

The St. Lawrence Seaway

2021 Traffic Report



THE ST. LAWRENCE SEAWAY TRAFFIC REPORT 2021 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 2021 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.

Passenger vessels are considered to be cargo vessels. Unless their data are specified under passenger, their transits and gross registered tonnage are included amongst the cargo vessel category.

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.

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PART I

ST. LAWRENCE SEAWAY TOLL TRAFFIC

DEFINITIONS

AND

2021 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 2021

TABLE S1

TRAFFIC AND REVENUE	ST. LAWRENCE SEAWAY			MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
TRAFFIC	Tonnes and Transits	% of Total	Variance 2020%	Tonnes and Transits	% of Total	Variance 2020%	Tonnes and Transits	% of Total	Variance 2020%
Cargo Tonnes by Toll Classification:									
Bulk (1)	21,880,642	57.3	9.3	16,056,349	53.9	11.8	15,565,376	56.3	8.2
Coal	2,115,932	5.5	- 13.2	110,767	0.4	- 22.5	2,115,932	7.7	- 13.2
Grains	10,609,179	27.8	- 20.2	10,037,804	33.7	- 21.5	8,272,347	29.9	- 24.8
Government Aid	-	-	-	-	-	-	-	-	-
Containers	77,290	0.2	7.4	77,290	0.3	7.4	28,800	0.1	151.3
General Cargo	2,721,729	7.1	90.4	2,721,729	9.1	90.4	1,509,175	5.5	65.1
Steel Slabs	788,199	2.1	56.6	788,199	2.6	56.6	166,374	0.6	40.9
Total Cargo Tonnes	38,192,971	100.0	1.1	29,792,138	100.0	1.7	27,658,004	100.0	- 4.2
Gross Registered Tonnage: (3)									
Cargo Vessels	52,575,005	99.6	- 1.8	39,098,635	99.7	- 2.8	43,636,264	99.6	- 4.7
Non-Cargo Vessels	222,425	0.4	8.5	128,880	0.3	4.4	182,018	0.4	- 0.7
Total Gross Registered Tonnage	52,797,430	100.0	- 1.7	39,227,515	100.0	- 2.8	43,818,282	100.0	- 4.7
Vessel Transits: (3)									
Loaded Cargo Vessels	2,197	56.1	0.3	1,730	62.9	- 1.6	1,582	51.3	- 3.6
Ballast Cargo Vessels	1,148	29.3	- 4.1	705	25.6	- 7.6	1,113	36.1	- 5.6
Non-Cargo Vessels	573	14.6	22.4	314	11.4	36.5	386	12.5	4.9
Total Vessel Transits	3,918	100.0	1.6	2,749	100.0	- 0.1	3,081	100.0	- 3.4
Additional Information: (3)	Number			Number			Number		
Pleasure Craft Lockages	10,334	-	82.0	6,942	-	76.5	3,392	-	94.5

REVENUE (2)	Revenue	% of Total	Variance 2020%	Revenue	% of Total	Variance 2020%	Revenue	% of Total	Variance 2020%
Traffic Revenue (\$) by Toll Classification (3)	\$			\$			\$		
Bulk (1)	30,039,818	37.7	11.7	17,715,774	45.2	13.3	12,324,043	30.4	9.5
Coal	1,800,210	2.3	- 11.6	81,015	0.2	- 21.0	1,719,195	4.2	- 11.1
Grains	13,998,874	17.6	- 21.7	7,323,885	18.7	- 20.0	6,674,988	16.5	- 23.5
Government Aid	-	-	-	-	-	-	-	-	-
Containers	77,797	0.1	28.6	59,331	0.2	11.5	18,466	0.0	153.0
General Cargo	9,525,020	11.9	86.6	7,600,847	19.4	92.4	1,924,174	4.7	67.0
Steel Slabs	2,201,138	2.8	67.2	2,046,243	5.2	66.7	154,894	0.4	74.8
Gross Registered Tonnage	12,381,129	15.5	- 2.2	4,371,247	11.2	- 1.2	8,009,883	19.8	- 2.7
Lockage Fees	9,725,711	12.2	- 3.1	-	-	-	9,725,711	24.0	- 3.1
Total Tolls - Current Shipping Season	79,749,696	100.0	5.0	39,198,343	100.0	13.5	40,551,354	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 2021

TABLE S2

SUMMARY OF MAJOR COMMODITIES	ST. LAWRENCE SEAWAY			MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
	Tonnes	% of Total	Variance 2020%	Tonnes	% of Total	Variance 2020%	Tonnes	% of Total	Variance 2020%
Agricultural Products:									
Wheat	5,738,141	15.0	- 17.3	5,393,212	18.1	- 18.6	5,408,927	19.6	- 18.2
Corn	1,409,370	3.7	46.3	1,356,837	4.6	48.6	463,327	1.7	54.6
Rye	-	-	- 100.0	-	-	- 100.0	-	-	- 100.0
Oats	10,194	0.0	-	10,194	0.0	-	10,194	0.0	-
Barley	-	-	-	-	-	-	-	-	-
Soybeans	2,155,040	5.6	- 34.7	2,136,340	7.2	- 35.3	1,117,399	4.0	- 43.8
Flaxseed	40,466	0.1	- 75.3	40,466	0.1	- 75.3	40,466	0.1	- 75.3
Canola (Rapeseed)	942,770	2.5	- 41.8	787,557	2.6	- 46.2	942,770	3.4	- 41.8
Other Grains	313,934	0.8	- 0.3	313,934	1.1	- 0.3	290,000	1.0	- 6.5
<i>Total Grains</i>	10,609,915	27.8	- 20.2	10,038,540	33.7	- 21.5	8,273,083	29.9	- 24.7
Other Agricultural Products	1,663	0.0	2,419.7	1,663	0.0	2,419.7	1,663	0.0	2,419.7
Total Agricultural Products	10,611,578	27.8	- 20.2	10,040,203	33.7	- 21.5	8,274,746	29.9	- 24.7
Mine Products:									
Iron Ore	6,871,642	18.0	13.0	5,852,596	19.6	15.5	5,134,085	18.6	16.0
Coal	2,115,932	5.5	- 13.2	110,767	0.4	- 22.5	2,115,932	7.7	- 13.2
Coke	1,552,454	4.1	17.0	1,183,403	4.0	20.7	1,430,866	5.2	23.2
Stone, Ground, Crushed, or Rough	373,428	1.0	54.2	106,253	0.4	65.3	293,488	1.1	65.0
Salt	2,794,930	7.3	- 10.8	1,002,256	3.4	- 16.9	2,676,692	9.7	- 5.8
Other Mine Products	2,266,903	5.9	23.5	1,951,591	6.6	26.6	1,312,559	4.7	34.3
Total Mine Products	15,975,289	41.8	6.1	10,206,866	34.3	13.4	12,963,622	46.9	7.8
Processed Products:									
Iron and Steel	2,647,446	6.9	106.0	2,646,886	8.9	106.2	1,440,266	5.2	83.6
Steel Slabs	800,376	2.1	59.0	800,376	2.7	59.0	166,374	0.6	40.9
Petroleum Products	1,933,419	5.1	3.4	1,715,315	5.8	- 4.2	1,538,153	5.6	- 4.9
Chemicals	881,080	2.3	15.4	830,170	2.8	16.1	243,662	0.9	17.7
Other Processed Products	5,311,642	13.9	7.3	3,520,181	11.8	10.4	3,010,449	10.9	- 2.6
Total Processed Products	11,573,963	30.3	23.5	9,512,928	31.9	27.2	6,398,904	23.1	10.0
Miscellaneous Cargo:									
Forest Products	22,338	0.1	- 1.5	22,338	0.1	- 1.5	20,732	0.1	- 8.6
Animal Products	9,803	0.0	64.3	9,803	0.0	64.3	-	-	-
Total Miscellaneous Cargo	32,141	0.1	12.2	32,141	0.1	12.2	20,732	0.1	- 8.6
GRAND TOTAL	38,192,971	100.0	1.1	29,792,138	100.0	1.7	27,658,004	100.0	-4.2

