2022**

ST. LAWRENCE SEAWAY

TABLE C1

CLASS AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES								
	Loaded	Ballast	Total		Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	%
UPBOUND:													
Ocean: Cargo	361	67	428	7,222,533	1,938,333	-	20,975	-	53,407	2,352,322	280,005	4,645,042	12.8
Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	86	12	98	1,063,593	862,022	-	-	-	-	-	-	862,022	2.4
Total Ocean	447	79	526	8,286,126	2,800,355	-	20,975	-	53,407	2,352,322	280,005	5,507,064	15.2
Laker: Cargo	284	507	791	14,352,690	5,383,643	-	24,350	-	8,310	-	-	5,416,303	14.9
Barge	83	59	142	908,126	770,324	-	-	-	-	-	-	770,324	2.1
Tanker	59	104	163	1,823,406	586,904	-	-	-	-	-	-	586,904	1.6
Total Laker	426	670	1,096	17,084,222	6,740,871	-	24,350	-	8,310	-	-	6,773,531	18.6
Non-Cargo (2)	-	395	395	451,000	-	-	-	-	-	-	-	-	-
Total Upbound	873	1,144	2,017	25,821,348	9,541,226	-	45,325	-	61,717	2,352,322	280,005	12,280,595	33.8
DOWNBOUND:													
Ocean: Cargo	332	82	414	6,951,079	1,828,443	-	3,975,109	-	21,500	7,741	-	5,832,793	16.1
Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	44	54	98	1,063,593	312,563	-	-	-	-	-	-	312,563	0.9
Total Ocean	376	136	512	8,014,672	2,141,006	-	3,975,109	-	21,500	7,741	-	6,145,356	16.9
Laker: Cargo	666	125	791	14,339,712	8,404,304	1,770,540	5,887,058	-	25,546	116	-	16,087,564	44.3
Barge	70	73	143	895,216	414,592	-	88,055	-	-	-	-	502,647	1.4
Tanker	129	34	163	1,821,874	1,319,951	-	-	-	-	-	-	1,319,951	3.6
Total Laker	865	232	1,097	17,056,802	10,138,847	1,770,540	5,975,113	-	25,546	116	-	17,910,162	49.3
Non-Cargo (2)	-	382	382	450,477	-	-	-	-	-	-	-	-	-
Total Downbound	1,241	750	1,991	25,521,951	12,279,853	1,770,540	9,950,222	-	47,046	7,857	-	24,055,518	66.2
TOTALS:													
Ocean: Cargo	693	149	842	14,173,612	3,766,776	-	3,996,084	-	74,907	2,360,063	280,005	10,477,835	28.8
Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	130	66	196	2,127,186	1,174,585	-	-	-	-	-	-	1,174,585	3.2
Total Ocean	823	215	1,038	16,300,798	4,941,361	-	3,996,084	-	74,907	2,360,063	280,005	11,652,420	32.1
Laker: Cargo	950	632	1,582	28,692,402	13,787,947	1,770,540	5,911,408	-	33,856	116	-	21,503,867	59.2
Barge	153	132	285	1,803,342	1,184,916	-	88,055	-	-	-	-	1,272,971	3.5
Tanker	188	138	326	3,645,280	1,906,855	-	-	-	-	-	-	1,906,855	5.2
Total Laker	1,291	902	2,193	34,141,024	16,879,718	1,770,540	5,999,463	-	33,856	116	-	24,683,693	67.9
Non-Cargo (2)	-	777	777	901,477	-	-	-	-	-	-	-	-	-
GRAND TOTAL	2,114	1,894	4,008	51,343,299	21,821,079	1,770,540	9,995,547	-	108,763	2,360,179	280,005	36,336,113	100.0

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

(2) Includes passenger vessels.

**TRAFFIC BY CLASSIFICATION AND TYPE OF CARGO
2022**

TABLE C2

ST. LAWRENCE SEAWAY

COMMODITY	CARGO TONNES								% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	
Wheat	-	-	5,044,219	-	-	-	-	5,044,219	13.9
Corn	-	-	1,526,958	-	-	-	-	1,526,958	4.2
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	24,086	-	-	-	-	24,086	0.1
Barley	-	-	11,851	-	-	-	-	11,851	0.0
Canola (Rapeseed)	-	-	626,027	-	-	-	-	626,027	1.7
Canola Meal, Pellets	-	-	26,640	-	-	-	-	26,640	0.1
Flour, Wheat & Other Edible	-	-	19,443	-	-	-	-	19,443	0.1
Soybeans	-	-	2,389,653	-	1,592	-	-	2,391,245	6.6
Soybean Oil Cake, Meal, Pellets	-	-	88,935	-	-	-	-	88,935	0.2
Beans and Peas	-	-	22,252	-	5,365	-	-	27,617	0.1
Flaxseed	-	-	-	-	-	-	-	-	-
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	215,483	-	111	-	-	215,594	0.6
Total Agricultural Products	-	-	9,995,547	-	7,068	-	-	10,002,615	27.5
Packing House Products, Edible	1,479	-	-	-	-	-	-	1,479	0.0
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	-	-	-	-	-	-	-	-	-
Total Animal Products	1,479	-	-	-	-	-	-	1,479	0.0
Bituminous Coal	-	1,770,540	-	-	-	-	-	1,770,540	4.9
Coke	1,645,465	-	-	-	-	-	-	1,645,465	4.5
Iron Ore	6,201,494	-	-	-	-	-	-	6,201,494	17.1
Aluminum Ore and Concentrates	112,111	-	-	-	-	-	-	112,111	0.3
Clay and Bentonite	8,495	-	-	-	-	-	-	8,495	0.0
Gravel and Sand	75,005	-	-	-	306	-	-	75,311	0.2
Stone	163,554	-	-	-	-	-	-	163,554	0.5
Salt	3,237,525	-	-	-	-	-	-	3,237,525	8.9
Potash	1,092,580	-	-	-	22	-	-	1,092,602	3.0
Gypsum	788,879	-	-	-	-	-	-	788,879	2.2
Asphalt	311,071	-	-	-	-	-	-	311,071	0.9
Other Mine Products	174,522	-	-	-	310	-	-	174,832	0.5
Total Mine Products	13,810,701	1,770,540	-	-	638	-	-	15,581,879	42.9
Lumber	33,329	-	-	-	39	-	-	33,368	0.1
Other Forest Products	-	-	-	-	327	2,116	-	2,443	0.0
Total Forest Products	33,329	-	-	-	366	2,116	-	35,811	0.1
Gasoline	1,043,095	-	-	-	-	-	-	1,043,095	2.9
Fuel Oil	1,382,864	-	-	-	16	-	-	1,382,880	3.8
Other Petroleum Products	37,155	-	-	-	105	-	-	37,260	0.1
Chemicals	690,164	-	-	-	19,518	12,532	-	722,214	2.0
Sodium Products	16,155	-	-	-	103	-	-	16,258	0.0
Tar, Pitch and Creosote	66,970	-	-	-	299	-	-	67,269	0.2
Pig Iron	99,684	-	-	-	-	-	-	99,684	0.3
Iron and Steel	12,914	-	-	-	1,464	2,185,535	-	2,199,913	6.1
Steel Slabs	30,555	-	-	-	-	-	280,005	310,560	0.9
Machinery and Machines	541	-	-	-	2,740	17,742	-	21,023	0.1
Cement	1,256,816	-	-	-	-	-	-	1,256,816	3.5
Cement Clinkers	582,258	-	-	-	-	-	-	582,258	1.6
Woodpulp	7,798	-	-	-	-	-	-	7,798	0.0
Newsprint and Paper Products	-	-	-	-	11,424	-	-	11,424	0.0
Syrup and Molasses	-	-	-	-	483	-	-	483	0.0
Sugar	758,660	-	-	-	363	-	-	759,023	2.1
Food Products	-	-	-	-	497	-	-	497	0.0
Furnace Slags	969,388	-	-	-	-	-	-	969,388	2.7
Scrap Iron and Steel	70,336	-	-	-	-	-	-	70,336	0.2
Other Manufactures and Misc. (2)	950,217	-	-	-	63,679	142,254	-	1,156,150	3.2
Total Manufactures and Misc.	7,975,570	-	-	-	100,691	2,358,063	280,005	10,714,329	29.5
GRAND TOTAL	21,821,079	1,770,540	9,995,547	-	108,763	2,360,179	280,005	36,336,113	100.0

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

(2) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2022**

TABLE C3 - Part A

ST. LAWRENCE SEAWAY

NO.	COMMODITY	from: to:	UPBOUND TONNES						TOTAL UPBOUND	% OF TOTAL UP- BOUND
			CANADA		UNITED STATES		FOREIGN			
			Canada	United States	Canada	United States	Canada	United States		
1	Wheat	-	12,499	-	-	-	-	12,499	0.1	
2	Corn	-	-	-	-	-	-	-	-	
3	Rye	-	-	-	-	-	-	-	-	
4	Oats	-	-	-	-	-	20,975	20,975	0.2	
5	Barley	-	11,851	-	-	-	-	11,851	0.1	
6	Canola (Rapeseed)	-	-	-	-	-	-	-	-	
7	Canola Meal, Pellets	-	-	-	-	-	-	-	-	
8	Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-	
9	Soybeans	-	-	-	-	-	-	-	-	
10	Soybean Oil Cake, Meal, Pellets	-	-	-	-	-	-	-	-	
11	Beans and Peas	-	-	-	-	-	-	-	-	
12	Flaxseed	-	-	-	-	-	-	-	-	
13	Sunflower Seeds	-	-	-	-	-	-	-	-	
14	Other Agricultural Products	-	-	-	-	22	9	31	0.0	
15	Total Agricultural Products	-	24,350	-	-	22	20,984	45,356	0.4	
16	Packing House Products, Edible	-	-	-	-	-	-	-	-	
17	Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	
18	Other Animal Products	-	-	-	-	-	-	-	-	
19	Total Animal Products	-	-	-	-	-	-	-	-	
20	Bituminous Coal	-	-	-	-	-	-	-	-	
21	Coke	-	-	-	-	-	31,491	31,491	0.3	
22	Iron Ore	2,278,905	84,313	-	-	-	-	2,363,218	19.2	
23	Aluminum Ore and Concentrates	-	93,643	7,008	-	11,460	-	112,111	0.9	
24	Clay and Bentonite	-	-	-	-	80	-	80	0.0	
25	Gravel and Sand	-	-	-	-	-	306	306	0.0	
26	Stone	57,884	-	-	-	-	60,883	118,767	1.0	
27	Salt	204,221	-	22,115	-	-	-	226,336	1.8	
28	Potash	-	-	-	-	212	-	212	0.0	
29	Gypsum	675,347	71,402	-	-	42,130	-	788,879	6.4	
30	Asphalt	-	58,171	-	-	-	-	58,171	0.5	
31	Other Mine Products	-	-	-	-	19,455	113,558	133,013	1.1	
32	Total Mine Products	3,216,357	307,529	29,123	-	73,337	206,238	3,832,584	31.2	
33	Lumber	-	-	-	-	-	33,329	33,329	0.3	
34	Other Forest Products	-	-	-	-	-	2,443	2,443	0.0	
35	Total Forest Products	-	-	-	-	-	35,772	35,772	0.3	
36	Gasoline	422,359	-	84,886	-	147,870	-	655,115	5.3	
37	Fuel Oil	129,243	22,535	53,412	-	2,003	-	207,193	1.7	
38	Other Petroleum Products	-	-	-	-	10,921	-	10,921	0.1	
39	Chemicals	-	5,104	79,995	-	479,113	30,442	594,654	4.8	
40	Sodium Products	-	-	-	-	16,155	103	16,258	0.1	
41	Tar, Pitch and Creosote	-	-	-	-	38,010	-	38,010	0.3	
42	Pig Iron	-	67,507	-	-	-	32,177	99,684	0.8	
43	Iron and Steel	12,499	-	-	-	1,163,744	1,015,981	2,192,224	17.9	
44	Steel Slabs	30,555	-	-	-	280,005	-	310,560	2.5	
45	Machinery and Machines	541	-	-	-	7,662	12,715	20,918	0.2	
46	Cement	463,777	523,037	-	-	79,453	190,549	1,256,816	10.2	
47	Cement Clinkers	-	582,258	-	-	-	-	582,258	4.7	
48	Woodpulp	-	-	-	-	-	7,798	7,798	0.1	
49	Newsprint and Paper Products	-	-	-	-	-	11,424	11,424	0.1	
50	Syrup and Molasses	-	-	-	-	-	483	483	0.0	
51	Sugar	141,671	-	-	-	558,837	58,515	759,023	6.2	
52	Food Products	-	-	-	-	73	424	497	0.0	
53	Furnace Slags	263,777	198,929	-	-	-	51,969	514,675	4.2	
54	Scrap Iron and Steel	-	52,460	-	-	-	-	52,460	0.4	
55	Other Manufactures and Misc. (1)	75,443	335,469	53,489	-	369,484	202,027	1,035,912	8.4	
56	Total Manufactures and Misc.	1,539,865	1,787,299	271,782	-	3,153,330	1,614,607	8,366,883	68.1	
57	GRAND TOTAL	4,756,222	2,119,178	300,905	-	3,226,689	1,877,601	12,280,595	100.0	

(1) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2022**

TABLE C3 - Part B

ST. LAWRENCE SEAWAY

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					
3,970,031	-	765,623	-	-	296,066	5,031,720	20.9	5,044,219	13.9	1
83,468	-	1,224,050	36,018	-	183,422	1,526,958	6.3	1,526,958	4.2	2
-	-	-	-	-	-	-	-	-	-	3
-	-	3,111	-	-	-	3,111	0.0	24,086	0.1	4
-	-	-	-	-	-	-	-	11,851	0.0	5
385,006	-	241,021	-	-	-	626,027	2.6	626,027	1.7	6
-	-	26,640	-	-	-	26,640	0.1	26,640	0.1	7
-	-	19,443	-	-	-	19,443	0.1	19,443	0.1	8
1,126,204	-	626,930	325,125	-	312,986	2,391,245	9.9	2,391,245	6.6	9
49,261	-	39,674	-	-	-	88,935	0.4	88,935	0.2	10
-	-	22,252	-	-	5,365	27,617	0.1	27,617	0.1	11
-	-	-	-	-	-	-	-	-	-	12
-	-	-	-	-	-	-	-	-	-	13
-	-	21,840	-	-	193,723	215,563	0.9	215,594	0.6	14
5,613,970	-	2,990,584	361,143	-	991,562	9,957,259	41.4	10,002,615	27.5	15
-	1,479	-	-	-	-	1,479	0.0	1,479	0.0	16
-	-	-	-	-	-	-	-	-	-	17
-	-	-	-	-	-	-	-	-	-	18
-	1,479	-	-	-	-	1,479	0.0	1,479	0.0	19
47,246	-	-	1,723,294	-	-	1,770,540	7.4	1,770,540	4.9	20
271,810	-	308,244	610,347	-	423,573	1,613,974	6.7	1,645,465	4.5	21
228,462	-	-	3,590,939	-	18,875	3,838,276	16.0	6,201,494	17.1	22
-	-	-	-	-	-	-	-	112,111	0.3	23
-	-	8,415	-	-	-	8,415	0.0	8,495	0.0	24
-	-	-	75,005	-	-	75,005	0.3	75,311	0.2	25
44,787	-	-	-	-	-	44,787	0.2	163,554	0.5	26
2,097,091	112,185	-	801,913	-	-	3,011,189	12.5	3,237,525	8.9	27
47,544	12,756	1,032,090	-	-	-	1,092,390	4.5	1,092,602	3.0	28
-	-	-	-	-	-	-	-	788,879	2.2	29
115,026	48,496	-	89,378	-	-	252,900	1.1	311,071	0.9	30
-	-	-	41,819	-	-	41,819	0.2	174,832	0.5	31
2,851,966	173,437	1,348,749	6,932,695	-	442,448	11,749,295	48.8	15,581,879	42.9	32
-	-	-	-	-	39	39	0.0	33,368	0.1	33
-	-	-	-	-	-	-	-	2,443	0.0	34
-	-	-	-	-	39	39	0.0	35,811	0.1	35
376,773	11,207	-	-	-	-	387,980	1.6	1,043,095	2.9	36
1,092,408	35,659	47,604	-	-	16	1,175,687	4.9	1,382,880	3.8	37
4,016	-	22,218	-	-	105	26,339	0.1	37,260	0.1	38
19,176	15,626	3,619	82,253	-	6,886	127,560	0.5	722,214	2.0	39
-	-	-	-	-	-	-	-	16,258	0.0	40
-	20,332	8,927	-	-	-	29,259	0.1	67,269	0.2	41
-	-	-	-	-	-	-	-	99,684	0.3	42
415	-	-	-	-	7,274	7,689	0.0	2,199,913	6.1	43
-	-	-	-	-	-	-	-	310,560	0.9	44
-	-	101	-	-	4	105	0.0	21,023	0.1	45
-	-	-	-	-	-	-	-	1,256,816	3.5	46
-	-	-	-	-	-	-	-	582,258	1.6	47
-	-	-	-	-	-	-	-	7,798	0.0	48
-	-	-	-	-	-	-	-	11,424	0.0	49
-	-	-	-	-	-	-	-	483	0.0	50
-	-	-	-	-	-	-	-	759,023	2.1	51
-	-	-	-	-	-	-	-	497	0.0	52
383,233	-	-	71,480	-	-	454,713	1.9	969,388	2.7	53
-	-	17,876	-	-	-	17,876	0.1	70,336	0.2	54
54,472	29,779	25,993	-	6,610	3,384	120,238	0.5	1,156,150	3.2	55
1,930,493	112,603	126,338	153,733	6,610	17,669	2,347,446	9.8	10,714,329	29.5	56
10,396,429	287,519	4,465,671	7,447,571	6,610	1,451,718	24,055,518	100.0	36,336,113	100.0	57