**ACTUAL OPENING AND CLOSING DATES OF NAVIGATION
2002 - 2021**

TABLE S3

YEAR	MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
	Opening	Closing	Days of Navigation	Opening	Closing	Days of Navigation
2002	March 26	December 26	276	March 26	December 25	275
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

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 2021

TABLE C1

ST. LAWRENCE SEAWAY

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	376	22	398	6,762,996	1,729,577	-	8,392	-	29,048	2,715,893	788,199	5,271,109	13.8
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	83	10	93	1,007,207	843,985	-	-	-	-	-	-	843,985	2.2
Total Ocean		459	32	491	7,770,203	2,573,562	-	8,392	-	29,048	2,715,893	788,199	6,115,094	16.0
Laker:	Cargo	304	574	878	15,940,339	5,532,028	-	55,273	-	6,616	-	-	5,593,917	14.6
	Barge	101	45	146	959,342	894,346	-	-	-	-	-	-	894,346	2.3
	Tanker	45	119	164	1,780,581	379,662	-	-	-	-	-	-	379,662	1.0
Total Laker		450	738	1,188	18,680,262	6,806,036	-	55,273	-	6,616	-	-	6,867,925	18.0
Non-Cargo (2)		-	290	290	113,809	-	-	-	-	-	-	-	-	-
Total Upbound		909	1,060	1,969	26,564,274	9,379,598	-	63,665	-	35,664	2,715,893	788,199	12,983,019	34.0
DOWNBOUND:														
Ocean:	Cargo	300	91	391	6,630,173	1,042,613	-	4,172,647	-	7,187	5,836	-	5,228,283	13.7
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	45	49	94	1,018,977	277,898	-	-	-	-	-	-	277,898	0.7
Total Ocean		345	140	485	7,649,150	1,320,511	-	4,172,647	-	7,187	5,836	-	5,506,181	14.4
Laker:	Cargo	747	121	868	15,731,884	9,445,297	2,115,932	6,283,478	-	34,439	-	-	17,879,146	46.8
	Barge	64	85	149	963,200	428,009	-	89,389	-	-	-	-	517,398	1.4
	Tanker	132	32	164	1,780,306	1,307,227	-	-	-	-	-	-	1,307,227	3.4
Total Laker		943	238	1,181	18,475,390	11,180,533	2,115,932	6,372,867	-	34,439	-	-	19,703,771	51.6
Non-Cargo (2)		-	283	283	108,616	-	-	-	-	-	-	-	-	-
Total Downbound		1,288	661	1,949	26,233,156	12,501,044	2,115,932	10,545,514	-	41,626	5,836	-	25,209,952	66.0
TOTALS:														
Ocean:	Cargo	676	113	789	13,393,169	2,772,190	-	4,181,039	-	36,235	2,721,729	788,199	10,499,392	27.5
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	128	59	187	2,026,184	1,121,883	-	-	-	-	-	-	1,121,883	2.9
Total Ocean		804	172	976	15,419,353	3,894,073	-	4,181,039	-	36,235	2,721,729	788,199	11,621,275	30.4
Laker:	Cargo	1,051	695	1,746	31,672,223	14,977,325	2,115,932	6,338,751	-	41,055	-	-	23,473,063	61.5
	Barge	165	130	295	1,922,542	1,322,355	-	89,389	-	-	-	-	1,411,744	3.7
	Tanker	177	151	328	3,560,887	1,686,889	-	-	-	-	-	-	1,686,889	4.4
Total Laker		1,393	976	2,369	37,155,652	17,986,569	2,115,932	6,428,140	-	41,055	-	-	26,571,696	69.6
Non-Cargo (2)		-	573	573	222,425	-	-	-	-	-	-	-	-	-
GRAND TOTAL		2,197	1,721	3,918	52,797,430	21,880,642	2,115,932	10,609,179	-	77,290	2,721,729	788,199	38,192,971	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 2021

TABLE C2

ST. LAWRENCE SEAWAY

COMMODITY	CARGO TONNES								% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	
Wheat	-	-	5,738,141	-	-	-	-	5,738,141	15.0
Corn	-	-	1,409,370	-	-	-	-	1,409,370	3.7
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	10,194	-	-	-	-	10,194	0.0
Barley	-	-	-	-	-	-	-	-	-
Canola (Rapeseed)	-	-	942,770	-	-	-	-	942,770	2.5
Canola Meal, Pellets	-	-	-	-	-	-	-	-	-
Flour, Wheat & Other Edible	1,033	-	-	-	-	-	-	1,033	0.0
Soybeans	-	-	2,155,040	-	-	-	-	2,155,040	5.6
Soybean Oil Cake, Meal, Pellets	-	-	146,591	-	-	-	-	146,591	0.4
Beans and Peas	-	-	-	-	-	-	-	-	-
Flaxseed	-	-	40,466	-	-	-	-	40,466	0.1
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	166,607	-	1,366	-	-	167,973	0.4
Total Agricultural Products	1,033	-	10,609,179	-	1,366	-	-	10,611,578	27.8
Packing House Products, Edible	9,803	-	-	-	-	-	-	9,803	0.0
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	-	-	-	-	-	-	-	-	-
Total Animal Products	9,803	-	-	-	-	-	-	9,803	0.0
Bituminous Coal	-	2,115,932	-	-	-	-	-	2,115,932	5.5
Coke	1,552,454	-	-	-	-	-	-	1,552,454	4.1
Iron Ore	6,871,642	-	-	-	-	-	-	6,871,642	18.0
Aluminum Ore and Concentrates	235,219	-	-	-	-	-	-	235,219	0.6
Clay and Bentonite	27,430	-	-	-	-	-	-	27,430	0.1
Gravel and Sand	154,406	-	-	-	-	-	-	154,406	0.4
Stone	373,428	-	-	-	-	-	-	373,428	1.0
Salt	2,794,930	-	-	-	-	-	-	2,794,930	7.3
Potash	513,533	-	-	-	-	-	-	513,533	1.3
Gypsum	895,581	-	-	-	-	-	-	895,581	2.3
Asphalt	343,630	-	-	-	-	-	-	343,630	0.9
Other Mine Products	93,078	-	-	-	4,026	-	-	97,104	0.3
Total Mine Products	13,855,331	2,115,932	-	-	4,026	-	-	15,975,289	41.8
Lumber	22,024	-	-	-	-	-	-	22,024	0.1
Other Forest Products	-	-	-	-	314	-	-	314	0.0
Total Forest Products	22,024	-	-	-	314	-	-	22,338	0.1
Gasoline	647,243	-	-	-	-	-	-	647,243	1.7
Fuel Oil	1,270,470	-	-	-	20	-	-	1,270,490	3.3
Other Petroleum Products	15,670	-	-	-	16	-	-	15,686	0.0
Chemicals	872,405	-	-	-	8,393	282	-	881,080	2.3
Sodium Products	11,908	-	-	-	-	-	-	11,908	0.0
Tar, Pitch and Creosote	46,215	-	-	-	467	-	-	46,682	0.1
Pig Iron	41,507	-	-	-	-	-	-	41,507	0.1
Iron and Steel	5,561	-	-	-	1,088	2,640,797	-	2,647,446	6.9
Steel Slabs	12,177	-	-	-	-	-	788,199	800,376	2.1
Machinery and Machines	4,307	-	-	-	2,306	24,523	-	31,136	0.1
Cement	1,295,561	-	-	-	-	-	-	1,295,561	3.4
Cement Clinkers	662,411	-	-	-	-	-	-	662,411	1.7
Woodpulp	45,223	-	-	-	-	-	-	45,223	0.1
Newsprint and Paper Products	-	-	-	-	2,373	-	-	2,373	0.0
Syrup and Molasses	-	-	-	-	26	-	-	26	0.0
Sugar	720,042	-	-	-	-	-	-	720,042	1.9
Food Products	8,005	-	-	-	392	-	-	8,397	0.0
Furnace Slags	1,193,960	-	-	-	-	-	-	1,193,960	3.1
Scrap Iron and Steel	82,120	-	-	-	-	-	-	82,120	0.2
Other Manufactures and Misc. (2)	1,057,666	-	-	-	56,503	56,127	-	1,170,296	3.1
Total Manufactures and Misc.	7,992,451	-	-	-	71,584	2,721,729	788,199	11,573,963	30.3
GRAND TOTAL	21,880,642	2,115,932	10,609,179	-	77,290	2,721,729	788,199	38,192,971	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 2021

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		12,637	15,268	-	-	-	-	27,905	0.2
2	Corn		-	-	-	-	-	-	-	-
3	Rye		-	-	-	-	-	-	-	-
4	Oats		-	-	-	-	-	8,392	8,392	0.1
5	Barley		-	-	-	-	-	-	-	-
6	Canola (Rapeseed)		-	-	-	-	-	-	-	-
7	Canola Meal, Pellets		-	-	-	-	-	-	-	-
8	Flour, Wheat & Other Edible		-	-	-	-	-	1,033	1,033	0.0
9	Soybeans		27,368	-	-	-	-	-	27,368	0.2
10	Soybean Oil Cake, Meal, Pellets		-	-	-	-	-	-	-	-
11	Beans and Peas		-	-	-	-	-	-	-	-
12	Flaxseed		-	-	-	-	-	-	-	-
13	Sunflower Seeds		-	-	-	-	-	-	-	-
14	Other Agricultural Products		-	-	-	-	456	910	1,366	0.0
15	Total Agricultural Products		40,005	15,268	-	-	456	10,335	66,064	0.5
16	Packing House Products, Edible		-	-	-	-	-	-	-	-
17	Hides, Skins, Pelts, Wool		-	-	-	-	-	-	-	-
18	Other Animal Products		-	-	-	-	-	-	-	-
19	Total Animal Products		-	-	-	-	-	-	-	-
20	Bituminous Coal		-	-	-	-	-	-	-	-
21	Coke		-	8,325	-	-	3,201	35,010	46,536	0.4
22	Iron Ore		1,715,647	163,871	-	-	-	-	1,879,518	14.5
23	Aluminum Ore and Concentrates		49,837	178,047	-	-	7,335	-	235,219	1.8
24	Clay and Bentonite		-	-	-	-	-	-	-	-
25	Gravel and Sand		-	-	-	-	-	-	-	-
26	Stone		102,652	156,881	-	-	25	26,313	285,871	2.2
27	Salt		118,238	134,520	-	-	-	-	252,758	1.9
28	Potash		-	-	-	-	-	10,600	10,600	0.1
29	Gypsum		799,760	95,821	-	-	-	-	895,581	6.9
30	Asphalt		5,494	38,739	-	-	-	-	44,233	0.3
31	Other Mine Products		-	8,809	31,284	-	9,139	46,824	96,056	0.7
32	Total Mine Products		2,791,628	785,013	31,284	-	19,700	118,747	3,746,372	28.9
33	Lumber		-	-	-	-	1,606	20,418	22,024	0.2
34	Other Forest Products		-	-	-	-	-	314	314	0.0
35	Total Forest Products		-	-	-	-	1,606	20,732	22,338	0.2
36	Gasoline		158,437	-	-	-	133,410	-	291,847	2.2
37	Fuel Oil		95,713	25,748	34,726	-	27,733	-	183,920	1.4
38	Other Petroleum Products		-	-	-	-	7,604	-	7,604	0.1
39	Chemicals		-	6,016	-	-	604,079	59,426	669,521	5.2
40	Sodium Products		-	-	-	-	11,908	-	11,908	0.1
41	Tar, Pitch and Creosote		-	-	-	-	31,755	-	31,755	0.2
42	Pig Iron		-	23,914	-	-	-	17,593	41,507	0.3
43	Iron and Steel		4,959	-	-	-	1,617,832	1,019,613	2,642,404	20.4
44	Steel Slabs		12,177	-	-	-	679,939	108,260	800,376	6.2
45	Machinery and Machines		895	223	-	864	14,878	11,094	27,954	0.2
46	Cement		464,987	626,371	-	-	18,149	145,515	1,255,022	9.7
47	Cement Clinkers		-	662,411	-	-	-	-	662,411	5.1
48	Woodpulp		-	-	-	-	-	45,223	45,223	0.3
49	Newsprint and Paper Products		-	-	-	-	151	2,222	2,373	0.0
50	Syrup and Molasses		-	-	-	-	-	26	26	0.0
51	Sugar		173,248	-	-	-	518,602	22,874	714,724	5.5
52	Food Products		-	-	-	-	8,159	238	8,397	0.1
53	Furnace Slags		291,656	268,030	-	-	21,250	57,531	638,467	4.9
54	Scrap Iron and Steel		-	27,231	-	-	-	-	27,231	0.2
55	Other Manufactures and Misc. (1)		88,137	303,481	98,506	112	513,007	82,332	1,085,575	8.4
56	Total Manufactures and Misc.		1,290,209	1,943,425	133,232	976	4,208,456	1,571,947	9,148,245	70.5
57	GRAND TOTAL		4,121,842	2,743,706	164,516	976	4,230,218	1,721,761	12,983,019	100.0