**TRAFFIC BY MAJOR 25 CANADIAN PORTS
2022**

TABLE C4

ST. LAWRENCE SEAWAY

PORT OR AREA (2)	SHIP-MENTS	CARGO TONNES (3)								
		Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	%
INBOUND:										
Hamilton	522	4,842,469	1,265,524	434,537	-	-	371,796	261,052	7,175,378	14.9
Quebec	181	3,327,587	16,448	1,212,829	-	-	-	-	4,556,864	9.5
Montreal	79	468,052	-	1,207,929	-	-	-	-	1,675,981	3.5
Toronto	111	1,443,410	-	-	-	-	161,354	-	1,604,764	3.3
Baie Comeau	52	-	-	1,284,086	-	-	-	-	1,284,086	2.7
Port Cartier	51	187,883	-	953,192	-	-	-	-	1,141,075	2.4
Sorel/Tracy	91	585,346	-	514,464	-	-	-	-	1,099,810	2.3
Cote Ste. Catherine	87	955,135	27,203	-	-	3,903	-	-	986,241	2.0
Clarkson/Mississauga	78	846,877	105,626	-	-	-	-	-	952,503	2.0
Johnstown	32	618,417	-	-	-	-	30,688	-	649,105	1.3
Valleyfield	257	451,699	-	-	-	8,780	136,329	-	596,808	1.2
Oakville	51	496,366	-	-	-	-	-	-	496,366	1.0
Oshawa	66	285,019	-	-	-	-	175,610	-	460,629	1.0
Becancour	15	167,048	-	225,022	-	-	-	-	392,070	0.8
Bowmanville	17	276,173	106,092	-	-	-	-	-	382,265	0.8
Sarnia	39	378,204	-	-	-	-	-	-	378,204	0.8
Sault Ste. Marie	16	132	-	-	-	-	209,308	18,953	228,393	0.5
Sept Iles	11	192,439	-	-	-	-	-	-	192,439	0.4
Halifax	15	121,876	-	49,016	-	-	-	-	170,892	0.4
Thorold	14	151,264	-	-	-	-	12,591	-	163,855	0.3
Belledune	6	158,356	-	-	-	-	-	-	158,356	0.3
Morrisburg	8	149,331	-	-	-	-	-	-	149,331	0.3
Sydney	7	14,230	124,372	-	-	-	-	-	138,602	0.3
Picton	10	34,682	55,617	-	-	-	17,641	-	107,940	0.2
Port Daniel	5	106,753	-	-	-	-	-	-	106,753	0.2
Other Canada	142	587,847	69,658	94,038	-	26,662	100,901	-	879,106	1.8
Total Inbound	1,963	16,846,595	1,770,540	5,975,113	-	39,345	1,216,218	280,005	26,127,816	54.3
OUTBOUND:										
Thunder Bay	302	1,298,643	27,107	4,979,425	-	-	-	-	6,305,175	13.1
Hamilton	156	348,460	-	2,323,376	-	-	406	-	2,672,242	5.5
Port Cartier	77	2,278,905	-	-	-	-	-	-	2,278,905	4.7
Goderich	83	1,357,110	-	238,346	-	-	-	-	1,595,456	3.3
Sarnia	117	924,611	-	410,795	-	-	-	-	1,335,406	2.8
Nanticoke	106	1,257,901	20,139	-	-	-	-	-	1,278,040	2.7
Windsor	63	873,851	-	269,535	-	-	-	-	1,143,386	2.4
Quebec	41	848,339	-	-	-	-	-	-	848,339	1.8
Bowmanville	65	800,028	-	-	-	-	-	-	800,028	1.7
Montreal	56	483,492	-	-	-	-	-	-	483,492	1.0
Port Daniel	49	441,317	-	-	-	-	-	-	441,317	0.9
Sept Iles	43	328,154	-	-	-	-	-	-	328,154	0.7
Trois Rivieres	15	301,033	-	11,851	-	-	-	-	312,884	0.6
Dartmouth	12	312,411	-	-	-	-	-	-	312,411	0.6
Sault Ste. Marie	14	312,380	-	-	-	-	-	-	312,380	0.6
Johnstown	18	14,254	-	255,923	-	-	-	-	270,177	0.6
Sorel/Tracy	27	238,159	-	-	-	-	-	-	238,159	0.5
Bath	40	200,481	-	-	-	-	-	-	200,481	0.4
Magdalen Islands	6	155,910	-	-	-	-	-	-	155,910	0.3
Picton	21	127,246	-	-	-	-	76	-	127,322	0.3
Ramey's Bend	9	-	-	109,318	-	1,592	-	-	110,910	0.2
Stephenville	6	98,483	-	-	-	-	-	-	98,483	0.2
Clarkson/Mississauga	23	84,427	-	-	-	-	-	-	84,427	0.2
Cote Ste. Catherine	26	42,194	-	-	-	15,982	-	-	58,176	0.1
Bruce Mines	3	44,787	-	-	-	-	-	-	44,787	0.1
Other Canada	70	137,825	-	28,743	-	21,888	116	-	188,572	0.4
Total Outbound	1,448	13,310,401	47,246	8,627,312	-	39,462	598	-	22,025,019	45.7
GRAND TOTAL	3 411	30 156 996	1 817 786	14 602 425	-	78 807	1 216 816	280 005	48 152 835	100.0

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

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

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

**TRAFFIC BY MAJOR 25 UNITED STATES PORTS
2022**

TABLE C5

ST. LAWRENCE SEAWAY

PORT OR AREA (2)	SHIP- MENTS	CARGO TONNES (3)								
		Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	%
INBOUND:										
Cleveland	562	448,795	-	-	-	45,518	349,994	-	844,307	6.3
Detroit	109	771,163	-	-	-	54	72,420	-	843,637	6.3
Toledo	47	397,060	-	33,474	-	-	211	-	430,745	3.2
Chicago	102	137,878	-	-	-	-	171,765	-	309,643	2.3
Ashtabula	21	275,979	-	-	-	-	-	-	275,979	2.0
Burns Harbor	67	46,091	-	-	-	-	214,970	-	261,061	1.9
Milwaukee	61	1,442	-	-	-	-	218,691	-	220,133	1.6
Duluth	34	166,386	-	-	-	2,346	18,893	-	187,625	1.4
Oswego	49	133,883	-	-	-	-	20,367	-	154,250	1.1
Buffalo	30	115,347	-	-	-	-	26,432	-	141,779	1.1
Ogdensburg	16	112,185	-	-	-	-	13,017	-	125,202	0.9
East Chicago/Indiana Harbour	4	112,475	-	-	-	-	-	-	112,475	0.8
Charlevoix	4	79,234	-	-	-	-	-	-	79,234	0.6
Marinette	7	36,663	-	-	-	-	3,548	-	40,211	0.3
Houston	4	34,956	-	-	-	-	-	-	34,956	0.3
Conneaut	1	28,078	-	-	-	-	-	-	28,078	0.2
New York	2	23,918	-	-	-	-	-	-	23,918	0.2
Gary	1	22,312	-	-	-	-	-	-	22,312	0.2
Monroe	4	21,661	-	-	-	-	-	-	21,661	0.2
Saint Rose	5	20,007	-	-	-	-	-	-	20,007	0.1
Bay City	18	-	-	-	-	-	18,149	-	18,149	0.1
Baltimore	3	16,993	-	-	-	-	-	-	16,993	0.1
Green Bay	2	12,902	-	-	-	-	-	-	12,902	0.1
Manitowoc	1	-	-	11,851	-	-	-	-	11,851	0.1
Port Reading	1	9,135	-	-	-	-	-	-	9,135	0.1
Other U.S. Ports	23	37,018	-	-	-	-	7,647	-	44,665	0.3
Total Inbound	1,178	3,061,561	-	45,325	-	47,918	1,136,104	-	4,290,908	31.8
OUTBOUND:										
Superior	67	1,823,359	-	43,953	-	-	-	-	1,867,312	13.8
Toledo	86	127,952	835,226	843,406	-	-	-	-	1,806,584	13.4
Two Harbors	53	1,484,037	-	-	-	-	-	-	1,484,037	11.0
Sandusky	47	66,523	728,453	-	-	-	-	-	794,976	5.9
Duluth	41	351,350	-	367,861	-	5,242	-	-	724,453	5.4
Fairport Harbour	23	478,526	-	-	-	-	-	-	478,526	3.5
Cleveland	124	362,458	-	-	-	10,652	4,358	-	377,468	2.8
Detroit	39	357,496	-	-	-	-	-	-	357,496	2.6
East Chicago/Indiana Harbour	9	214,556	-	-	-	-	-	-	214,556	1.6
Burns Harbor	9	177,759	-	-	-	-	2,901	-	180,660	1.3
Conneaut	4	116,197	-	-	-	-	-	-	116,197	0.9
Brevort	5	107,736	-	-	-	-	-	-	107,736	0.8
Buffalo	4	-	86,075	-	-	-	-	-	86,075	0.6
Ludington	12	82,253	-	-	-	-	-	-	82,253	0.6
Ashtabula	5	33,283	46,337	-	-	-	-	-	79,620	0.6
Milwaukee	2	-	-	49,891	-	-	-	-	49,891	0.4
New York	7	45,458	-	-	-	-	-	-	45,458	0.3
Oswego	5	-	-	42,149	-	-	-	-	42,149	0.3
Morehead City	2	37,256	-	-	-	-	-	-	37,256	0.3
Tampa	3	30,000	-	-	-	-	-	-	30,000	0.2
Chicago	1	-	27,203	-	-	-	-	-	27,203	0.2
Baton Rouge	3	26,809	-	-	-	-	-	-	26,809	0.2
Carteret	2	22,792	-	-	-	-	-	-	22,792	0.2
Charlevoix	1	22,281	-	-	-	-	-	-	22,281	0.2
Brunswick	2	22,115	-	-	-	-	-	-	22,115	0.2
Other U.S. Ports	30	122,901	-	-	-	-	-	-	122,901	0.9
Total Outbound	586	6,113,097	1,723,294	1,347,260	-	15,894	7,259	-	9,206,804	68.2

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

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

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

**TRAFFIC RESULTS
2003 - 2022**

TABLE C6

ST. LAWRENCE SEAWAY

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
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
2004	2,506	1,584	4,090	20,782,503	22,699,067	43,481,570	21,477,380	21,428,094	42,905,474
2005	2,172	2,189	4,361	20,345,001	22,956,145	43,301,146	21,532,816	21,470,054	43,002,870
2006	2,317	2,296	4,613	22,386,679	24,777,481	47,164,160	23,261,882	23,026,783	46,288,665
2007	2,220	2,230	4,450	17,795,395	25,214,796	43,010,191	22,620,354	22,494,172	45,114,526
2008	2,114	2,118	4,232	15,812,767	24,985,325	40,798,092	21,793,611	21,735,721	43,529,332
2009	1,830	1,801	3,631	8,833,663	21,874,333	30,707,996	18,594,575	18,426,700	37,021,275
2010	1,952	1,973	3,925	13,095,330	23,452,037	36,547,367	21,042,606	20,909,857	41,952,463
2011	2,121	2,106	4,227	13,740,741	23,798,869	37,539,610	22,494,822	22,262,047	44,756,869
2012	2,047	2,036	4,083	14,424,943	24,630,523	39,055,466	23,210,732	22,953,151	46,163,883
2013	1,950	1,950	3,900	11,946,988	25,107,681	37,054,669	22,640,639	22,502,914	45,143,553
2014	1,980	1,957	3,937	13,842,660	26,044,382	39,887,042	24,748,282	24,324,218	49,072,500
2015	1,903	1,878	3,781	14,326,354	21,923,218	36,249,572	22,435,191	22,068,722	44,503,913
2016	1,895	1,879	3,774	12,527,411	22,482,548	35,009,959	22,696,584	22,457,012	45,153,596
2017	2,066	2,061	4,127	12,252,998	26,026,760	38,279,758	25,632,598	25,449,379	51,081,977
2018	2,208	2,181	4,389	14,784,295	26,226,761	41,011,056	27,176,118	26,943,200	54,119,318
2019	2,077	2,059	4,136	14,435,642	23,939,416	38,375,058	26,990,377	26,759,415	53,749,792
2020	1,931	1,925	3,856	10,772,572	26,988,978	37,761,550	26,998,619	26,718,634	53,717,253
2021	1,969	1,949	3,918	12,983,019	25,209,952	38,192,971	26,564,274	26,233,156	52,797,430
2022	2,017	1,991	4,008	12,280,595	24,055,518	36,336,113	25,821,348	25,521,951	51,343,299
TOTAL	41,223	40,101	81,324	297,198,621	483,412,534	780,611,155	468,342,327	464,057,587	932,399,914

**CARGO BY TARIFF CLASSIFICATION
2003 - 2022**

TABLE C7

ST. LAWRENCE SEAWAY

YEAR	BULK (1)		COAL		GRAINS		GOVT. AID		CONTAINERS		GENERAL CARGO		STEEL SLABS		TOTAL
	Tonnes	%	TONNES	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	TONNES
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
2004	25,661,995	59.0	4 230 079	9.7	9,322,479	21.4	-	-	14,983	0.0	3,708,282	8.5	543 752	1.3	43,481,570
2005	26,558,285	61.3	3 693 199	8.5	9,773,084	22.6	-	-	17,285	0.0	2,632,002	6.1	627 291	1.4	43,301,146
2006	27,336,704	58.0	3,714,491	7.9	11,538,123	24.5	11,064	0.0	19,358	0.0	3,646,846	7.7	897,574	1.9	47,164,160
2007	27,016,397	62.8	3,159,070	7.3	10,405,868	24.2	-	-	23,377	0.1	1,988,841	4.6	416,638	1.0	43,010,191
2008	27,625,491	67.7	3,638,907	8.9	7,592,107	18.6	-	-	27,266	0.1	1,851,389	4.5	62,932	0.2	40,798,092
2009	18,718,941	61.0	2,852,049	9.3	8,181,113	26.6	-	-	45,351	0.1	849,280	2.8	61,262	0.2	30,707,996
2010	22,063,968	60.4	3,695,900	10.1	9,206,753	25.2	-	-	38,015	0.1	1,463,210	4.0	79,521	0.2	36,547,367
2011	23,657,035	63.0	3,739,848	10.0	8,613,271	22.9	-	-	36,702	0.1	1,410,756	3.8	81,998	0.2	37,539,610
2012	24,067,976	61.6	4,595,715	11.8	8,619,112	22.1	-	-	34,122	0.1	1,578,012	4.0	160,529	0.4	39,055,466
2013	22,825,891	61.6	4,453,956	12.0	8,373,966	22.6	-	-	36,653	0.1	1,343,061	3.6	21,142	0.1	37,054,669
2014	20,629,092	51.7	4,204,227	10.5	12,100,960	30.3	-	-	44,073	0.1	2,554,080	6.4	354,610	0.9	39,887,042
2015	20,460,152	56.4	2,497,029	6.9	10,858,549	30.0	-	-	69,797	0.2	2,161,175	6.0	202,870	0.6	36,249,572
2016	19,159,893	54.7	2,248,123	6.4	11,265,856	32.2	-	-	58,953	0.2	2,054,777	5.9	222,357	0.6	35,009,959
2017	22,794,120	59.5	2,250,002	5.9	10,173,966	26.6	-	-	58,605	0.2	2,512,625	6.6	490,440	1.3	38,279,758
2018	23,082,794	56.3	2,544,993	6.2	12,297,374	30.0	-	-	63,272	0.2	2,272,262	5.5	750,361	1.8	41,011,056
2019	23,660,310	61.7	2,391,464	6.2	10,471,588	27.3	-	-	93,680	0.2	1,579,277	4.1	178,739	0.5	38,375,058
2020	20,015,781	53.0	2,438,993	6.5	13,301,804	35.2	-	-	71,949	0.2	1,429,597	3.8	503,426	1.3	37,761,550
2021	21,880,642	57.3	2,115,932	5.5	10,609,179	27.8	-	-	77,290	0.2	2,721,729	7.1	788,199	2.1	38,192,971
2022	21,821,079	60.1	1,770,540	4.9	9,995,547	27.5	-	-	108,763	0.3	2,360,179	6.5	280,005	0.8	36,336,113
TOTAL	463,473,469	59.4	64,430,708	8.3	202,346,329	25.9	18,890	0.0	954,702	0.1	42,236,043	5.4	7,151,014	0.9	780,611,155

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition to domestic in the Tariff of Tolls.