(1) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2021**

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					
4,311,955	-	947,717	41,359	-	409,205	5,710,236	22.7	5,738,141	15.0	1
126,870	-	1,139,676	88,691	-	54,133	1,409,370	5.6	1,409,370	3.7	2
-	-	-	-	-	-	-	-	-	-	3
-	-	1,802	-	-	-	1,802	0.0	10,194	0.0	4
-	-	-	-	-	-	-	-	-	-	5
489,905	-	452,865	-	-	-	942,770	3.7	942,770	2.5	6
-	-	-	-	-	-	-	-	-	-	7
-	-	-	-	-	-	-	-	1,033	0.0	8
1,043,954	-	564,897	217,732	-	301,089	2,127,672	8.4	2,155,040	5.6	9
44,479	-	78,436	-	-	23,676	146,591	0.6	146,591	0.4	10
-	-	-	-	-	-	-	-	-	-	11
7,922	-	32,544	-	-	-	40,466	0.2	40,466	0.1	12
-	-	-	-	-	-	-	-	-	-	13
-	-	30,393	-	-	136,214	166,607	0.7	167,973	0.4	14
6,025,085	-	3,248,330	347,782	-	924,317	10,545,514	41.8	10,611,578	27.8	15
-	9,803	-	-	-	-	9,803	0.0	9,803	0.0	16
-	-	-	-	-	-	-	-	-	-	17
-	-	-	-	-	-	-	-	-	-	18
-	9,803	-	-	-	-	9,803	0.0	9,803	0.0	19
29,833	-	-	2,086,099	-	-	2,115,932	8.4	2,115,932	5.5	20
260,496	-	166,414	726,758	-	352,250	1,505,918	6.0	1,552,454	4.1	21
518,927	-	-	4,459,327	-	13,870	4,992,124	19.8	6,871,642	18.0	22
-	-	-	-	-	-	-	-	235,219	0.6	23
-	-	27,430	-	-	-	27,430	0.1	27,430	0.1	24
-	-	-	154,406	-	-	154,406	0.6	154,406	0.4	25
87,557	-	-	-	-	-	87,557	0.3	373,428	1.0	26
1,589,874	162,291	-	790,007	-	-	2,542,172	10.1	2,794,930	7.3	27
70,074	18,160	414,699	-	-	-	502,933	2.0	513,533	1.3	28
-	-	-	-	-	-	-	-	895,581	2.3	29
137,996	28,707	-	132,694	-	-	299,397	1.2	343,630	0.9	30
-	1,048	-	-	-	-	1,048	0.0	97,104	0.3	31
2,694,757	210,206	608,543	8,349,291	-	366,120	12,228,917	48.5	15,975,289	41.8	32
-	-	-	-	-	-	-	-	22,024	0.1	33
-	-	-	-	-	-	-	-	314	0.0	34
-	-	-	-	-	-	-	-	22,338	0.1	35
326,378	-	29,018	-	-	-	355,396	1.4	647,243	1.7	36
1,001,489	17,963	67,118	-	-	-	1,086,570	4.3	1,270,490	3.3	37
-	-	8,066	-	-	16	8,082	0.0	15,686	0.0	38
32,349	53,866	42,395	81,963	-	986	211,559	0.8	881,080	2.3	39
-	-	-	-	-	-	-	-	11,908	0.0	40
-	-	14,927	-	-	-	14,927	0.1	46,682	0.1	41
-	-	-	-	-	-	-	-	41,507	0.1	42
560	-	458	-	42	3,982	5,042	0.0	2,647,446	6.9	43
-	-	-	-	-	-	-	-	800,376	2.1	44
60	-	857	-	2,265	-	3,182	0.0	31,136	0.1	45
18,525	-	-	22,014	-	-	40,539	0.2	1,295,561	3.4	46
-	-	-	-	-	-	-	-	662,411	1.7	47
-	-	-	-	-	-	-	-	45,223	0.1	48
-	-	-	-	-	-	-	-	2,373	0.0	49
-	-	-	-	-	-	-	-	26	0.0	50
-	-	-	5,318	-	-	5,318	0.0	720,042	1.9	51
-	-	-	-	-	-	-	-	8,397	0.0	52
514,930	-	15,049	25,514	-	-	555,493	2.2	1,193,960	3.1	53
-	-	54,889	-	-	-	54,889	0.2	82,120	0.2	54
70,696	6,650	3,551	850	-	2,974	84,721	0.3	1,170,296	3.1	55
1,964,987	78,479	236,328	135,659	2,307	7,958	2,425,718	9.6	11,573,963	30.3	56
10,684,829	298,488	4,093,201	8,832,732	2,307	1,298,395	25,209,952	100.0	38,192,971	100.0	57

TRAFFIC BY MAJOR 25 CANADIAN PORTS 2021

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	614	4,701,331	1,775,720	498,303	-	235	693,616	621,825	8,291,030	16.6
Quebec	207	3,870,333	27,809	1,295,131	-	-	-	-	5,193,273	10.4
Sorel/Tracy	121	667,787	-	824,543	-	-	-	-	1,492,330	3.0
Toronto	108	1,257,404	-	-	-	-	189,517	-	1,446,921	2.9
Montreal	75	432,421	-	960,159	-	6,549	-	-	1,399,129	2.8
Baie Comeau	52	-	-	1,223,632	-	-	-	-	1,223,632	2.2
Port Cartier	53	150,824	-	971,721	-	-	-	-	1,122,545	2.2
Clarkson/Mississauga	85	969,440	102,535	-	-	-	-	-	1,071,975	2.1
Cote Ste. Catherine	102	951,544	-	-	-	2,381	10,074	-	963,999	1.9
Valleyfield	260	504,346	-	-	-	8,224	119,757	-	632,327	1.3
Becancour	21	212,774	-	316,417	-	-	-	-	529,191	1.1
Johnstown	29	430,194	-	52,533	-	-	5,841	-	488,568	1.0
Oshawa	91	290,319	-	-	-	-	186,002	-	476,321	1.0
Bowmanville	18	297,179	98,861	-	-	-	-	-	396,040	0.8
Picton	19	282,619	28,049	-	-	-	6,411	-	317,079	0.6
Oakville	34	290,402	-	-	-	-	-	-	290,402	0.6
Sault Ste. Marie	19	310	-	-	-	-	210,049	58,114	268,473	0.5
Trois Rivières	12	30,956	24,312	147,740	-	-	-	-	203,008	0.4
Sept Îles	15	174,598	-	-	-	-	-	-	174,598	0.3
Port Daniel	7	163,855	-	-	-	-	-	-	163,855	0.3
Windsor	26	29,681	-	-	-	140	132,623	-	162,444	0.3
Halifax	19	112,212	-	49,822	-	-	-	-	162,034	0.3
Bath	8	161,883	-	-	-	-	-	-	161,883	0.3
Sarnia	20	154,900	-	-	-	16	1,050	-	155,966	0.3
Saguenay	5	144,655	-	-	-	-	-	-	144,655	0.3
Other Canada	205	839,980	58,646	72,871	-	32,331	98,631	-	1,102,459	2.2
Total Inbound	2,225	17,121,947	2,115,932	6,412,872	-	49,876	1,653,571	679,939	28,034,137	56.1
OUTBOUND:										
Thunder Bay	348	731,722	-	5,982,914	-	-	-	-	6,714,636	13.4
Hamilton	149	371,401	-	2,071,892	-	6,549	458	-	2,450,300	4.9
Port Cartier	58	1,692,226	-	-	-	-	-	-	1,692,226	3.4
Nanticoke	117	1,530,519	29,833	-	-	-	-	-	1,560,352	3.1
Goderich	73	1,275,738	-	152,884	-	-	-	-	1,428,622	2.9
Sarnia	116	613,653	-	560,936	-	-	574	-	1,175,163	2.4
Bowmanville	91	985,761	-	-	-	-	-	-	985,761	2.0
Quebec	43	932,282	-	-	-	-	-	-	932,282	1.9
Windsor	48	514,384	-	202,064	-	-	822	-	717,270	1.4
Sault Ste. Marie	21	491,022	-	-	-	-	-	-	491,022	1.0
Port Daniel	51	461,047	-	-	-	-	-	-	461,047	0.9
Trois Rivières	17	320,663	-	27,368	-	-	-	-	348,031	0.7
Sept Îles	47	329,222	-	-	-	-	-	-	329,222	0.7
Dartmouth	14	317,506	-	-	-	-	-	-	317,506	0.6
Johnstown	15	36,363	-	208,427	-	-	-	-	244,790	0.5
Sorel/Tracy	26	232,532	-	-	-	-	-	-	232,532	0.5
Ramey's Bend	16	143,255	-	68,303	-	-	-	-	211,558	0.4
Bath	44	207,452	-	-	-	-	-	-	207,452	0.4
Montreal	30	205,088	-	-	-	-	-	-	205,088	0.4
Saguenay	9	201,466	-	-	-	-	-	-	201,466	0.4
Stephenville	9	152,978	-	-	-	-	-	-	152,978	0.3
Magdalen Islands	5	118,238	-	-	-	-	-	-	118,238	0.2
Picton	14	99,509	-	-	-	-	-	-	99,509	0.2
Cote Ste. Catherine	38	81,812	-	-	-	14,233	-	-	96,045	0.2
Bruce Mines	8	87,557	-	-	-	-	-	-	87,557	0.2
Other Canada	133	404,029	-	53,900	-	23,484	-	-	481,413	1.0
Total Outbound	1,540	12,537,425	29,833	9,328,688	-	44,266	1,854	-	21,942,066	43.9