PART III

ST. LAWRENCE SEAWAY

TOLL TRAFFIC

FOR THE

MONTREAL - LAKE ONTARIO SECTION

**TRAFFIC BY CLASS AND TYPE OF VESSEL
2022**

TABLE M1 **MONTREAL-LAKE ONTARIO SECTION**

CLASS AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES									
	Loaded	Ballast	Total		Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	%	
UPBOUND:														
Ocean:	Cargo	361	56	417	6,987,259	1,938,333	-	20,975	-	53,407	2,352,322	280,005	4,645,042	16.0
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	86	8	94	1,027,623	862,022	-	-	-	-	-	-	862,022	3.0
	Total Ocean	447	64	511	8,014,882	2,800,355	-	20,975	-	53,407	2,352,322	280,005	5,507,064	19.0
Laker:	Cargo	223	256	479	9,347,329	4,707,620	-	11,851	-	8,310	-	-	4,727,781	16.3
	Barge	20	32	52	361,175	194,752	-	-	-	-	-	-	194,752	0.7
	Tanker	59	85	144	1,625,747	586,904	-	-	-	-	-	-	586,904	2.0
	Total Laker	302	373	675	11,334,251	5,489,276	-	11,851	-	8,310	-	-	5,509,437	19.0
Non-Cargo (2)		-	200	200	197,175	-	-	-	-	-	-	-	-	-
	Total Upbound	749	637	1,386	19,546,308	8,289,631	-	32,826	-	61,717	2,352,322	280,005	11,016,501	38.0
DOWNBOUND:														
Ocean:	Cargo	332	82	414	6,951,079	1,828,443	-	3,975,109	-	21,500	7,741	-	5,832,793	20.1
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	32	62	94	1,027,623	223,590	-	-	-	-	-	-	223,590	0.8
	Total Ocean	364	144	508	7,978,702	2,052,033	-	3,975,109	-	21,500	7,741	-	6,056,383	20.9
Laker:	Cargo	417	63	480	9,350,424	4,736,510	237,681	5,432,519	-	25,546	116	-	10,432,372	36.0
	Barge	47	7	54	364,343	295,641	-	88,055	-	-	-	-	383,696	1.3
	Tanker	106	39	145	1,637,312	1,084,741	-	-	-	-	-	-	1,084,741	3.7
	Total Laker	570	109	679	11,352,079	6,116,892	237,681	5,520,574	-	25,546	116	-	11,900,809	41.1
Non-Cargo (2)		-	190	190	198,936	-	-	-	-	-	-	-	-	-
	Total Downbound	934	443	1,377	19,529,717	8,168,925	237,681	9,495,683	-	47,046	7,857	-	17,957,192	62.0
TOTALS:														
Ocean:	Cargo	693	138	831	13,938,338	3,766,776	-	3,996,084	-	74,907	2,360,063	280,005	10,477,835	36.2
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	118	70	188	2,055,246	1,085,612	-	-	-	-	-	-	1,085,612	3.7
	Total Ocean	811	208	1,019	15,993,584	4,852,388	-	3,996,084	-	74,907	2,360,063	280,005	11,563,447	39.9
Laker:	Cargo	640	319	959	18,697,753	9,444,130	237,681	5,444,370	-	33,856	116	-	15,160,153	52.3
	Barge	67	39	106	725,518	490,393	-	88,055	-	-	-	-	578,448	2.0
	Tanker	165	124	289	3,263,059	1,671,645	-	-	-	-	-	-	1,671,645	5.8
	Total Laker	872	482	1,354	22,686,330	11,606,168	237,681	5,532,425	-	33,856	116	-	17,410,246	60.1
Non-Cargo (2)		-	390	390	396,111	-	-	-	-	-	-	-	-	-
GRAND TOTAL		1,683	1,080	2,763	39,076,025	16,458,556	237,681	9,528,509	-	108,763	2,360,179	280,005	28,973,693	100.0

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls

(2) Includes passenger vessels.

**TRAFFIC BY CLASSIFICATION AND TYPE OF CARGO
2022**

TABLE M2

MONTREAL-LAKE ONTARIO SECTION

COMMODITY	CARGO TONNES								% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	
Wheat	-	-	4,731,030	-	-	-	-	4,731,030	16.3
Corn	-	-	1,526,958	-	-	-	-	1,526,958	5.3
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	24,086	-	-	-	-	24,086	0.1
Barley	-	-	11,851	-	-	-	-	11,851	0.0
Canola (Rapeseed)	-	-	472,178	-	-	-	-	472,178	1.6
Canola Meal, Pellets	-	-	26,640	-	-	-	-	26,640	0.1
Flour, Wheat & Other Edible	-	-	19,443	-	-	-	-	19,443	0.1
Soybeans	-	-	2,389,653	-	1,592	-	-	2,391,245	8.3
Soybean Oil Cake, Meal, Pellets	-	-	88,935	-	-	-	-	88,935	0.3
Beans and Peas	-	-	22,252	-	5,365	-	-	27,617	0.1
Flaxseed	-	-	-	-	-	-	-	-	-
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	215,483	-	111	-	-	215,594	0.7
Total Agricultural Products	-	-	9,528,509	-	7,068	-	-	9,535,577	32.9
Packing House Products, Edible	1,479	-	-	-	-	-	-	1,479	0.0
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	-	-	-	-	-	-	-	-	-
Total Animal Products	1,479	-	-	-	-	-	-	1,479	0.0
Bituminous Coal	-	237,681	-	-	-	-	-	237,681	0.8
Coke	1,329,681	-	-	-	-	-	-	1,329,681	4.6
Iron Ore	5,567,353	-	-	-	-	-	-	5,567,353	19.2
Aluminum Ore and Concentrates	112,111	-	-	-	-	-	-	112,111	0.4
Clay and Bentonite	8,495	-	-	-	-	-	-	8,495	0.0
Gravel and Sand	-	-	-	-	306	-	-	306	0.0
Stone	103,513	-	-	-	-	-	-	103,513	0.4
Salt	1,083,423	-	-	-	-	-	-	1,083,423	3.7
Potash	1,038,295	-	-	-	22	-	-	1,038,317	3.6
Gypsum	788,879	-	-	-	-	-	-	788,879	2.7
Asphalt	223,733	-	-	-	-	-	-	223,733	0.8
Other Mine Products	132,703	-	-	-	310	-	-	133,013	0.5
Total Mine Products	10,388,186	237,681	-	-	638	-	-	10,626,505	36.7
Lumber	33,329	-	-	-	39	-	-	33,368	0.1
Other Forest Products	-	-	-	-	327	2,116	-	2,443	0.0
Total Forest Products	33,329	-	-	-	366	2,116	-	35,811	0.1
Gasoline	862,068	-	-	-	-	-	-	862,068	3.0
Fuel Oil	1,257,059	-	-	-	16	-	-	1,257,075	4.3
Other Petroleum Products	37,155	-	-	-	105	-	-	37,260	0.1
Chemicals	659,103	-	-	-	19,518	12,532	-	691,153	2.4
Sodium Products	16,155	-	-	-	103	-	-	16,258	0.1
Tar, Pitch and Creosote	66,970	-	-	-	299	-	-	67,269	0.2
Pig Iron	99,684	-	-	-	-	-	-	99,684	0.3
Iron and Steel	12,499	-	-	-	1,464	2,185,535	-	2,199,498	7.6
Steel Slabs	30,555	-	-	-	-	-	280,005	310,560	1.1
Machinery and Machines	-	-	-	-	2,740	17,742	-	20,482	0.1
Cement	711,319	-	-	-	-	-	-	711,319	2.5
Cement Clinkers	-	-	-	-	-	-	-	-	-
Woodpulp	7,798	-	-	-	-	-	-	7,798	0.0
Newsprint and Paper Products	-	-	-	-	11,424	-	-	11,424	0.0
Syrup and Molasses	-	-	-	-	483	-	-	483	0.0
Sugar	758,660	-	-	-	363	-	-	759,023	2.6
Food Products	-	-	-	-	497	-	-	497	0.0
Furnace Slags	555,110	-	-	-	-	-	-	555,110	1.9
Scrap Iron and Steel	17,876	-	-	-	-	-	-	17,876	0.1
Other Manufactures and Misc. (2)	943,551	-	-	-	63,679	142,254	-	1,149,484	4.0
Total Manufactures and Misc.	6,035,562	-	-	-	100,691	2,358,063	280,005	8,774,321	30.3
GRAND TOTAL	16,458,556	237,681	9,528,509	-	108,763	2,360,179	280,005	28,973,693	100.0

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

(2) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2022**

TABLE M3 - Part A

MONTREAL-LAKE ONTARIO SECTION

NO.	COMMODITY	from: to:		UPBOUND TONNES				TOTAL UPBOUND	% OF TOTAL UP- BOUND		
				CANADA		UNITED STATES				FOREIGN	
				Canada	United States	Canada	United States			Canada	United States
1	Wheat	-	-	-	-	-	-	-	-		
2	Corn	-	-	-	-	-	-	-	-		
3	Rye	-	-	-	-	-	-	-	-		
4	Oats	-	-	-	-	-	20,975	20,975	0.2		
5	Barley	-	11,851	-	-	-	-	11,851	0.1		
6	Canola (Rapeseed)	-	-	-	-	-	-	-	-		
7	Canola Meal, Pellets	-	-	-	-	-	-	-	-		
8	Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-		
9	Soybeans	-	-	-	-	-	-	-	-		
10	Soybean Oil Cake, Meal, Pellets	-	-	-	-	-	-	-	-		
11	Beans and Peas	-	-	-	-	-	-	-	-		
12	Flaxseed	-	-	-	-	-	-	-	-		
13	Sunflower Seeds	-	-	-	-	-	-	-	-		
14	Other Agricultural Products	-	-	-	-	22	9	31	0.0		
15	Total Agricultural Products	-	11,851	-	-	22	20,984	32,857	0.3		
16	Packing House Products, Edible	-	-	-	-	-	-	-	-		
17	Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-		
18	Other Animal Products	-	-	-	-	-	-	-	-		
19	Total Animal Products	-	-	-	-	-	-	-	-		
20	Bituminous Coal	-	-	-	-	-	-	-	-		
21	Coke	-	-	-	-	-	31,491	31,491	0.3		
22	Iron Ore	2,278,905	84,313	-	-	-	-	2,363,218	21.5		
23	Aluminum Ore and Concentrates	-	93,643	7,008	-	11,460	-	112,111	1.0		
24	Clay and Bentonite	-	-	-	-	80	-	80	0.0		
25	Gravel and Sand	-	-	-	-	-	306	306	0.0		
26	Stone	42,630	-	-	-	-	60,883	103,513	0.9		
27	Salt	204,221	-	22,115	-	-	-	226,336	2.1		
28	Potash	-	-	-	-	212	-	212	0.0		
29	Gypsum	675,347	71,402	-	-	42,130	-	788,879	7.2		
30	Asphalt	-	58,171	-	-	-	-	58,171	0.5		
31	Other Mine Products	-	-	-	-	19,455	113,558	133,013	1.2		
32	Total Mine Products	3,201,103	307,529	29,123	-	73,337	206,238	3,817,330	34.7		
33	Lumber	-	-	-	-	-	33,329	33,329	0.3		
34	Other Forest Products	-	-	-	-	-	2,443	2,443	0.0		
35	Total Forest Products	-	-	-	-	-	35,772	35,772	0.3		
36	Gasoline	422,359	-	84,886	-	147,870	-	655,115	5.9		
37	Fuel Oil	129,243	22,535	53,412	-	2,003	-	207,193	1.9		
38	Other Petroleum Products	-	-	-	-	10,921	-	10,921	0.1		
39	Chemicals	-	5,104	79,995	-	479,113	30,442	594,654	5.4		
40	Sodium Products	-	-	-	-	16,155	103	16,258	0.1		
41	Tar, Pitch and Creosote	-	-	-	-	38,010	-	38,010	0.3		
42	Pig Iron	-	67,507	-	-	-	32,177	99,684	0.9		
43	Iron and Steel	12,499	-	-	-	1,163,744	1,015,981	2,192,224	19.9		
44	Steel Slabs	30,555	-	-	-	280,005	-	310,560	2.8		
45	Machinery and Machines	-	-	-	-	7,662	12,715	20,377	0.2		
46	Cement	441,317	-	-	-	79,453	190,549	711,319	6.5		
47	Cement Clinkers	-	-	-	-	-	-	-	-		
48	Woodpulp	-	-	-	-	-	7,798	7,798	0.1		
49	Newsprint and Paper Products	-	-	-	-	-	11,424	11,424	0.1		
50	Syrup and Molasses	-	-	-	-	-	483	483	0.0		
51	Sugar	141,671	-	-	-	558,837	58,515	759,023	6.9		
52	Food Products	-	-	-	-	73	424	497	0.0		
53	Furnace Slags	236,510	170,851	-	-	-	51,969	459,330	4.2		
54	Scrap Iron and Steel	-	-	-	-	-	-	-	-		
55	Other Manufactures and Misc. (1)	75,443	335,229	53,489	-	369,484	202,027	1,035,672	9.4		
56	Total Manufactures and Misc.	1,489,597	601,226	271,782	-	3,153,330	1,614,607	7,130,542	64.7		
57	GRAND TOTAL	4,690,700	920,606	300,905	-	3,226,689	1,877,601	11,016,501	100.0		