(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
2021**

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	420	612,758	-	-	-	19,888	440,384	-	1,073,030	7.1
Detroit	126	906,511	-	-	-	202	107,188	-	1,013,901	6.7
Burns Harbor	84	168,273	-	-	-	-	241,996	108,260	518,529	3.4
Toledo	60	468,170	-	15,268	-	-	1,401	-	484,839	3.2
Ashtabula	19	260,328	-	-	-	-	-	-	260,328	1.7
Chicago	125	54,637	-	8,392	-	-	147,749	-	210,778	1.4
Duluth	26	182,684	-	-	-	137	6,842	-	189,663	1.3
Ogdensburg	8	162,291	-	-	-	-	-	-	162,291	1.1
Charlevoix	8	145,453	-	-	-	-	-	-	145,453	1.0
Milwaukee	40	-	-	-	-	-	108,204	-	108,204	0.7
Buffalo	22	94,443	-	-	-	-	731	-	95,174	0.6
Oswego	21	86,494	-	-	-	-	878	-	87,372	0.6
Erie	8	78,055	-	-	-	-	2,602	-	80,657	0.5
East Chicago/Indiana Harbour	4	74,309	-	-	-	-	-	-	74,309	0.5
Tampa	4	46,324	-	-	-	-	-	-	46,324	0.3
Green Bay	6	45,185	-	-	-	-	-	-	45,185	0.3
Gary	3	40,459	-	-	-	-	-	-	40,459	0.3
Conneaut	1	28,123	-	-	-	-	-	-	28,123	0.2
Marinette	3	15,622	-	-	-	-	-	-	15,622	0.1
Menominee	4	12,423	-	-	-	-	-	-	12,423	0.1
Houston	2	11,581	-	-	-	-	-	-	11,581	0.1
New Haven	4	10,851	-	-	-	-	-	-	10,851	0.1
Braithwaite	4	9,345	-	-	-	-	-	-	9,345	0.1
Jacksonville	1	9,127	-	-	-	-	-	-	9,127	0.1
New York	1	7,384	-	-	-	-	-	-	7,384	0.0
Other U.S. Ports	16	21,365	-	-	-	-	4,921	-	26,286	0.2
Total Inbound	1,020	3,552,195	-	23,660	-	20,227	1,062,896	108,260	4,767,238	31.6
OUTBOUND:										
Superior	86	2,221,339	-	37,857	-	-	-	-	2,259,196	15.0
Toledo	95	484,970	763,395	699,751	-	-	-	-	1,948,116	12.9
Sandusky	49	30,849	1,199,444	-	-	-	-	-	1,230,293	8.2
Two Harbors	41	1,148,166	-	-	-	-	-	-	1,148,166	7.6
Silver Bay	32	939,941	-	-	-	-	-	-	939,941	6.2
Duluth	44	421,620	-	444,806	-	-	-	-	866,426	5.8
Cleveland	50	477,110	-	-	-	3,976	-	-	481,086	3.2
Detroit	43	343,244	-	-	-	-	-	-	343,244	2.3
Fairport Harbour	15	314,905	-	-	-	-	-	-	314,905	2.1
Brevort	6	136,268	-	-	-	-	-	-	136,268	0.9
Buffalo	6	15,682	70,531	-	-	-	-	-	86,213	0.6
East Chicago/Indiana Harbour	3	86,121	-	-	-	-	-	-	86,121	0.6
Ludington	12	81,963	-	-	-	-	-	-	81,963	0.5
Tampa	4	56,297	-	-	-	-	-	-	56,297	0.4
Burns Harbor	4	7,243	-	44,677	-	-	3,982	-	55,902	0.4
Ashtabula	5	500	52,729	-	-	-	-	-	53,229	0.4
Milwaukee	2	-	-	45,008	-	-	-	-	45,008	0.3
Baltimore	2	31,284	-	-	-	-	-	-	31,284	0.2
Lorain	1	25,485	-	-	-	-	-	-	25,485	0.2
Pascagoula	6	24,979	-	-	-	-	-	-	24,979	0.2
Charlevoix	3	22,014	-	-	-	-	-	-	22,014	0.1
New Orleans	2	19,855	-	-	-	-	-	-	19,855	0.1
Lake Charles	1	9,943	-	-	-	-	-	-	9,943	0.1
Norco	1	9,933	-	-	-	-	-	-	9,933	0.1
Bayonne	1	8,951	-	-	-	-	-	-	8,951	0.1
Other U.S. Ports	11	11,630	-	-	-	-	2,478	-	14,108	0.1
Total Outbound	525	6,930,292	2,086,099	1,272,099	-	3,976	6,460	-	10,298,926	68.4

(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
2002 - 2021**

TABLE C6

ST. LAWRENCE SEAWAY

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
2002	1,949	1,942	3,891	20,374,620	21,013,630	41,388,250	21,504,691	21,304,198	42,808,889
2003	1,948	1,938	3,886	19,829,065	21,018,744	40,847,809	20,609,519	20,372,407	40,981,926
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
TOTAL	41,155	40,052	81,207	305,292,646	480,370,646	785,663,292	464,025,670	459,839,834	923,865,504

**CARGO BY TARIFF CLASSIFICATION
2002 - 2021**

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
2002	22,615,138	54.6	4 114 092	9.9	10,461,094	25.3	25,834	0.1	14,721	0.0	3,019,259	7.3	1 138 112	2.7	41,388,250
2003	24,436,923	59.8	4 196 191	10.3	9,645,630	23.6	7,826	0.0	15,208	0.0	2,118,663	5.2	427 368	1.0	40,847,809
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
TOTAL	464,267,528	59.1	66,774,260	8.5	202,811,876	25.8	44,724	0.0	860,660	0.1	42,895,123	5.5	8,009,121	1.0	785,663,292

(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
COMBINED TOLL TRAFFIC
FOR BOTH THE
MONTREAL - LAKE ONTARIO
AND THE
WELLAND CANAL SECTIONS**

TRAFFIC BY CLASS AND TYPE OF VESSEL 2021

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	376	15	391	6,619,021	1,729,577	-	8,392	-	29,048	2,715,893	788,199	5,271,109	17.7
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	83	9	92	1,001,102	843,985	-	-	-	-	-	-	843,985	2.8
	Total Ocean	459	24	483	7,620,123	2,573,562	-	8,392	-	29,048	2,715,893	788,199	6,115,094	20.5
Laker:	Cargo	222	300	522	9,958,645	4,613,118	-	27,368	-	6,616	-	-	4,647,102	15.6
	Barge	31	33	64	374,391	194,813	-	-	-	-	-	-	194,813	0.7
	Tanker	45	102	147	1,604,082	379,662	-	-	-	-	-	-	379,662	1.3
	Total Laker	298	435	733	11,937,118	5,187,593	-	27,368	-	6,616	-	-	5,221,577	17.5
Non-Cargo (2)		-	161	161	66,451	-	-	-	-	-	-	-	-	-
Total Upbound		757	620	1,377	19,623,692	7,761,155	-	35,760	-	35,664	2,715,893	788,199	11,336,671	38.1
DOWNBOUND:														
Ocean:	Cargo	300	90	390	6,609,410	1,042,613	-	4,172,647	-	7,187	5,836	-	5,228,283	17.5
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	42	51	93	1,012,872	266,736	-	-	-	-	-	-	266,736	0.9
	Total Ocean	342	141	483	7,622,282	1,309,349	-	4,172,647	-	7,187	5,836	-	5,495,019	18.4
Laker:	Cargo	474	49	523	9,943,263	5,617,211	110,767	5,740,008	-	34,439	-	-	11,502,425	38.6
	Barge	49	17	66	372,042	289,511	-	89,389	-	-	-	-	378,900	1.3
	Tanker	108	39	147	1,603,807	1,079,123	-	-	-	-	-	-	1,079,123	3.6
	Total Laker	631	105	736	11,919,112	6,985,845	110,767	5,829,397	-	34,439	-	-	12,960,448	43.5
Non-Cargo (2)		-	153	153	62,429	-	-	-	-	-	-	-	-	-
Total Downbound		973	399	1,372	19,603,823	8,295,194	110,767	10,002,044	-	41,626	5,836	-	18,455,467	61.9
TOTALS:														
Ocean:	Cargo	676	105	781	13,228,431	2,772,190	-	4,181,039	-	36,235	2,721,729	788,199	10,499,392	35.2
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	125	60	185	2,013,974	1,110,721	-	-	-	-	-	-	1,110,721	3.7
	Total Ocean	801	165	966	15,242,405	3,882,911	-	4,181,039	-	36,235	2,721,729	788,199	11,610,113	39.0
Laker:	Cargo	696	349	1,045	19,901,908	10,230,329	110,767	5,767,376	-	41,055	-	-	16,149,527	54.2
	Barge	80	50	130	746,433	484,324	-	89,389	-	-	-	-	573,713	1.9
	Tanker	153	141	294	3,207,889	1,458,785	-	-	-	-	-	-	1,458,785	4.9
	Total Laker	929	540	1,469	23,856,230	12,173,438	110,767	5,856,765	-	41,055	-	-	18,182,025	61.0
Non-Cargo (2)		-	314	314	128,880	-	-	-	-	-	-	-	-	-
GRAND TOTAL		1,730	1,019	2,749	39,227,515	16,056,349	110,767	10,037,804	-	77,290	2,721,729	788,199	29,792,138	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 2021