(1) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2022**

TABLE M3 - Part B

MONTREAL-LAKE ONTARIO SECTION

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					
3,669,341	-	765,623	-	-	296,066	4,731,030	26.3	4,731,030	16.3	1
83,468	-	1,224,050	36,018	-	183,422	1,526,958	8.5	1,526,958	5.3	2
-	-	-	-	-	-	-	-	-	-	3
-	-	3,111	-	-	-	3,111	0.0	24,086	0.1	4
-	-	-	-	-	-	-	-	11,851	0.0	5
231,157	-	241,021	-	-	-	472,178	2.6	472,178	1.6	6
-	-	26,640	-	-	-	26,640	0.1	26,640	0.1	7
-	-	19,443	-	-	-	19,443	0.1	19,443	0.1	8
1,126,204	-	626,930	325,125	-	312,986	2,391,245	13.3	2,391,245	8.3	9
49,261	-	39,674	-	-	-	88,935	0.5	88,935	0.3	10
-	-	22,252	-	-	5,365	27,617	0.2	27,617	0.1	11
-	-	-	-	-	-	-	-	-	-	12
-	-	-	-	-	-	-	-	-	-	13
-	-	21,840	-	-	193,723	215,563	1.2	215,594	0.7	14
5,159,431	-	2,990,584	361,143	-	991,562	9,502,720	52.9	9,535,577	32.9	15
-	1,479	-	-	-	-	1,479	0.0	1,479	0.0	16
-	-	-	-	-	-	-	-	-	-	17
-	-	-	-	-	-	-	-	-	-	18
-	1,479	-	-	-	-	1,479	0.0	1,479	0.0	19
-	-	-	237,681	-	-	237,681	1.3	237,681	0.8	20
271,810	-	308,244	294,563	-	423,573	1,298,190	7.2	1,329,681	4.6	21
228,462	-	-	2,956,798	-	18,875	3,204,135	17.8	5,567,353	19.2	22
-	-	-	-	-	-	-	-	112,111	0.4	23
-	-	8,415	-	-	-	8,415	0.0	8,495	0.0	24
-	-	-	-	-	-	-	-	306	0.0	25
-	-	-	-	-	-	-	-	103,513	0.4	26
806,668	-	-	50,419	-	-	857,087	4.8	1,083,423	3.7	27
6,015	-	1,032,090	-	-	-	1,038,105	5.8	1,038,317	3.6	28
-	-	-	-	-	-	-	-	788,879	2.7	29
89,958	25,653	-	49,951	-	-	165,562	0.9	223,733	0.8	30
-	-	-	-	-	-	-	-	133,013	0.5	31
1,402,913	25,653	1,348,749	3,589,412	-	442,448	6,809,175	37.9	10,626,505	36.7	32
-	-	-	-	-	39	39	0.0	33,368	0.1	33
-	-	-	-	-	-	-	-	2,443	0.0	34
-	-	-	-	-	39	39	0.0	35,811	0.1	35
195,746	11,207	-	-	-	-	206,953	1.2	862,068	3.0	36
966,603	35,659	47,604	-	-	16	1,049,882	5.8	1,257,075	4.3	37
4,016	-	22,218	-	-	105	26,339	0.1	37,260	0.1	38
14,513	15,626	3,619	55,855	-	6,886	96,499	0.5	691,153	2.4	39
-	-	-	-	-	-	-	-	16,258	0.1	40
-	20,332	8,927	-	-	-	29,259	0.2	67,269	0.2	41
-	-	-	-	-	-	-	-	99,684	0.3	42
-	-	-	-	-	7,274	7,274	0.0	2,199,498	7.6	43
-	-	-	-	-	-	-	-	310,560	1.1	44
-	-	101	-	-	4	105	0.0	20,482	0.1	45
-	-	-	-	-	-	-	-	711,319	2.5	46
-	-	-	-	-	-	-	-	-	-	47
-	-	-	-	-	-	-	-	7,798	0.0	48
-	-	-	-	-	-	-	-	11,424	0.0	49
-	-	-	-	-	-	-	-	483	0.0	50
-	-	-	-	-	-	-	-	759,023	2.6	51
-	-	-	-	-	-	-	-	497	0.0	52
53,912	-	-	41,868	-	-	95,780	0.5	555,110	1.9	53
-	-	17,876	-	-	-	17,876	0.1	17,876	0.1	54
54,472	29,779	25,993	-	184	3,384	113,812	0.6	1,149,484	4.0	55
1,289,262	112,603	126,338	97,723	184	17,669	1,643,779	9.2	8,774,321	30.3	56
7,851,606	139,735	4,465,671	4,048,278	184	1,451,718	17,957,192	100.0	28,973,693	100.0	57

**TRAFFIC BY MONTH AND TYPE OF CARGO
2022**

TABLE M4 MONTREAL- LAKE ONTARIO SECTION

DIRECTION AND MONTH	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES								
	Loaded	Ballast	Total		Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	%
UPBOUND:													
March	19	11	30	405,679	214,456	-	-	-	-	38,646	-	253,102	0.9
April	77	57	134	2,024,434	728,085	-	11,851	-	5,006	257,577	18,953	1,021,472	3.5
May	90	79	169	2,290,813	910,846	-	20,975	-	5,615	359,460	-	1,296,896	4.5
June	80	65	145	1,925,987	955,375	-	-	-	4,321	232,139	-	1,191,835	4.1
July	94	75	169	2,154,955	1,060,470	-	-	-	8,585	282,259	19,890	1,371,204	4.7
August	79	66	145	1,845,462	688,512	-	-	-	9,691	308,917	40,586	1,047,706	3.6
September	72	73	145	2,055,978	942,878	-	-	-	10,090	229,489	19,990	1,202,447	4.2
October	83	79	162	2,450,270	951,398	-	-	-	5,536	207,392	101,257	1,265,583	4.4
November	86	71	157	2,433,941	893,204	-	-	-	7,442	322,975	60,347	1,283,968	4.4
December	69	61	130	1,958,789	944,407	-	-	-	5,431	113,468	18,982	1,082,288	3.7
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Upbound	749	637	1,386	19,546,308	8,289,631	-	32,826	-	61,717	2,352,322	280,005	11,016,501	38.0
DOWNBOUND:													
March	8	7	15	145,775	71,206	-	85,708	-	-	-	-	156,914	0.5
April	90	29	119	1,805,053	816,838	11,058	925,804	-	1,614	-	-	1,755,314	6.1
May	106	48	154	2,263,055	1,113,370	25,326	942,306	-	7,327	7,255	-	2,095,584	7.2
June	103	55	158	2,055,837	1,059,488	23,566	822,409	-	2,850	-	-	1,908,313	6.6
July	90	66	156	1,971,355	1,191,883	11,338	495,992	-	3,558	482	-	1,703,253	5.9
August	105	50	155	2,058,936	1,316,514	49,418	612,206	-	7,716	116	-	1,985,970	6.9
September	87	50	137	1,813,539	783,953	35,899	820,209	-	10,160	-	-	1,650,221	5.7
October	132	46	178	2,640,827	785,961	64,628	1,664,425	-	7,311	-	-	2,522,325	8.7
November	107	34	141	2,276,024	557,399	-	1,603,520	-	2,887	-	-	2,163,806	7.5
December	106	58	164	2,499,316	472,313	16,448	1,523,104	-	3,623	4	-	2,015,492	7.0
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Downbound	934	443	1,377	19,529,717	8,168,925	237,681	9,495,683	-	47,046	7,857	-	17,957,192	62.0
TOTALS:													
March	27	18	45	551,454	285,662	-	85,708	-	-	38,646	-	410,016	1.4
April	167	86	253	3,829,487	1,544,923	11,058	937,655	-	6,620	257,577	18,953	2,776,786	9.6
May	196	127	323	4,553,868	2,024,216	25,326	963,281	-	12,942	366,715	-	3,392,480	11.7
June	183	120	303	3,981,824	2,014,863	23,566	822,409	-	7,171	232,139	-	3,100,148	10.7
July	184	141	325	4,126,310	2,252,353	11,338	495,992	-	12,143	282,741	19,890	3,074,457	10.6
August	184	116	300	3,904,398	2,005,026	49,418	612,206	-	17,407	309,033	40,586	3,033,676	10.5
September	159	123	282	3,869,517	1,726,831	35,899	820,209	-	20,250	229,489	19,990	2,852,668	9.8
October	215	125	340	5,091,097	1,737,359	64,628	1,664,425	-	12,847	207,392	101,257	3,787,908	13.1
November	193	105	298	4,709,965	1,450,603	-	1,603,520	-	10,329	322,975	60,347	3,447,774	11.9
December	175	119	294	4,458,105	1,416,720	16,448	1,523,104	-	9,054	113,472	18,982	3,097,780	10.7
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	1,683	1,080	2,763	39,076,025	16,458,556	237,681	9,528,509	-	108,763	2,360,179	280,005	28,973,693	100.0

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

**TRAFFIC RESULTS
2003 - 2022**

TABLE M5

MONTREAL-LAKE ONTARIO SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
2003	1,291	1,288	2,579	16,904,264	13,098,028	30,002,292	15,642,884	15,739,501	31,382,385
2004	1,326	1,357	2,683	16,436,399	12,464,041	28,900,440	15,155,287	15,043,211	30,198,498
2005	1,340	1,355	2,695	17,201,797	13,598,583	30,800,380	15,096,224	15,278,202	30,374,426
2006	1,472	1,470	2,942	16,753,223	14,520,099	31,273,322	15,369,033	15,467,988	30,837,021
2007	1,431	1,447	2,878	19,022,669	16,549,316	35,571,985	17,498,515	17,476,836	34,975,351
2008	1,347	1,356	2,703	14,922,021	17,033,269	31,955,290	15,979,840	16,002,071	31,981,911
2009	1,203	1,192	2,395	13,571,413	15,781,659	29,353,072	15,256,750	15,280,924	30,537,674
2010	1,353	1,375	2,728	7,031,214	13,667,692	20,698,906	12,114,288	12,116,769	24,231,057
2011	1,499	1,501	3,000	11,274,424	15,644,061	26,918,485	15,016,783	14,982,075	29,998,858
2012	1,484	1,491	2,975	11,312,761	17,408,783	28,721,544	16,678,188	16,669,859	33,348,047
2013	1,376	1,392	2,768	12,457,633	18,930,294	31,387,927	17,917,065	17,895,029	35,812,094
2014	1,334	1,323	2,657	10,083,102	18,478,326	28,561,428	17,055,789	17,094,685	34,150,474
2015	1,272	1,257	2,529	12,080,289	17,991,325	30,071,614	17,963,129	17,830,107	35,793,236
2016	1,271	1,274	2,545	12,355,669	15,091,620	27,447,289	16,357,192	16,272,431	32,629,623
2017	1,412	1,410	2,822	10,674,149	18,097,311	28,771,460	18,567,742	18,572,307	37,140,049
2018	1,561	1,557	3,118	12,924,264	18,583,170	31,507,434	19,856,409	19,859,878	39,716,287
2019	1,459	1,448	2,907	12,680,984	16,379,812	29,060,796	19,414,211	19,394,210	38,808,421
2020	1,369	1,382	2,751	9,357,052	19,936,790	29,293,842	20,176,280	20,187,411	40,363,691
2021	1,377	1,372	2,749	11,336,671	18,455,467	29,792,138	19,623,692	19,603,823	39,227,515
2022	1,386	1,377	2,763	11,016,501	17,957,192	28,973,693	19,546,308	19,529,717	39,076,025
TOTAL	27,563	27,624	55,187	259,396,499	329,666,838	589,063,337	340,285,609	340,297,034	680,582,643

**CARGO BY TARIFF CLASSIFICATION
2003 - 2022**

TABLE M6

MONTREAL-LAKE ONTARIO SECTION

YEAR	BULK (1)		COAL		GRAINS		GOVT. AID		CONTAINERS		GENERAL CARGO		STEEL SLABS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
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
2004	16,896,034	54.9	639,722	2.1	9,048,588	29.4	-	-	14,983	0.0	3,707,357	12.0	493,696	1.6	30,800,380
2005	17,746,415	56.7	726,720	2.3	9,524,577	30.5	-	-	17,285	0.1	2,631,034	8.4	627,291	2.0	31,273,322
2006	18,975,206	53.3	684,090	1.9	11,338,573	31.9	11,064	0.0	19,358	0.1	3,646,120	10.2	897,574	2.5	35,571,985
2007	19,003,057	59.5	419,737	1.3	10,103,640	31.6	-	-	23,377	0.1	1,988,841	6.2	416,638	1.3	31,955,290
2008	19,129,832	65.2	957,400	3.3	7,324,253	25.0	-	-	27,266	0.1	1,851,389	6.3	62,932	0.2	29,353,072
2009	11,165,408	53.9	736,293	3.6	7,841,312	37.9	-	-	45,351	0.2	849,280	4.1	61,262	0.3	20,698,906
2010	15,363,805	57.1	909,723	3.4	9,064,211	33.7	-	-	38,015	0.1	1,463,210	5.4	79,521	0.3	26,918,485
2011	17,760,733	61.8	1,148,224	4.0	8,283,131	28.8	-	-	36,702	0.1	1,410,756	4.9	81,998	0.3	28,721,544
2012	19,159,043	61.0	2,104,952	6.7	8,351,269	26.6	-	-	34,122	0.1	1,578,012	5.0	160,529	0.5	31,387,927
2013	17,045,945	59.7	1,970,046	6.9	8,144,581	28.5	-	-	36,653	0.1	1,343,061	4.7	21,142	0.1	28,561,428
2014	13,349,516	44.4	2,031,888	6.8	11,737,447	39.0	-	-	44,073	0.1	2,554,080	8.5	354,610	1.2	30,071,614
2015	13,962,552	50.9	587,740	2.1	10,463,155	38.1	-	-	69,797	0.3	2,161,175	7.9	202,870	0.7	27,447,289
2016	13,145,708	48.6	537,927	2.0	11,031,487	40.8	-	-	58,953	0.2	2,054,777	7.6	222,357	0.8	27,051,209
2017	15,660,242	54.4	188,294	0.7	9,861,254	34.3	-	-	58,605	0.2	2,512,625	8.7	490,440	1.7	28,771,460
2018	16,252,432	51.6	273,805	0.9	11,895,302	37.8	-	-	63,272	0.2	2,272,262	7.2	750,361	2.4	31,507,434
2019	16,989,625	58.5	98,060	0.3	10,121,415	34.8	-	-	93,680	0.3	1,579,277	5.4	178,739	0.6	29,060,796
2020	14,363,879	49.0	142,983	0.5	12,782,008	43.6	-	-	71,949	0.2	1,429,597	4.9	503,426	1.7	29,293,842
2021	16,056,349	53.9	110,767	0.4	10,037,804	33.7	-	-	77,290	0.3	2,721,729	9.1	788,199	2.6	29,792,138
2022	16,458,556	56.8	237,681	0.8	9,528,509	32.9	-	-	108,763	0.4	2,360,179	8.1	280,005	1.0	28,973,693
TOTAL	325,412,130	55.5	14,720,780	2.5	195,671,370	33.4	18,890	0.0	954,702	0.2	42,233,424	7.2	7,100,958	1.2	586,112,254

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

**VESSEL TRANSITS
2003 - 2022**

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
2003	16,436,399	967	324	1,291	12,464,041	768	520	1,288	28,900,440	1,735	844	2,579
2004	17,201,797	1,030	296	1,326	13,598,583	799	558	1,357	30,800,380	1,829	854	2,683
2005	16,753,223	1,004	336	1,340	14,520,099	840	515	1,355	31,273,322	1,844	851	2,695
2006	19,022,669	1,120	352	1,472	16,549,316	936	534	1,470	35,571,985	2,056	886	2,942
2007	14,922,021	943	488	1,431	17,033,269	1,007	440	1,447	31,955,290	1,950	928	2,878
2008	13,571,413	849	498	1,347	15,781,659	924	432	1,356	29,353,072	1,773	930	2,703
2009	7,031,214	486	717	1,203	13,667,692	838	354	1,192	20,698,906	1,324	1,071	2,395
2010	11,274,424	747	606	1,353	15,644,061	930	445	1,375	26,918,485	1,677	1,051	2,728
2011	11,312,761	764	735	1,499	17,408,783	1,006	495	1,501	28,721,544	1,770	1,230	3,000
2012	12,457,633	775	709	1,484	18,930,294	1,066	425	1,491	31,387,927	1,841	1,134	2,975
2013	10,083,102	648	728	1,376	18,478,326	1,036	356	1,392	28,561,428	1,684	1,084	2,768
2014	12,080,289	776	558	1,334	17,991,325	1,000	323	1,323	30,071,614	1,776	881	2,657
2015	12,355,669	823	449	1,272	15,091,620	848	409	1,257	27,447,289	1,671	858	2,529
2016	10,799,659	770	501	1,271	16,251,550	900	374	1,274	27,051,209	1,670	875	2,545
2017	10,674,149	779	633	1,412	18,097,311	967	443	1,410	28,771,460	1,746	1,076	2,822
2018	12,924,264	908	653	1,561	18,583,170	1,019	538	1,557	31,507,434	1,927	1,191	3,118
2019	12,680,984	947	512	1,459	16,379,812	915	533	1,448	29,060,796	1,862	1,045	2,907
2020	9,357,052	704	665	1,369	19,936,790	1,054	328	1,382	29,293,842	1,758	993	2,751
2021	11,336,671	757	620	1,377	18,455,467	973	399	1,372	29,792,138	1,730	1,019	2,749
2022	11,016,501	749	637	1,386	17,957,192	934	443	1,377	28,973,693	1,683	1,080	2,763
TOTAL	253,291,894	16,546	11,017	27,563	332,820,360	18,760	8,864	27,624	586,112,254	35,306	19,881	55,187

**COMMODITY GROUPS
2003 - 2022**

TABLE M8

MONTREAL-LAKE ONTARIO SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
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
2004	9,059,002	29.4	35,157	0.1	13,011,315	42.2	51,986	0.2	8,642,920	28.1	30,800,380
2005	9,533,823	30.5	24,274	0.1	14,011,158	44.8	105,430	0.3	7,598,637	24.3	31,273,322
2006	11,387,097	32.0	25,052	0.1	15,103,420	42.5	49,455	0.1	9,006,961	25.3	35,571,985
2007	10,116,362	31.7	20,714	0.1	14,592,191	45.7	4,908	0.0	7,221,115	22.6	31,955,290
2008	7,330,431	25.0	5,093	0.0	15,590,563	53.1	-	-	6,426,985	21.9	29,353,072
2009	7,857,417	38.0	7,581	0.0	8,587,376	41.5	-	-	4,246,532	20.5	20,698,906
2010	9,070,585	33.7	6,924	0.0	11,977,259	44.5	-	-	5,863,717	21.8	26,918,485
2011	8,303,839	28.9	-	-	13,497,350	47.0	-	-	6,920,355	24.1	28,721,544
2012	8,351,269	26.6	4,565	0.0	16,364,612	52.1	-	-	6,667,481	21.2	31,387,927
2013	8,151,693	28.5	3,508	0.0	13,986,336	49.0	-	-	6,419,891	22.5	28,561,428
2014	11,744,575	39.1	-	-	10,497,096	34.9	-	-	7,829,943	26.0	30,071,614
2015	10,463,531	38.1	-	-	9,940,650	36.2	7,786	0.0	7,035,322	25.6	27,447,289
2016	11,031,487	40.8	-	-	8,561,094	31.6	8,650	0.0	7,449,978	27.5	27,051,209
2017	9,861,257	34.3	-	-	10,130,256	35.2	5,507	0.0	8,774,440	30.5	28,771,460
2018	11,895,302	37.8	4,872	0.0	9,962,993	31.6	2,238	0.0	9,642,029	30.6	31,507,434
2019	10,121,415	34.8	6,131	0.0	10,034,766	34.5	33,607	0.1	8,864,877	30.5	29,060,796
2020	12,782,074	43.6	5,967	0.0	9,003,082	30.7	22,676	0.1	7,480,043	25.5	29,293,842
2021	10,040,203	33.7	9,803	0.0	10,206,866	34.3	22,338	0.1	9,512,928	31.9	29,792,138
2022	9,535,577	32.9	1,479	0.0	10,626,505	36.7	35,811	0.1	8,774,321	30.3	28,973,693
TOTAL	195,838,377	33.4	192,969	0.0	238,484,204	40.7	420,868	0.1	151,175,836	25.8	586,112,254

**U.S. GRAINS
2003 - 2022**

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
2003	1,810,637	53.7	559,997	16.6	-	-	-	-	2,213	0.1	819,511	24.3	48,860	1.4	129,489	3.8	3,370,707
2004	1,928,223	54.1	434,362	12.2	-	-	-	-	5,962	0.2	996,703	28.0	31,895	0.9	167,431	4.7	3,564,576
2005	2,090,363	53.9	554,740	14.3	-	-	-	-	37,594	1.0	781,691	20.2	93,076	2.4	319,244	8.2	3,876,708
2006	1,296,785	30.7	1,448,243	34.3	-	-	-	-	-	-	1,188,623	28.1	24,953	0.6	268,925	6.4	4,227,529
2007	2,688,049	64.9	536,941	13.0	-	-	-	-	20,917	0.5	630,121	15.2	51,753	1.2	213,960	5.2	4,141,741
2008	777,776	55.1	118,442	8.4	-	-	21,078	1.5	-	-	300,270	21.3	21,112	1.5	172,442	12.2	1,411,120
2009	967,069	45.9	192,085	9.1	-	-	48,897	2.3	-	-	721,838	34.3	14,754	0.7	162,815	7.7	2,107,458
2010	1,901,201	63.7	115,453	3.9	-	-	39,030	1.3	40,739	1.4	654,418	21.9	46,550	1.6	185,773	6.2	2,983,164
2011	974,408	62.1	56,596	3.6	-	-	21,455	1.4	-	-	391,176	24.9	10,507	0.7	114,703	7.3	1,568,845
2012	479,895	35.0	31,277	2.3	-	-	40,595	3.0	-	-	709,634	51.7	10,593	0.8	99,854	7.3	1,371,848
2013	899,170	52.2	-	-	-	-	-	-	-	-	699,464	40.6	-	-	124,687	7.2	1,723,321
2014	896,043	38.5	220,345	9.5	-	-	42,369	1.8	-	-	1,024,680	44.1	-	-	142,627	6.1	2,326,064
2015	973,207	46.8	288,893	13.9	-	-	46,071	2.2	-	-	641,923	30.9	-	-	127,293	6.1	2,077,387
2016	1,167,015	42.8	576,723	21.1	-	-	44,034	1.6	-	-	776,636	28.5	8,000	0.3	156,243	5.7	2,728,651
2017	636,432	36.6	168,937	9.7	-	-	20,905	1.2	-	-	844,871	48.6	-	-	66,956	3.9	1,738,101
2018	786,544	33.2	404,321	17.0	-	-	43,707	1.8	-	-	1,005,111	42.4	-	-	131,904	5.6	2,371,587
2019	1,105,675	68.0	-	-	-	-	13,239	0.8	-	-	406,543	25.0	-	-	101,330	6.2	1,626,787
2020	869,676	41.8	62,970	3.0	-	-	20,943	1.0	-	-	1,043,704	50.2	-	-	82,083	3.9	2,079,376
2021	450,564	36.9	90,291	7.4	-	-	-	-	-	-	518,821	42.5	-	-	159,890	13.1	1,219,566
2022	296,066	22.0	219,440	16.3	-	-	-	-	-	-	638,111	47.4	-	-	193,643	14.4	1,347,260
TOTAL	22,994,798	48.0	6,080,056	12.7	-	-	402,323	0.8	107,425	0.2	14,793,849	30.9	362,053	0.8	3,121,292	6.5	47,861,796

**CANADIAN GRAINS
2003 - 2022**

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
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
2004	4 110 448	75,0	53 343	1,0	-	-	224 145	4,1	-	-	379 630	6,9	350 048	6,4	366 398	6,7	5 484 012
2005	3 764 914	66,7	21 945	0,4	14 961	0,3	414 092	7,3	-	-	474 507	8,4	324 783	5,8	632 667	11,2	5 647 869
2006	5 138 163	72,3	93 303	1,3	58 150	0,8	478 939	6,7	9 409	0,1	395 286	5,6	442 759	6,2	495 035	7,0	7 111 044
2007	4 312 323	72,3	119 310	2,0	4 602	0,1	338 971	5,7	15 952	0,3	469 520	7,9	458 821	7,7	242 400	4,1	5 961 899
2008	4 538 953	76,8	153 456	2,6	-	-	195 157	3,3	1 794	0,0	366 365	6,2	438 258	7,4	214 791	3,6	5 908 774
2009	4 336 904	75,6	51 072	0,9	-	-	276 843	4,8	-	-	709 356	12,4	231 182	4,0	128 497	2,2	5 733 854
2010	3 953 858	65,0	375 499	6,2	2 199	0,0	242 401	4,0	14 615	0,2	1 006 748	16,6	249 718	4,1	236 009	3,9	6 081 047
2011	4 436 564	66,1	322 795	4,8	2 200	0,0	767 262	11,4	1 882	0,0	897 098	13,4	88 925	1,3	197 560	2,9	6 714 286
2012	4 751 830	68,2	64 149	0,9	4 312	0,1	562 860	8,1	-	-	1 291 616	18,5	36 031	0,5	258 243	3,7	6 969 041
2013	4 294 428	67,4	281 923	4,4	2 182	0,0	313 270	4,9	-	-	1 081 022	17,0	113 536	1,8	285 450	4,5	6 371 811
2014	6 315 838	67,5	770 459	8,2	35 153	0,4	690 846	7,4	-	-	1 036 144	11,1	159 719	1,7	342 221	3,7	9 350 380
2015	5 522 639	66,4	270 611	3,3	-	-	711 543	8,6	-	-	1 314 169	15,8	117 975	1,4	374 955	4,5	8 311 892
2016	4 708 939	57,0	509 794	6,2	500	0,0	1 118 939	13,6	-	-	1 446 427	17,5	76 409	0,9	395 916	4,8	8 256 924
2017	4 600 335	56,7	615 370	7,6	-	-	1 145 670	14,1	-	-	1 553 164	19,1	20 012	0,2	181 813	2,2	8 116 364
2018	5 219 667	54,8	1 354 212	14,2	28 440	0,3	499 672	5,2	-	-	2 017 740	21,2	48 565	0,5	355 419	3,7	9 523 715
2019	4 881 249	57,5	672 847	7,9	-	-	1 116 473	13,2	-	-	1 550 073	18,3	33 958	0,4	231 528	2,7	8 486 128
2020	5 753 573	53,8	850 189	8,0	2 370	0,0	1 443 890	13,5	-	-	2 256 020	21,1	163 877	1,5	222 667	2,1	10 692 586
2021	4 942 648	56,1	1 266 546	14,4	1 802	0,0	787 557	8,9	-	-	1 617 519	18,4	40 466	0,5	153 308	1,7	8 809 846
2022	4 434 964	54,3	1 307 518	16,0	3 111	0,0	472 178	5,8	11 851	0,1	1 751 542	21,5	-	-	179 110	2,2	8 160 274
TOTAL	94 405 095	64,0	9 159 740	6,2	202 516	0,1	12 079 300	8,2	102 118	0,1	21 953 633	14,9	3 849 830	2,6	5 722 137	3,9	147 474 369

**SELECTED MINING COMMODITIES
2003 - 2022**

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	%	
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
2004	639,722	4.9	957,071	7.4	8,337,875	64.1	180,934	1.4	6,435	0.0	425,443	3.3	951,337	7.3	1,512,498	11.6	13,011,315
2005	726,720	5.2	964,293	6.9	8,974,766	64.1	128,894	0.9	6,004	0.0	398,169	2.8	1,220,522	8.7	1,591,790	11.4	14,011,158
2006	684,090	4.5	1,460,589	9.7	9,542,869	63.2	177,648	1.2	6,000	0.0	564,975	3.7	1,154,644	7.6	1,512,605	10.0	15,103,420
2007	419,737	2.9	1,040,419	7.1	9,741,873	66.8	147,736	1.0	-	-	664,284	4.6	1,133,846	7.8	1,444,296	9.9	14,592,191
2008	957,400	6.1	2,161,487	13.9	9,148,037	58.7	121,479	0.8	50,335	0.3	449,677	2.9	1,448,098	9.3	1,254,050	8.0	15,590,563
2009	736,293	8.6	1,427,143	16.6	3,871,775	45.1	62,556	0.7	-	-	256,319	3.0	1,308,022	15.2	925,268	10.8	8,587,376
2010	909,723	7.6	1,430,524	11.9	7,203,786	60.1	69,279	0.6	2,000	0.0	277,592	2.3	937,215	7.8	1,147,140	9.6	11,977,259
2011	1,148,224	8.5	1,449,054	10.7	8,212,486	60.8	108,199	0.8	6,069	0.0	228,227	1.7	1,250,759	9.3	1,094,332	8.1	13,497,350
2012	2,104,952	12.9	1,322,609	8.1	10,280,774	62.8	79,487	0.5	-	-	171,944	1.1	1,397,047	8.5	1,007,799	6.2	16,364,612
2013	1,970,046	14.1	1,284,461	9.2	8,751,079	62.6	91,444	0.7	-	-	100,822	0.7	892,241	6.4	896,243	6.4	13,986,336
2014	2,031,888	19.4	1,189,871	11.3	4,932,611	47.0	50,608	0.5	-	-	6,405	0.1	1,554,284	14.8	731,429	7.0	10,497,096
2015	587,740	5.9	895,506	9.0	6,048,504	60.8	43,126	0.4	-	-	358,034	3.6	1,138,939	11.5	868,801	8.7	9,940,650
2016	537,927	6.3	785,994	9.2	5,196,730	60.7	62,058	0.7	27	0.0	140,162	1.6	888,822	10.4	949,374	11.1	8,561,094
2017	188,294	1.9	1,256,139	12.4	6,361,732	62.8	71,988	0.7	-	-	94,176	0.9	1,116,323	11.0	1,041,604	10.3	10,130,256
2018	273,805	2.7	927,848	9.3	5,536,274	55.6	73,878	0.7	-	-	100,513	1.0	1,751,786	17.6	1,298,889	13.0	9,962,993
2019	98,060	1.0	996,125	9.9	5,149,164	51.3	54,166	0.5	2,904	0.0	55,275	0.6	2,231,591	22.2	1,447,481	14.4	10,034,766
2020	142,983	1.6	980,570	10.9	5,067,731	56.3	60,574	0.7	-	-	64,261	0.7	1,206,268	13.4	1,480,695	16.4	9,003,082
2021	110,767	1.1	1,183,403	11.6	5,852,596	57.3	27,430	0.3	-	-	106,253	1.0	1,002,256	9.8	1,924,161	18.9	10,206,866
2022	237,681	2.2	1,329,681	12.5	5,567,353	52.4	8,495	0.1	306	0.0	103,513	1.0	1,083,423	10.2	2,296,053	21.6	10,626,505
TOTAL	14,720,780	6.2	23,723,662	9.9	143,037,101	60.0	1,729,464	0.7	83,130	0.0	4,838,098	2.0	24,433,660	10.2	25,918,309	10.9	238,484,204

**SELECTED PROCESSED COMMODITIES
2003 - 2022**

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	%
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
2004	481,748	5.6	1,005,031	11.6	629,566	7.3	47,589	0.6	167,619	1.9	4,101,729	47.5	74,783	0.9	327,634	3.8	1,807,432	20.9
2005	556,725	7.3	895,565	11.8	627,015	8.3	19,181	0.3	229,091	3.0	3,042,941	40.0	75,954	1.0	214,318	2.8	1,937,847	25.5
2006	646,140	7.2	1,005,669	11.2	678,854	7.5	15,283	0.2	238,334	2.6	4,363,220	48.4	52,097	0.6	127,809	1.4	1,879,555	20.9
2007	796,162	11.0	1,165,908	16.1	689,369	9.5	20,936	0.3	259,328	3.6	2,260,338	31.3	103,240	1.4	154,647	2.1	1,771,187	24.5
2008	544,526	8.5	984,683	15.3	429,440	6.7	15,010	0.2	171,444	2.7	1,803,613	28.1	163,884	2.5	141,367	2.2	2,173,018	33.8
2009	418,931	9.9	723,208	17.0	349,964	8.2	-	-	101,916	2.4	865,597	20.4	120,632	2.8	114,782	2.7	1,551,502	36.5
2010	521,413	8.9	706,859	12.1	608,446	10.4	-	-	256,029	4.4	1,433,263	24.4	108,178	1.8	197,103	3.4	2,032,426	34.7
2011	858,828	12.4	1,317,506	19.0	626,884	9.1	-	-	187,453	2.7	1,409,101	20.4	61,218	0.9	181,182	2.6	2,278,183	32.9
2012	496,004	7.4	1,063,030	15.9	793,348	11.9	1,998	0.0	178,685	2.7	1,622,826	24.3	68,300	1.0	134,785	2.0	2,308,505	34.6
2013	418,132	6.5	1,453,446	22.6	719,951	11.2	25,111	0.4	137,812	2.1	1,312,363	20.4	-	-	86,382	1.3	2,266,694	35.3
2014	563,281	7.2	1,162,594	14.8	861,020	11.0	-	-	74,383	0.9	2,854,518	36.5	-	-	101,278	1.3	2,212,869	28.3
2015	674,976	9.6	697,833	9.9	872,284	12.4	4,209	0.1	113,628	1.6	2,259,557	32.1	13,618	0.2	62,499	0.9	2,336,718	33.2
2016	955,603	12.8	791,910	10.6	919,769	12.3	9,108	0.1	44,378	0.6	2,189,941	29.4	35,865	0.5	100,649	1.4	2,402,755	32.3
2017	871,006	9.9	1,401,029	16.0	654,963	7.5	15,086	0.2	164,721	1.9	2,929,790	33.4	137,888	1.6	81,420	0.9	2,518,537	28.7
2018	748,794	7.8	2,205,850	22.9	799,817	8.3	2,809	0.0	211,851	2.2	2,983,002	30.9	293,618	3.0	53,789	0.6	2,342,499	24.3
2019	1,342,430	15.1	1,749,588	19.7	784,118	8.8	26,583	0.3	159,010	1.8	1,656,597	18.7	523,185	5.9	18,519	0.2	2,604,847	29.4
2020	512,171	6.8	1,187,511	15.9	714,987	9.6	7,021	0.1	159,258	2.1	1,787,134	23.9	573,366	7.7	63,012	0.8	2,475,583	33.1
2021	499,915	5.3	1,199,714	12.6	830,170	8.7	11,908	0.1	41,507	0.4	3,447,262	36.2	643,236	6.8	54,889	0.6	2,784,327	29.3
2022	862,068	9.8	1,257,075	14.3	691,153	7.9	16,258	0.2	99,684	1.1	2,510,058	28.6	711,319	8.1	17,876	0.2	2,608,830	29.7
TOTAL	13,371,773	8.8	22,905,196	15.2	13,913,270	9.2	311,848	0.2	3,175,235	2.1	47,327,137	31.3	3,841,577	2.5	2,284,136	1.5	44,045,875	29.1

(1) Includes steel slabs, domestic general and domestic slabs.