TABLE M2

MONTREAL-LAKE ONTARIO SECTION

COMMODITY	CARGO TONNES								% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	
Wheat	-	-	5,393,212	-	-	-	-	5,393,212	18.1
Corn	-	-	1,356,837	-	-	-	-	1,356,837	4.6
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	10,194	-	-	-	-	10,194	0.0
Barley	-	-	-	-	-	-	-	-	-
Canola (Rapeseed)	-	-	787,557	-	-	-	-	787,557	2.6
Canola Meal, Pellets	-	-	-	-	-	-	-	-	-
Flour, Wheat & Other Edible	1,033	-	-	-	-	-	-	1,033	0.0
Soybeans	-	-	2,136,340	-	-	-	-	2,136,340	7.2
Soybean Oil Cake, Meal, Pellets	-	-	146,591	-	-	-	-	146,591	0.5
Beans and Peas	-	-	-	-	-	-	-	-	-
Flaxseed	-	-	40,466	-	-	-	-	40,466	0.1
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	166,607	-	1,366	-	-	167,973	0.6
Total Agricultural Products	1,033	-	10,037,804	-	1,366	-	-	10,040,203	33.7
Packing House Products, Edible	9,803	-	-	-	-	-	-	9,803	0.0
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	-	-	-	-	-	-	-	-	-
Total Animal Products	9,803	-	-	-	-	-	-	9,803	0.0
Bituminous Coal	-	110,767	-	-	-	-	-	110,767	0.4
Coke	1,183,403	-	-	-	-	-	-	1,183,403	4.0
Iron Ore	5,852,596	-	-	-	-	-	-	5,852,596	19.6
Aluminum Ore and Concentrates	235,219	-	-	-	-	-	-	235,219	0.8
Clay and Bentonite	27,430	-	-	-	-	-	-	27,430	0.1
Gravel and Sand	-	-	-	-	-	-	-	-	-
Stone	106,253	-	-	-	-	-	-	106,253	0.4
Salt	1,002,256	-	-	-	-	-	-	1,002,256	3.4
Potash	438,803	-	-	-	-	-	-	438,803	1.5
Gypsum	895,581	-	-	-	-	-	-	895,581	3.0
Asphalt	257,454	-	-	-	-	-	-	257,454	0.9
Other Mine Products	93,078	-	-	-	4,026	-	-	97,104	0.3
Total Mine Products	10,092,073	110,767	-	-	4,026	-	-	10,206,866	34.3
Lumber	22,024	-	-	-	-	-	-	22,024	0.1
Other Forest Products	-	-	-	-	314	-	-	314	0.0
Total Forest Products	22,024	-	-	-	314	-	-	22,338	0.1
Gasoline	499,915	-	-	-	-	-	-	499,915	1.7
Fuel Oil	1,199,694	-	-	-	20	-	-	1,199,714	4.0
Other Petroleum Products	15,670	-	-	-	16	-	-	15,686	0.1
Chemicals	821,495	-	-	-	8,393	282	-	830,170	2.8
Sodium Products	11,908	-	-	-	-	-	-	11,908	0.0
Tar, Pitch and Creosote	46,215	-	-	-	467	-	-	46,682	0.2
Pig Iron	41,507	-	-	-	-	-	-	41,507	0.1
Iron and Steel	5,001	-	-	-	1,088	2,640,797	-	2,646,886	8.9
Steel Slabs	12,177	-	-	-	-	-	788,199	800,376	2.7
Machinery and Machines	3,359	-	-	-	2,306	24,523	-	30,188	0.1
Cement	643,236	-	-	-	-	-	-	643,236	2.2
Cement Clinkers	-	-	-	-	-	-	-	-	-
Woodpulp	45,223	-	-	-	-	-	-	45,223	0.2
Newsprint and Paper Products	-	-	-	-	2,373	-	-	2,373	0.0
Syrup and Molasses	-	-	-	-	26	-	-	26	0.0
Sugar	714,724	-	-	-	-	-	-	714,724	2.4
Food Products	8,005	-	-	-	392	-	-	8,397	0.0
Furnace Slags	752,018	-	-	-	-	-	-	752,018	2.5
Scrap Iron and Steel	54,889	-	-	-	-	-	-	54,889	0.2
Other Manufactures and Misc. (2)	1,056,380	-	-	-	56,503	56,127	-	1,169,010	3.9
Total Manufactures and Misc.	5,931,416	-	-	-	71,584	2,721,729	788,199	9,512,928	31.9
GRAND TOTAL	16,056,349	110,767	10,037,804	-	77,290	2,721,729	788,199	29,792,138	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 2021