PART IV

ST. LAWRENCE SEAWAY

TOLL TRAFFIC

FOR THE

WELLAND CANAL SECTION

**TRAFFIC BY CLASS AND TYPE OF VESSEL
2022**

TABLE W1

WELLAND CANAL SECTION

CLASS AND TYPE OF VESSEL		VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES								
		Loaded	Ballast	Total		Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	%
UPBOUND:														
Ocean:	Cargo	228	81	309	5,175,074	873,355	-	20,975	-	49,034	1,425,369	18,953	2,387,686	9.2
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	25	17	42	427,518	214,245	-	-	-	-	-	-	214,245	0.8
	Total Ocean	253	98	351	5,602,592	1,087,600	-	20,975	-	49,034	1,425,369	18,953	2,601,931	10.1
Laker:	Cargo	108	581	689	12,819,619	1,257,469	-	24,350	-	-	-	-	1,281,819	5.0
	Barge	81	53	134	862,499	725,104	-	-	-	-	-	-	725,104	2.8
	Tanker	21	113	134	1,520,032	214,787	-	-	-	-	-	-	214,787	0.8
	Total Laker	210	747	957	15,202,150	2,197,360	-	24,350	-	-	-	-	2,221,710	8.6
	Non-Cargo (2)	-	270	270	419,662	-	-	-	-	-	-	-	-	-
	Total Upbound	463	1,115	1,578	21,224,404	3,284,960	-	45,325	-	49,034	1,425,369	18,953	4,823,641	18.7
DOWNBOUND:														
Ocean:	Cargo	234	73	307	5,139,118	1,708,769	-	2,400,324	-	17,486	7,259	-	4,133,838	16.0
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	25	18	43	440,615	210,743	-	-	-	-	-	-	210,743	0.8
	Total Ocean	259	91	350	5,579,733	1,919,512	-	2,400,324	-	17,486	7,259	-	4,344,581	16.8
Laker:	Cargo	610	80	690	12,844,199	8,325,218	1,770,540	4,827,931	-	-	-	-	14,923,689	57.8
	Barge	65	70	135	855,303	371,733	-	80,348	-	-	-	-	452,081	1.8
	Tanker	123	11	134	1,518,500	1,284,603	-	-	-	-	-	-	1,284,603	5.0
	Total Laker	798	161	959	15,218,002	9,981,554	1,770,540	4,908,279	-	-	-	-	16,660,373	64.5
	Non-Cargo (2)	-	265	265	422,348	-	-	-	-	-	-	-	-	-
	Total Downbound	1,057	517	1,574	21,220,083	11,901,066	1,770,540	7,308,603	-	17,486	7,259	-	21,004,954	81.3
TOTALS:														
Ocean:	Cargo	462	154	616	10,314,192	2,582,124	-	2,421,299	-	66,520	1,432,628	18,953	6,521,524	25.2
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	50	35	85	868,133	424,988	-	-	-	-	-	-	424,988	1.6
	Total Ocean	512	189	701	11,182,325	3,007,112	-	2,421,299	-	66,520	1,432,628	18,953	6,946,512	26.9
Laker:	Cargo	718	661	1,379	25,663,818	9,582,687	1,770,540	4,852,281	-	-	-	-	16,205,508	62.7
	Barge	146	123	269	1,717,802	1,096,837	-	80,348	-	-	-	-	1,177,185	4.6
	Tanker	144	124	268	3,038,532	1,499,390	-	-	-	-	-	-	1,499,390	5.8
	Total Laker	1,008	908	1,916	30,420,152	12,178,914	1,770,540	4,932,629	-	-	-	-	18,882,083	73.1
	Non-Cargo (2)	-	535	535	842,010	-	-	-	-	-	-	-	-	-
GRAND TOTAL		1,520	1,632	3,152	42,444,487	15,186,026	1,770,540	7,353,928	-	66,520	1,432,628	18,953	25,828,595	100.0

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls

(2) Includes passenger vessels.

**TRAFFIC BY CLASSIFICATION AND TYPE OF CARGO
2022**

TABLE W2

WELLAND CANAL SECTION

COMMODITY	CARGO TONNES							Total	% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs		
Wheat	-	-	4,649,792	-	-	-	-	4,649,792	18.0
Corn	-	-	465,147	-	-	-	-	465,147	1.8
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	24,086	-	-	-	-	24,086	0.1
Barley	-	-	11,851	-	-	-	-	11,851	0.0
Canola (Rapeseed)	-	-	626,027	-	-	-	-	626,027	2.4
Canola Meal, Pellets	-	-	26,640	-	-	-	-	26,640	0.1
Flour, Wheat & Other Edible	-	-	19,443	-	-	-	-	19,443	0.1
Soybeans	-	-	1,226,112	-	1,592	-	-	1,227,704	4.8
Soybean Oil Cake, Meal, Pellets	-	-	88,935	-	-	-	-	88,935	0.3
Beans and Peas	-	-	22,252	-	5,365	-	-	27,617	0.1
Flaxseed	-	-	-	-	-	-	-	-	-
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	193,643	-	89	-	-	193,732	0.8
Total Agricultural Products	-	-	7,353,928	-	7,046	-	-	7,360,974	28.5
Packing House Products, Edible	-	-	-	-	-	-	-	-	-
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	-	-	-	-	-	-	-	-	-
Total Animal Products	-	-	-	-	-	-	-	-	-
Bituminous Coal	-	1,770,540	-	-	-	-	-	1,770,540	6.9
Coke	1,490,516	-	-	-	-	-	-	1,490,516	5.8
Iron Ore	3,922,589	-	-	-	-	-	-	3,922,589	15.2
Aluminum Ore and Concentrates	106,403	-	-	-	-	-	-	106,403	0.4
Clay and Bentonite	8,415	-	-	-	-	-	-	8,415	0.0
Gravel and Sand	75,005	-	-	-	306	-	-	75,311	0.3
Stone	120,924	-	-	-	-	-	-	120,924	0.5
Salt	3,011,189	-	-	-	-	-	-	3,011,189	11.7
Potash	1,092,390	-	-	-	-	-	-	1,092,390	4.2
Gypsum	71,402	-	-	-	-	-	-	71,402	0.3
Asphalt	265,251	-	-	-	-	-	-	265,251	1.0
Other Mine Products	155,067	-	-	-	310	-	-	155,377	0.6
Total Mine Products	10,319,151	1,770,540	-	-	616	-	-	12,090,307	46.8
Lumber	33,329	-	-	-	39	-	-	33,368	0.1
Other Forest Products	-	-	-	-	327	2,116	-	2,443	0.0
Total Forest Products	33,329	-	-	-	366	2,116	-	35,811	0.1
Gasoline	682,931	-	-	-	-	-	-	682,931	2.6
Fuel Oil	1,196,744	-	-	-	16	-	-	1,196,760	4.6
Other Petroleum Products	22,218	-	-	-	105	-	-	22,323	0.1
Chemicals	187,106	-	-	-	14,240	12,469	-	213,815	0.8
Sodium Products	-	-	-	-	103	-	-	103	0.0
Tar, Pitch and Creosote	20,332	-	-	-	-	-	-	20,332	0.1
Pig Iron	99,684	-	-	-	-	-	-	99,684	0.4
Iron and Steel	415	-	-	-	1,325	1,310,646	-	1,312,386	5.1
Steel Slabs	-	-	-	-	-	-	18,953	18,953	0.1
Machinery and Machines	541	-	-	-	2,033	11,831	-	14,405	0.1
Cement	815,499	-	-	-	-	-	-	815,499	3.2
Cement Clinkers	582,258	-	-	-	-	-	-	582,258	2.3
Woodpulp	7,798	-	-	-	-	-	-	7,798	0.0
Newsprint and Paper Products	-	-	-	-	11,424	-	-	11,424	0.0
Syrup and Molasses	-	-	-	-	483	-	-	483	0.0
Sugar	58,152	-	-	-	363	-	-	58,515	0.2
Food Products	-	-	-	-	424	-	-	424	0.0
Furnace Slags	732,878	-	-	-	-	-	-	732,878	2.8
Scrap Iron and Steel	52,460	-	-	-	-	-	-	52,460	0.2
Other Manufactures and Misc. (2)	374,530	-	-	-	27,976	95,566	-	498,072	1.9
Total Manufactures and Misc.	4,833,546	-	-	-	58,492	1,430,512	18,953	6,341,503	24.6
GRAND TOTAL	15,186,026	1,770,540	7,353,928	-	66,520	1,432,628	18,953	25,828,595	100.0

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

(2) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2022**

TABLE W3 - Part A

WELLAND CANAL SECTION

NO.	COMMODITY	from: to:		UPBOUND TONNES				TOTAL UPBOUND	% OF TOTAL UP- BOUND		
				CANADA		UNITED STATES				FOREIGN	
				Canada	United States	Canada	United States			Canada	United States
1	Wheat	-	12,499	-	-	-	-	12,499	0.3		
2	Corn	-	-	-	-	-	-	-	-		
3	Rye	-	-	-	-	-	-	-	-		
4	Oats	-	-	-	-	-	20,975	20,975	0.4		
5	Barley	-	11,851	-	-	-	-	11,851	0.2		
6	Canola (Rapeseed)	-	-	-	-	-	-	-	-		
7	Canola Meal, Pellets	-	-	-	-	-	-	-	-		
8	Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-		
9	Soybeans	-	-	-	-	-	-	-	-		
10	Soybean Oil Cake, Meal, Pellets	-	-	-	-	-	-	-	-		
11	Beans and Peas	-	-	-	-	-	-	-	-		
12	Flaxseed	-	-	-	-	-	-	-	-		
13	Sunflower Seeds	-	-	-	-	-	-	-	-		
14	Other Agricultural Products	-	-	-	-	-	9	9	0.0		
15	Total Agricultural Products	-	24,350	-	-	-	20,984	45,334	0.9		
16	Packing House Products, Edible	-	-	-	-	-	-	-	-		
17	Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-		
18	Other Animal Products	-	-	-	-	-	-	-	-		
19	Total Animal Products	-	-	-	-	-	-	-	-		
20	Bituminous Coal	-	-	-	-	-	-	-	-		
21	Coke	-	-	-	-	-	31,491	31,491	0.7		
22	Iron Ore	-	84,313	-	-	-	-	84,313	1.7		
23	Aluminum Ore and Concentrates	-	93,643	7,008	-	5,752	-	106,403	2.2		
24	Clay and Bentonite	-	-	-	-	-	-	-	-		
25	Gravel and Sand	-	-	-	-	-	306	306	0.0		
26	Stone	15,254	-	-	-	-	60,883	76,137	1.6		
27	Salt	-	-	-	-	-	-	-	-		
28	Potash	-	-	-	-	-	-	-	-		
29	Gypsum	-	71,402	-	-	-	-	71,402	1.5		
30	Asphalt	-	54,983	-	-	-	-	54,983	1.1		
31	Other Mine Products	-	-	-	-	-	113,558	113,558	2.4		
32	Total Mine Products	15,254	304,341	7,008	-	5,752	206,238	538,593	11.2		
33	Lumber	-	-	-	-	-	33,329	33,329	0.7		
34	Other Forest Products	-	-	-	-	-	2,443	2,443	0.1		
35	Total Forest Products	-	-	-	-	-	35,772	35,772	0.7		
36	Gasoline	160,467	-	66,572	-	86,104	-	313,143	6.5		
37	Fuel Oil	50,266	15,646	21,501	-	-	-	87,413	1.8		
38	Other Petroleum Products	-	-	-	-	-	-	-	-		
39	Chemicals	-	5,104	-	-	54,328	30,442	89,874	1.9		
40	Sodium Products	-	-	-	-	-	103	103	0.0		
41	Tar, Pitch and Creosote	-	-	-	-	-	-	-	-		
42	Pig Iron	-	67,507	-	-	-	32,177	99,684	2.1		
43	Iron and Steel	-	-	-	-	288,716	1,015,981	1,304,697	27.0		
44	Steel Slabs	-	-	-	-	18,953	-	18,953	0.4		
45	Machinery and Machines	541	-	-	-	1,145	12,715	14,401	0.3		
46	Cement	22,460	523,037	-	-	79,453	190,549	815,499	16.9		
47	Cement Clinkers	-	582,258	-	-	-	-	582,258	12.1		
48	Woodpulp	-	-	-	-	-	7,798	7,798	0.2		
49	Newsprint and Paper Products	-	-	-	-	-	11,424	11,424	0.2		
50	Syrup and Molasses	-	-	-	-	-	483	483	0.0		
51	Sugar	-	-	-	-	-	58,515	58,515	1.2		
52	Food Products	-	-	-	-	-	424	424	0.0		
53	Furnace Slags	27,267	198,929	-	-	-	51,969	278,165	5.8		
54	Scrap Iron and Steel	-	52,460	-	-	-	-	52,460	1.1		
55	Other Manufactures and Misc. (1)	-	253,688	4,989	-	41,479	168,492	468,648	9.7		
56	Total Manufactures and Misc.	261,001	1,698,629	93,062	-	570,178	1,581,072	4,203,942	87.2		
57	GRAND TOTAL	276,255	2,027,320	100,070	-	575,930	1,844,066	4,823,641	100.0		

(1) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2022**

TABLE W3 - Part B

WELLAND CANAL SECTION

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					
3,640,023	-	701,204	-	-	296,066	4,637,293	22.1	4,649,792	18.0	1
53,657	-	201,073	36,018	-	174,399	465,147	2.2	465,147	1.8	2
-	-	-	-	-	-	-	-	-	-	3
-	-	3,111	-	-	-	3,111	0.0	24,086	0.1	4
-	-	-	-	-	-	-	-	11,851	0.0	5
385,006	-	241,021	-	-	-	626,027	3.0	626,027	2.4	6
-	-	26,640	-	-	-	26,640	0.1	26,640	0.1	7
-	-	19,443	-	-	-	19,443	0.1	19,443	0.1	8
419,189	-	203,530	325,125	-	279,860	1,227,704	5.8	1,227,704	4.8	9
49,261	-	39,674	-	-	-	88,935	0.4	88,935	0.3	10
-	-	22,252	-	-	5,365	27,617	0.1	27,617	0.1	11
-	-	-	-	-	-	-	-	-	-	12
-	-	-	-	-	-	-	-	-	-	13
-	-	-	-	-	193,723	193,723	0.9	193,732	0.8	14
4,547,136	-	1,457,948	361,143	-	949,413	7,315,640	34.8	7,360,974	28.5	15
-	-	-	-	-	-	-	-	-	-	16
-	-	-	-	-	-	-	-	-	-	17
-	-	-	-	-	-	-	-	-	-	18
-	-	-	-	-	-	-	-	-	-	19
47,246	-	-	1,723,294	-	-	1,770,540	8.4	1,770,540	6.9	20
218,659	-	206,446	610,347	-	423,573	1,459,025	6.9	1,490,516	5.8	21
228,462	-	-	3,590,939	-	18,875	3,838,276	18.3	3,922,589	15.2	22
-	-	-	-	-	-	-	-	106,403	0.4	23
-	-	8,415	-	-	-	8,415	0.0	8,415	0.0	24
-	-	-	75,005	-	-	75,005	0.4	75,311	0.3	25
44,787	-	-	-	-	-	44,787	0.2	120,924	0.5	26
2,097,091	112,185	-	801,913	-	-	3,011,189	14.3	3,011,189	11.7	27
47,544	12,756	1,032,090	-	-	-	1,092,390	5.2	1,092,390	4.2	28
-	-	-	-	-	-	-	-	71,402	0.3	29
72,394	48,496	-	89,378	-	-	210,268	1.0	265,251	1.0	30
-	-	-	41,819	-	-	41,819	0.2	155,377	0.6	31
2,756,183	173,437	1,246,951	6,932,695	-	442,448	11,551,714	55.0	12,090,307	46.8	32
-	-	-	-	-	39	39	0.0	33,368	0.1	33
-	-	-	-	-	-	-	-	2,443	0.0	34
-	-	-	-	-	39	39	0.0	35,811	0.1	35
366,714	3,074	-	-	-	-	369,788	1.8	682,931	2.6	36
1,090,705	18,626	-	-	-	16	1,109,347	5.3	1,196,760	4.6	37
-	-	22,218	-	-	105	22,323	0.1	22,323	0.1	38
19,176	15,626	-	82,253	-	6,886	123,941	0.6	213,815	0.8	39
-	-	-	-	-	-	-	-	103	0.0	40
-	20,332	-	-	-	-	20,332	0.1	20,332	0.1	41
-	-	-	-	-	-	-	-	99,684	0.4	42
415	-	-	-	-	7,274	7,689	0.0	1,312,386	5.1	43
-	-	-	-	-	-	-	-	18,953	0.1	44
-	-	-	-	-	4	4	0.0	14,405	0.1	45
-	-	-	-	-	-	-	-	815,499	3.2	46
-	-	-	-	-	-	-	-	582,258	2.3	47
-	-	-	-	-	-	-	-	7,798	0.0	48
-	-	-	-	-	-	-	-	11,424	0.0	49
-	-	-	-	-	-	-	-	483	0.0	50
-	-	-	-	-	-	-	-	58,515	0.2	51
-	-	-	-	-	-	-	-	424	0.0	52
383,233	-	-	71,480	-	-	454,713	2.2	732,878	2.8	53
-	-	-	-	-	-	-	-	52,460	0.2	54
60	-	19,370	-	6,610	3,384	29,424	0.1	498,072	1.9	55
1,860,303	57,658	41,588	153,733	6,610	17,669	2,137,561	10.2	6,341,503	24.6	56
9,163,622	231,095	2,746,487	7,447,571	6,610	1,409,569	21,004,954	100.0	25,828,595	100.0	57

**TRAFFIC BY MONTH AND TYPE OF CARGO
2022**

TABLE W4 **WELLAND CANAL SECTION**

DIRECTION AND MONTH	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES (1)								
	Loaded	Ballast	Total		Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	%
UPBOUND:													
March	8	23	31	433,926	69,200	-	-	-	-	31,595	-	100,795	0.4
April	49	94	143	2,091,604	328,488	-	11,851	-	4,045	139,725	18,953	503,062	1.9
May	56	129	185	2,548,791	356,910	-	20,975	-	4,773	187,248	-	569,906	2.2
June	55	112	167	2,178,503	361,219	-	-	-	4,068	128,757	-	494,044	1.9
July	60	149	209	2,498,949	470,775	-	-	-	7,812	183,077	-	661,664	2.6
August	51	118	169	2,160,845	269,333	-	-	-	5,761	178,783	-	453,877	1.8
September	43	149	192	2,402,733	331,708	-	-	-	7,120	150,288	-	489,116	1.9
October	49	129	178	2,502,562	347,984	-	12,499	-	5,001	154,586	-	520,070	2.0
November	49	105	154	2,267,450	353,937	-	-	-	5,182	205,662	-	564,781	2.2
December	42	92	134	1,892,854	390,755	-	-	-	5,272	65,648	-	461,675	1.8
January	1	15	16	246,187	4,651	-	-	-	-	-	-	4,651	0.0
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Upbound	463	1,115	1,578	21,224,404	3,284,960	-	45,325	-	49,034	1,425,369	18,953	4,823,641	18.7
DOWNBOUND:													
March	8	9	17	177,878	107,516	-	47,416	-	-	-	-	154,932	0.6
April	92	39	131	1,847,890	1,118,409	126,607	667,234	-	427	-	-	1,912,677	7.4
May	125	49	174	2,500,272	1,629,513	168,170	715,287	-	7,327	7,255	-	2,527,552	9.8
June	120	48	168	2,280,133	1,420,853	238,972	680,300	-	-	-	-	2,340,125	9.1
July	119	74	193	2,334,255	1,597,620	223,176	465,904	-	1,374	-	-	2,288,074	8.9
August	119	63	182	2,428,702	1,658,238	217,884	499,687	-	515	-	-	2,376,324	9.2
September	113	70	183	2,182,503	1,211,329	244,925	692,690	-	2,619	-	-	2,151,563	8.3
October	135	57	192	2,687,128	1,212,456	214,356	1,270,404	-	1,601	-	-	2,698,817	10.4
November	106	40	146	2,118,553	910,024	187,085	1,098,062	-	-	-	-	2,195,171	8.5
December	107	59	166	2,380,092	851,053	117,593	1,103,363	-	3,623	4	-	2,075,636	8.0
January	13	9	22	282,677	184,055	31,772	68,256	-	-	-	-	284,083	1.1
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Downbound	1,057	517	1,574	21,220,083	11,901,066	1,770,540	7,308,603	-	17,486	7,259	-	21,004,954	81.3
TOTALS:													
March	16	32	48	611,804	176,716	-	47,416	-	-	31,595	-	255,727	1.0
April	141	133	274	3,939,494	1,446,897	126,607	679,085	-	4,472	139,725	18,953	2,415,739	9.4
May	181	178	359	5,049,063	1,986,423	168,170	736,262	-	12,100	194,503	-	3,097,458	12.0
June	175	160	335	4,458,636	1,782,072	238,972	680,300	-	4,068	128,757	-	2,834,169	11.0
July	179	223	402	4,833,204	2,068,395	223,176	465,904	-	9,186	183,077	-	2,949,738	11.4
August	170	181	351	4,589,547	1,927,571	217,884	499,687	-	6,276	178,783	-	2,830,201	11.0
September	156	219	375	4,585,236	1,543,037	244,925	692,690	-	9,739	150,288	-	2,640,679	10.2
October	184	186	370	5,189,690	1,560,440	214,356	1,282,903	-	6,602	154,586	-	3,218,887	12.5
November	155	145	300	4,386,003	1,263,961	187,085	1,098,062	-	5,182	205,662	-	2,759,952	10.7
December	149	151	300	4,272,946	1,241,808	117,593	1,103,363	-	8,895	65,652	-	2,537,311	9.8
January	14	24	38	528,864	188,706	31,772	68,256	-	-	-	-	288,734	1.1
February	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	1,520	1,632	3,152	42,444,487	15,186,026	1,770,540	7,353,928	-	66,520	1,432,628	18,953	25,828,595	100.0

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

**TRAFFIC RESULTS
2003 - 2022**

TABLE W5

WELLAND CANAL SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
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
2004	1,584	1,601	3,185	12,595,988	21,688,828	34,284,816	18,311,694	18,360,863	36,672,557
2005	1,710	1,733	3,443	12,256,402	21,893,152	34,149,554	18,372,670	18,406,586	36,779,256
2006	1,840	1,833	3,673	13,976,985	23,442,679	37,419,664	19,862,855	19,823,505	39,686,360
2007	1,833	1,838	3,671	10,866,311	24,069,114	34,935,425	20,125,587	20,080,540	40,206,127
2008	1,749	1,768	3,517	10,402,209	23,177,702	33,579,911	18,965,112	19,047,659	38,012,771
2009	1,404	1,395	2,799	5,900,260	20,480,199	26,380,459	16,256,539	16,257,628	32,514,167
2010	1,558	1,577	3,135	7,685,414	21,497,922	29,183,336	18,428,256	18,379,890	36,808,146
2011	1,650	1,646	3,296	7,690,451	21,946,208	29,636,659	19,225,477	19,153,605	38,379,082
2012	1,621	1,622	3,243	7,298,643	22,681,823	29,980,466	20,087,310	19,992,130	40,079,440
2013	1,567	1,566	3,133	6,253,749	22,983,212	29,236,961	19,591,123	19,581,806	39,172,929
2014	1,634	1,638	3,272	7,641,255	24,115,717	31,756,972	21,303,838	21,253,291	42,557,129
2015	1,504	1,502	3,006	7,916,791	20,325,042	28,241,833	19,097,928	19,004,435	38,102,363
2016	1,528	1,520	3,048	5,734,200	20,488,154	26,222,354	19,114,338	19,123,364	38,237,702
2017	1,616	1,632	3,248	6,362,255	23,842,978	30,205,233	21,999,747	22,063,687	44,063,434
2018	1,582	1,565	3,147	7,366,523	22,753,075	30,119,598	21,727,936	21,641,132	43,369,068
2019	1,594	1,592	3,186	6,885,634	21,691,650	28,577,284	22,121,624	22,101,513	44,223,137
2020	1,593	1,595	3,188	4,663,768	24,193,837	28,857,605	23,035,739	22,938,723	45,974,462
2021	1,546	1,535	3,081	5,256,583	22,401,421	27,658,004	21,971,533	21,846,749	43,818,282
2022	1,578	1,574	3,152	4,823,641	21,004,954	25,828,595	21,224,404	21,220,083	42,444,487
TOTAL	32,203	32,247	64,450	163,274,701	444,850,494	608,125,195	398,349,195	397,755,838	796,105,033

**CARGO BY TARIFF CLASSIFICATION
2003 - 2022**

TABLE W6

WELLAND CANAL SECTION

YEAR	BULK (1)		COAL		GRAINS		GOVT. AID		CONTAINERS		GENERAL CARGO		STEEL SLABS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
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
2004	18,017,251	52.6	4,230,079	12.3	9,044,708	26.4	-	-	867	0.0	2,904,893	8.5	87,018	0.3	34,284,816
2005	19,095,444	55.9	3,693,199	10.8	9,391,899	27.5	-	-	398	0.0	1,884,844	5.5	83,770	0.2	34,149,554
2006	19,810,684	52.9	3,714,491	9.9	10,751,735	28.7	11,064	0.0	3,372	0.0	2,774,914	7.4	353,404	0.9	37,419,664
2007	19,911,584	57.0	3,159,070	9.0	9,921,492	28.4	-	-	871	0.0	1,527,846	4.4	414,562	1.2	34,935,425
2008	21,850,486	65.1	3,631,509	10.8	6,848,996	20.4	-	-	1,566	0.0	1,231,106	3.7	16,248	0.0	33,579,911
2009	15,318,345	58.1	2,852,049	10.8	7,518,954	28.5	-	-	790	0.0	669,054	2.5	21,267	0.1	26,380,459
2010	16,298,195	55.8	3,670,410	12.6	8,013,820	27.5	-	-	11,761	0.0	1,188,862	4.1	288	0.0	29,183,336
2011	17,218,186	58.1	3,739,848	12.6	7,539,218	25.4	-	-	6,385	0.0	1,131,409	3.8	1,613	0.0	29,636,659
2012	16,714,239	55.8	4,557,243	15.2	7,560,197	25.2	-	-	2,762	0.0	1,106,219	3.7	39,806	0.1	29,980,466
2013	16,623,014	56.9	4,453,956	15.2	7,076,699	24.2	-	-	282	0.0	1,082,402	3.7	608	0.0	29,236,961
2014	14,706,279	46.3	4,204,227	13.2	10,666,290	33.6	-	-	7,554	0.0	1,924,037	6.1	248,585	0.8	31,756,972
2015	14,300,508	50.6	2,497,029	8.8	9,717,230	34.4	-	-	28,386	0.1	1,679,308	5.9	19,372	0.1	28,241,833
2016	12,582,434	48.0	2,248,123	8.6	9,856,724	37.6	-	-	18,272	0.1	1,496,493	5.7	20,308	0.1	26,222,354
2017	17,263,953	57.2	2,250,002	7.4	8,541,851	28.3	-	-	12,557	0.0	1,847,458	6.1	289,412	1.0	30,205,233
2018	16,380,489	54.4	2,544,993	8.4	9,432,884	31.3	-	-	8,610	0.0	1,441,940	4.8	310,682	1.0	30,119,598
2019	16,392,708	57.4	2,391,464	8.4	8,721,461	30.5	-	-	9,540	0.0	983,060	3.4	79,051	0.3	28,577,284
2020	14,381,137	49.8	2,438,993	8.5	10,993,909	38.1	-	-	11,462	0.0	914,017	3.2	118,087	0.4	28,857,605
2021	15,565,376	56.3	2,115,932	7.7	8,272,347	29.9	-	-	28,800	0.1	1,509,175	5.5	166,374	0.6	27,658,004
2022	15,186,026	58.8	1,770,540	6.9	7,353,928	28.5	-	-	66,520	0.3	1,432,628	5.5	18,953	0.1	25,828,595
TOTAL	334,252,219	55.0	64,359,348	10.6	176,566,773	29.0	18,890	0.0	221,546	0.0	30,412,229	5.0	2,294,190	0.4	608,125,195

(1) Bulk, as per previous years, includes domestic general and domestic steel slabs, as per the definition of domestic in the Tariff of Tolls.

**VESSEL TRANSITS
2003 - 2022**

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
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
2004	12,595,988	806	778	1,584	21,688,828	1,089	512	1,601	34,284,816	1,895	1,290	3,185
2005	12,256,402	793	917	1,710	21,893,152	1,126	607	1,733	34,149,554	1,919	1,524	3,443
2006	13,976,985	862	978	1,840	23,442,679	1,207	626	1,833	37,419,664	2,069	1,604	3,673
2007	10,866,311	714	1,119	1,833	24,069,114	1,266	572	1,838	34,935,425	1,980	1,691	3,671
2008	10,402,209	657	1,092	1,749	23,177,702	1,178	590	1,768	33,579,911	1,835	1,682	3,517
2009	5,900,260	388	1,016	1,404	20,480,199	1,023	372	1,395	26,380,459	1,411	1,388	2,799
2010	7,685,414	549	1,009	1,558	21,497,922	1,085	492	1,577	29,183,336	1,634	1,501	3,135
2011	7,690,451	549	1,101	1,650	21,946,208	1,126	520	1,646	29,636,659	1,675	1,621	3,296
2012	7,298,643	503	1,118	1,621	22,681,823	1,167	455	1,622	29,980,466	1,670	1,573	3,243
2013	6,253,749	443	1,124	1,567	22,983,212	1,159	407	1,566	29,236,961	1,602	1,531	3,133
2014	7,641,255	537	1,097	1,634	24,115,717	1,222	416	1,638	31,756,972	1,759	1,513	3,272
2015	7,916,791	587	917	1,504	20,325,042	1,015	487	1,502	28,241,833	1,602	1,404	3,006
2016	5,734,200	498	1,030	1,528	20,488,154	1,037	483	1,520	26,222,354	1,535	1,513	3,048
2017	6,362,255	537	1,079	1,616	23,842,978	1,158	474	1,632	30,205,233	1,695	1,553	3,248
2018	7,366,523	576	1,006	1,582	22,753,075	1,099	466	1,565	30,119,598	1,675	1,472	3,147
2019	6,885,634	602	992	1,594	21,691,650	1,058	534	1,592	28,577,284	1,660	1,526	3,186
2020	4,663,768	471	1,122	1,593	24,193,837	1,170	425	1,595	28,857,605	1,641	1,547	3,188
2021	5,256,583	478	1,068	1,546	22,401,421	1,104	431	1,535	27,658,004	1,582	1,499	3,081
2022	4,823,641	463	1,115	1,578	21,004,954	1,057	517	1,574	25,828,595	1,520	1,632	3,152
TOTAL	163,274,701	11,738	20,465	32,203	444,850,494	22,382	9,865	32,247	608,125,195	34,120	30,330	64,450

**COMMODITY GROUPS
2003 - 2022**

TABLE W8

WELLAND CANAL SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
2003	9,349,427	29.3	-	-	15,637,122	49.1	70,402	0.2	6,813,515	21.4	31,870,466
2004	9,044,708	26.4	-	-	16,596,194	48.4	51,915	0.2	8,591,999	25.1	34,284,816
2005	9,391,899	27.5	-	-	17,154,098	50.2	105,430	0.3	7,498,127	22.0	34,149,554
2006	10,757,638	28.7	-	-	17,818,154	47.6	49,455	0.1	8,794,417	23.5	37,419,664
2007	9,921,492	28.4	5,239	0.0	17,054,983	48.8	4,908	0.0	7,948,803	22.8	34,935,425
2008	6,848,996	20.4	-	-	20,506,190	61.1	-	-	6,224,725	18.5	33,579,911
2009	7,518,954	28.5	-	-	14,700,836	55.7	-	-	4,160,669	15.8	26,380,459
2010	8,013,820	27.5	-	-	15,887,398	54.4	-	-	5,282,118	18.1	29,183,336
2011	7,539,218	25.4	-	-	15,707,442	53.0	-	-	6,389,999	21.6	29,636,659
2012	7,560,197	25.2	-	-	16,075,484	53.6	-	-	6,344,785	21.2	29,980,466
2013	7,076,699	24.2	-	-	16,033,061	54.8	-	-	6,127,201	21.0	29,236,961
2014	10,666,349	33.6	-	-	14,212,844	44.8	-	-	6,877,779	21.7	31,756,972
2015	9,717,230	34.4	-	-	12,247,674	43.4	7,786	0.0	6,269,143	22.2	28,241,833
2016	9,856,724	37.6	-	-	10,448,446	39.8	8,649	0.0	5,908,535	22.5	26,222,354
2017	8,541,854	28.3	-	-	14,757,279	48.9	3,282	0.0	6,902,818	22.9	30,205,233
2018	9,432,884	31.3	-	-	13,816,279	45.9	2,238	0.0	6,868,197	22.8	30,119,598
2019	8,721,461	30.5	-	-	13,071,792	45.7	23,053	0.1	6,760,978	23.7	28,577,284
2020	10,993,975	38.1	-	-	12,023,636	41.7	22,676	0.1	5,817,318	20.2	28,857,605
2021	8,274,746	29.9	-	-	12,963,622	46.9	20,732	0.1	6,398,904	23.1	27,658,004
2022	7,360,974	28.5	-	-	12,090,307	46.8	35,811	0.1	6,341,503	24.6	25,828,595
TOTAL	176,589,245	29.0	5,239	0.0	298,802,841	49.1	406,337	0.1	132,321,533	21.8	608,125,195

**U.S. GRAINS
2003 - 2022**

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	%	
2003	1,810,637	48.0	885,817	23.5	-	-	-	-	2,213	0.1	901,268	23.9	48,860	1.3	125,065	3.3	3,773,860
2004	1,928,223	50.6	635,111	16.7	-	-	-	-	5,962	0.2	1,039,391	27.3	31,895	0.8	167,431	4.4	3,808,013
2005	2,090,363	51.3	761,437	18.7	-	-	-	-	37,594	0.9	778,751	19.1	93,076	2.3	315,383	7.7	4,076,604
2006	1,296,785	29.6	1,636,069	37.4	-	-	-	-	-	-	1,153,975	26.4	24,953	0.6	265,099	6.1	4,376,881
2007	2,688,049	61.7	751,755	17.3	-	-	-	-	20,917	0.5	626,779	14.4	51,753	1.2	213,960	4.9	4,353,213
2008	777,776	49.8	269,818	17.3	-	-	21,078	1.3	-	-	300,270	19.2	21,112	1.4	172,442	11.0	1,562,496
2009	967,069	41.7	346,831	15.0	-	-	61,785	2.7	-	-	764,078	33.0	14,754	0.6	162,815	7.0	2,317,332
2010	1,901,201	63.6	119,280	4.0	-	-	39,030	1.3	40,739	1.4	654,418	21.9	46,550	1.6	185,773	6.2	2,986,991
2011	974,408	57.6	165,537	9.8	-	-	21,455	1.3	-	-	405,757	24.0	10,507	0.6	114,703	6.8	1,692,367
2012	479,895	34.9	41,446	3.0	-	-	40,595	3.0	-	-	703,485	51.2	10,593	0.8	98,602	7.2	1,374,616
2013	899,170	52.3	-	-	-	-	-	-	-	-	694,582	40.4	-	-	124,687	7.3	1,718,439
2014	896,043	37.3	298,676	12.4	-	-	42,369	1.8	-	-	1,024,680	42.6	-	-	142,627	5.9	2,404,395
2015	973,207	42.7	493,945	21.7	-	-	46,071	2.0	-	-	637,131	28.0	-	-	127,293	5.6	2,277,647
2016	1,167,015	42.6	587,315	21.4	-	-	44,034	1.6	-	-	776,636	28.4	8,000	0.3	156,243	5.7	2,739,243
2017	636,432	36.3	194,892	11.1	-	-	20,905	1.2	-	-	834,843	47.6	-	-	66,956	3.8	1,754,028
2018	786,544	32.5	404,321	16.7	-	-	43,707	1.8	-	-	1,051,802	43.5	-	-	131,904	5.5	2,418,278
2019	1,105,675	67.7	11,552	0.7	-	-	13,239	0.8	-	-	402,184	24.6	-	-	101,330	6.2	1,633,980
2020	869,676	40.8	113,213	5.3	-	-	20,943	1.0	-	-	1,043,704	49.0	-	-	82,083	3.9	2,129,619
2021	450,564	35.4	142,824	11.2	-	-	-	-	-	-	518,821	40.8	-	-	159,890	12.6	1,272,099
2022	296,066	22.7	210,417	16.1	-	-	-	-	-	-	604,985	46.4	-	-	193,643	14.8	1,305,111
TOTAL	22,994,798	46.0	8,070,256	16.1	-	-	415,211	0.8	107,425	0.2	14,917,540	29.8	362,053	0.7	3,107,929	6.2	49,975,212

**CANADIAN GRAINS
2003 - 2022**

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	%	
2003	4 174 626	75,7	5 399	0,1	23 844	0,4	278 592	5,1	46 615	0,8	302 343	5,5	454 788	8,2	228 150	4,1	5 514 357
2004	3 995 747	75,7	21 119	0,4	42 534	0,8	235 670	4,5	-	-	267 713	5,1	350 048	6,6	366 398	6,9	5 279 229
2005	3 754 479	70,8	-	-	-	-	414 092	7,8	-	-	174 313	3,3	324 783	6,1	632 667	11,9	5 300 334
2006	4 746 558	75,0	31 733	0,5	14 961	0,2	461 209	7,3	9 409	0,1	130 001	2,1	442 759	7,0	495 035	7,8	6 331 665
2007	4 185 531	74,5	67 585	1,2	58 150	1,0	395 103	7,0	14 218	0,3	197 032	3,5	458 821	8,2	242 400	4,3	5 618 840
2008	4 142 230	78,3	50 507	1,0	7 589	0,1	293 934	5,6	1 794	0,0	140 627	2,7	438 258	8,3	214 791	4,1	5 289 730
2009	4 243 517	81,6	2 286	0,0	-	-	327 769	6,3	-	-	268 371	5,2	231 182	4,4	128 497	2,5	5 201 622
2010	3 708 664	73,8	80 504	1,6	-	-	354 376	7,1	1 761	0,0	403 258	8,0	249 718	5,0	226 349	4,5	5 024 630
2011	4 272 918	73,1	42 844	0,7	2 199	0,0	909 984	15,6	-	-	332 420	5,7	88 925	1,5	197 560	3,4	5 846 850
2012	4 741 194	76,8	42 265	0,7	2 200	0,0	745 331	12,1	-	-	349 933	5,7	36 031	0,6	258 243	4,2	6 175 197
2013	4 064 898	76,6	93 145	1,8	2 204	0,0	455 939	8,6	-	-	293 661	5,5	113 536	2,1	285 450	5,4	5 308 833
2014	6 111 484	74,8	254 739	3,1	2 182	0,0	858 239	10,5	-	-	439 337	5,4	159 719	2,0	342 221	4,2	8 167 921
2015	5 543 789	74,9	32 185	0,4	35 153	0,5	869 233	11,7	-	-	427 570	5,8	117 975	1,6	374 955	5,1	7 400 860
2016	4 566 412	64,7	91 876	1,3	-	-	1 257 802	17,8	-	-	670 654	9,5	76 409	1,1	395 916	5,6	7 059 069
2017	4 458 997	65,8	117 476	1,7	-	-	1 301 846	19,2	-	-	700 890	10,3	20 012	0,3	181 813	2,7	6 781 034
2018	5 163 604	73,6	182 042	2,6	28 440	0,4	655 074	9,3	-	-	582 401	8,3	48 565	0,7	354 480	5,1	7 014 606
2019	4 896 048	69,2	61 524	0,9	-	-	1 249 746	17,7	-	-	607 283	8,6	33 958	0,5	230 422	3,3	7 078 981
2020	5 739 561	64,8	186 443	2,1	2 370	0,0	1 599 187	18,1	-	-	944 887	10,7	163 877	1,9	217 919	2,5	8 854 244
2021	4 958 363	70,9	320 503	4,6	1 802	0,0	942 770	13,5	-	-	598 578	8,6	40 466	0,6	129 374	1,9	6 991 856
2022	4 353 726	72,2	254 730	4,2	3 111	0,1	626 027	10,4	11 851	0,2	621 127	10,3	-	-	157 270	2,6	6 027 842
TOTAL	91 822 346	72,7	1 938 905	1,5	226 739	0,2	14 231 923	11,3	85 648	0,1	8 452 399	6,7	3 849 830	3,0	5 659 910	4,5	126 267 700

**SELECTED MINING COMMODITIES
2003 - 2022**

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	%	
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
2004	4,230,079	25.5	1,286,492	7.8	6,630,538	40.0	180,934	1.1	195,122	1.2	1,193,515	7.2	2,367,741	14.3	511,773	3.1	16,596,194
2005	3,693,199	21.5	1,346,009	7.8	7,419,461	43.3	128,894	0.8	210,483	1.2	1,213,462	7.1	2,547,366	14.8	595,224	3.5	17,154,098
2006	3,714,491	20.8	1,877,911	10.5	7,191,865	40.4	177,648	1.0	190,485	1.1	1,151,332	6.5	2,891,149	16.2	623,273	3.5	17,818,154
2007	3,159,070	18.5	1,376,874	8.1	8,283,147	48.6	147,736	0.9	138,281	0.8	823,881	4.8	2,479,604	14.5	646,390	3.8	17,054,983
2008	3,631,509	17.7	2,538,277	12.4	9,502,278	46.3	121,479	0.6	159,991	0.8	656,039	3.2	3,053,544	14.9	843,073	4.1	20,506,190
2009	2,852,049	19.4	1,406,990	9.6	6,251,224	42.5	62,556	0.4	70,217	0.5	423,888	2.9	2,939,181	20.0	688,291	4.7	14,694,396
2010	3,670,410	23.1	1,666,050	10.5	7,135,127	44.9	69,279	0.4	113,404	0.7	501,003	3.2	1,981,436	12.5	750,689	4.7	15,887,398
2011	3,739,848	23.8	2,079,628	13.2	5,961,836	38.0	108,199	0.7	108,432	0.7	466,745	3.0	2,569,434	16.4	673,320	4.3	15,707,442
2012	4,557,243	28.3	1,334,955	8.3	6,264,484	39.0	79,487	0.5	160,277	1.0	437,461	2.7	2,585,462	16.1	656,115	4.1	16,075,484
2013	4,453,956	27.8	1,414,934	8.8	6,792,569	42.4	91,444	0.6	125,132	0.8	315,707	2.0	2,267,310	14.1	572,009	3.6	16,033,061
2014	4,204,227	29.6	1,487,269	10.5	4,517,320	31.8	50,608	0.4	123,117	0.9	360,410	2.5	3,012,803	21.2	457,090	3.2	14,212,844
2015	2,497,029	20.4	1,306,554	10.7	4,664,602	38.1	43,126	0.4	137,535	1.1	128,177	1.0	2,890,371	23.6	580,280	4.7	12,247,674
2016	2,248,123	21.5	1,117,006	10.7	3,449,032	33.0	62,058	0.6	135,512	1.3	305,298	2.9	2,461,649	23.6	669,768	6.4	10,448,446
2017	2,250,002	15.2	1,566,395	10.6	6,340,015	43.0	71,988	0.5	126,407	0.9	360,885	2.4	3,259,665	22.1	781,922	5.3	14,757,279
2018	2,544,993	18.4	1,264,467	9.2	5,602,918	40.6	73,878	0.5	130,053	0.9	465,007	3.4	2,882,017	20.9	852,946	6.2	13,816,279
2019	2,391,464	18.3	1,451,255	11.1	5,140,104	39.3	54,166	0.4	103,929	0.8	366,246	2.8	2,602,907	19.9	961,721	7.4	13,071,792
2020	2,438,993	20.3	1,161,778	9.7	4,426,208	36.8	60,574	0.5	127,300	1.1	177,893	1.5	2,841,354	23.6	789,536	6.6	12,023,636
2021	2,115,932	16.3	1,430,866	11.0	5,134,085	39.6	27,430	0.2	154,406	1.2	293,488	2.3	2,676,692	20.6	1,130,723	8.7	12,963,622
2022	1,770,540	14.6	1,490,516	12.3	3,922,589	32.4	8,415	0.1	75,311	0.6	120,924	1.0	3,011,189	24.9	1,690,823	14.0	12,090,307
TOTAL	64,359,348	21.5	29,608,383	9.9	121,189,855	40.6	1,729,384	0.6	2,795,520	0.9	10,561,254	3.5	53,390,980	17.9	15,161,677	5.1	298,796,401

**SELECTED PROCESSED COMMODITIES
2003 - 2022**

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	%
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
2004	173,561	2.0	600,026	7.0	554,959	6.5	47,589	0.6	162,506	1.9	2,914,863	33.9	1,226,938	14.3	244,612	2.8	2,666,945	31.0
2005	248,352	3.3	667,545	8.9	395,011	5.3	19,181	0.3	177,542	2.4	1,854,248	24.7	1,230,805	16.4	171,761	2.3	2,733,682	36.5
2006	381,603	4.4	776,324	8.9	467,652	5.4	15,283	0.2	233,129	2.7	3,099,721	35.6	1,064,495	12.2	317,236	3.6	2,348,796	27.0
2007	530,160	6.7	1,030,625	13.0	370,354	4.7	15,938	0.2	257,022	3.2	1,918,301	24.1	1,087,934	13.7	311,265	3.9	2,427,204	30.5
2008	507,338	8.2	789,629	12.7	239,492	3.8	15,010	0.2	167,061	2.7	1,202,260	19.3	775,575	12.5	177,685	2.9	2,350,675	37.8
2009	215,424	5.2	640,750	15.4	153,810	3.7	-	-	101,887	2.4	659,314	15.8	660,877	15.9	94,702	2.3	1,633,905	39.3
2010	294,125	5.6	660,930	12.5	239,362	4.5	-	-	254,220	4.8	1,119,501	21.2	859,159	16.3	114,127	2.2	1,740,694	33.0
2011	561,244	8.8	1,214,324	19.0	243,440	3.8	-	-	182,143	2.9	1,115,852	17.5	809,991	12.7	314,413	4.9	1,948,592	30.5
2012	339,498	5.4	1,026,176	16.2	289,171	4.6	-	-	175,034	2.8	1,129,565	17.8	896,565	14.1	170,131	2.7	2,316,145	36.5
2013	262,790	4.3	1,316,976	21.5	256,228	4.2	-	-	135,601	2.2	1,043,009	17.0	732,134	11.9	82,054	1.3	2,298,409	37.5
2014	306,133	4.5	1,056,948	15.4	325,457	4.7	-	-	74,383	1.1	2,133,660	31.0	865,840	12.6	120,015	1.7	1,995,343	29.0
2015	480,061	7.7	651,625	10.4	215,389	3.4	-	-	113,628	1.8	1,619,284	25.8	957,032	15.3	62,239	1.0	2,169,885	34.6
2016	695,922	11.8	646,222	10.9	155,686	2.6	-	-	44,378	0.8	1,462,948	24.8	830,791	14.1	38,252	0.6	2,034,336	34.4
2017	535,072	7.8	1,012,968	14.7	162,570	2.4	-	-	164,721	2.4	2,068,629	30.0	785,391	11.4	43,884	0.6	2,129,584	30.9
2018	275,959	4.0	1,606,931	23.4	188,732	2.7	-	-	211,851	3.1	1,708,614	24.9	836,167	12.2	27,661	0.4	2,012,282	29.3
2019	851,654	12.6	1,358,773	20.1	159,042	2.4	-	-	159,010	2.4	994,620	14.7	923,694	13.7	28,218	0.4	2,285,967	33.8
2020	461,996	7.9	1,065,688	18.3	206,979	3.6	-	-	159,258	2.7	902,570	15.5	801,273	13.8	53,387	0.9	2,166,167	37.2
2021	414,783	6.5	1,115,288	17.4	243,662	3.8	-	-	41,507	0.6	1,606,640	25.1	815,989	12.8	27,231	0.4	2,133,804	33.3
2022	682,931	10.8	1,196,760	18.9	213,815	3.4	103	0.0	99,684	1.6	1,331,339	21.0	815,499	12.9	52,460	0.8	1,948,912	30.7
TOTAL	8,377,017	6.3	19,004,856	14.4	5,517,197	4.2	181,904	0.1	3,092,168	2.3	31,537,586	23.9	18,273,258	13.8	2,585,555	2.0	43,659,315	33.0

(1) Includes steel slabs, domestic general and domestic slabs.

NOTES