TABLE M3 - Part A

MONTREAL-LAKE ONTARIO SECTION

NO.		COMMODITY	from:		UPBOUND TONNES						TOTAL UPBOUND	% OF TOTAL UP- BOUND
			to:	CANADA		UNITED STATES		FOREIGN				
				Canada	United States	Canada	United States	Canada	United States			
1	Wheat	-	-	-	-	-	-	-	-	-	-	
2	Corn	-	-	-	-	-	-	-	-	-	-	
3	Rye	-	-	-	-	-	-	-	-	-	-	
4	Oats	-	-	-	-	-	8,392	8,392	0.1	-	-	
5	Barley	-	-	-	-	-	-	-	-	-	-	
6	Canola (Rapeseed)	-	-	-	-	-	-	-	-	-	-	
7	Canola Meal, Pellets	-	-	-	-	-	-	-	-	-	-	
8	Flour, Wheat & Other Edible	-	-	-	-	-	1,033	1,033	0.0	-	-	
9	Soybeans	27,368	-	-	-	-	-	27,368	0.2	-	-	
10	Soybean Oil Cake, Meal, Pellets	-	-	-	-	-	-	-	-	-	-	
11	Beans and Peas	-	-	-	-	-	-	-	-	-	-	
12	Flaxseed	-	-	-	-	-	-	-	-	-	-	
13	Sunflower Seeds	-	-	-	-	-	-	-	-	-	-	
14	Other Agricultural Products	-	-	-	-	456	910	1,366	0.0	-	-	
15	Total Agricultural Products	27,368	-	-	-	456	10,335	38,159	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	-	-	-	-	3,201	35,010	38,211	0.3	-	-	
22	Iron Ore	1,715,647	163,871	-	-	-	-	1,879,518	16.6	-	-	
23	Aluminum Ore and Concentrates	49,837	178,047	-	-	7,335	-	235,219	2.1	-	-	
24	Clay and Bentonite	-	-	-	-	-	-	-	-	-	-	
25	Gravel and Sand	-	-	-	-	-	-	-	-	-	-	
26	Stone	79,915	-	-	-	25	26,313	106,253	0.9	-	-	
27	Salt	118,238	54,330	-	-	-	-	172,568	1.5	-	-	
28	Potash	-	-	-	-	-	10,600	10,600	0.1	-	-	
29	Gypsum	799,760	95,821	-	-	-	-	895,581	7.9	-	-	
30	Asphalt	5,494	38,739	-	-	-	-	44,233	0.4	-	-	
31	Other Mine Products	-	8,809	31,284	-	9,139	46,824	96,056	0.8	-	-	
32	Total Mine Products	2,768,891	539,617	31,284	-	19,700	118,747	3,478,239	30.7	-	-	
33	Lumber	-	-	-	-	1,606	20,418	22,024	0.2	-	-	
34	Other Forest Products	-	-	-	-	-	314	314	0.0	-	-	
35	Total Forest Products	-	-	-	-	1,606	20,732	22,338	0.2	-	-	
36	Gasoline	158,437	-	-	-	133,410	-	291,847	2.6	-	-	
37	Fuel Oil	95,713	25,748	34,726	-	27,733	-	183,920	1.6	-	-	
38	Other Petroleum Products	-	-	-	-	7,604	-	7,604	0.1	-	-	
39	Chemicals	-	6,016	-	-	604,079	59,426	669,521	5.9	-	-	
40	Sodium Products	-	-	-	-	11,908	-	11,908	0.1	-	-	
41	Tar, Pitch and Creosote	-	-	-	-	31,755	-	31,755	0.3	-	-	
42	Pig Iron	-	23,914	-	-	-	17,593	41,507	0.4	-	-	
43	Iron and Steel	4,959	-	-	-	1,617,832	1,019,613	2,642,404	23.3	-	-	
44	Steel Slabs	12,177	-	-	-	679,939	108,260	800,376	7.1	-	-	
45	Machinery and Machines	170	-	-	864	14,878	11,094	27,006	0.2	-	-	
46	Cement	461,047	-	-	-	18,149	145,515	624,711	5.5	-	-	
47	Cement Clinkers	-	-	-	-	-	-	-	-	-	-	
48	Woodpulp	-	-	-	-	-	45,223	45,223	0.4	-	-	
49	Newsprint and Paper Products	-	-	-	-	151	2,222	2,373	0.0	-	-	
50	Syrup and Molasses	-	-	-	-	-	26	26	0.0	-	-	
51	Sugar	173,248	-	-	-	518,602	22,874	714,724	6.3	-	-	
52	Food Products	-	-	-	-	8,159	238	8,397	0.1	-	-	
53	Furnace Slags	291,656	239,907	-	-	21,250	57,531	610,344	5.4	-	-	
54	Scrap Iron and Steel	-	-	-	-	-	-	-	-	-	-	
55	Other Manufactures and Misc. (1)	86,851	303,481	98,506	112	513,007	82,332	1,084,289	9.6	-	-	
56	Total Manufactures and Misc.	1,284,258	599,066	133,232	976	4,208,456	1,571,947	7,797,935	68.8	-	-	
57	GRAND TOTAL	4,080,517	1,138,683	164,516	976	4,230,218	1,721,761	11,336,671	100.0	-	-	

(1) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2021**

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					
3,994,931	-	947,717	41,359	-	409,205	5,393,212	29.2	5,393,212	18.1	1
126,870	-	1,139,676	36,158	-	54,133	1,356,837	7.4	1,356,837	4.6	2
-	-	-	-	-	-	-	-	-	-	3
-	-	1,802	-	-	-	1,802	0.0	10,194	0.0	4
-	-	-	-	-	-	-	-	-	-	5
334,692	-	452,865	-	-	-	787,557	4.3	787,557	2.6	6
-	-	-	-	-	-	-	-	-	-	7
-	-	-	-	-	-	-	-	1,033	0.0	8
1,025,254	-	564,897	217,732	-	301,089	2,108,972	11.4	2,136,340	7.2	9
44,479	-	78,436	-	-	23,676	146,591	0.8	146,591	0.5	10
-	-	-	-	-	-	-	-	-	-	11
7,922	-	32,544	-	-	-	40,466	0.2	40,466	0.1	12
-	-	-	-	-	-	-	-	-	-	13
-	-	30,393	-	-	136,214	166,607	0.9	167,973	0.6	14
5,534,148	-	3,248,330	295,249	-	924,317	10,002,044	54.2	10,040,203	33.7	15
-	9,803	-	-	-	-	9,803	0.1	9,803	0.0	16
-	-	-	-	-	-	-	-	-	-	17
-	-	-	-	-	-	-	-	-	-	18
-	9,803	-	-	-	-	9,803	0.1	9,803	0.0	19
-	-	-	110,767	-	-	110,767	0.6	110,767	0.4	20
260,496	-	166,414	366,032	-	352,250	1,145,192	6.2	1,183,403	4.0	21
518,927	-	-	3,440,281	-	13,870	3,973,078	21.5	5,852,596	19.6	22
-	-	-	-	-	-	-	-	235,219	0.8	23
-	-	27,430	-	-	-	27,430	0.1	27,430	0.1	24
-	-	-	-	-	-	-	-	-	-	25
-	-	-	-	-	-	-	-	106,253	0.4	26
740,119	-	-	89,569	-	-	829,688	4.5	1,002,256	3.4	27
13,504	-	414,699	-	-	-	428,203	2.3	438,803	1.5	28
-	-	-	-	-	-	-	-	895,581	3.0	29
111,553	17,545	-	84,123	-	-	213,221	1.2	257,454	0.9	30
-	1,048	-	-	-	-	1,048	0.0	97,104	0.3	31
1,644,599	18,593	608,543	4,090,772	-	366,120	6,728,627	36.5	10,206,866	34.3	32
-	-	-	-	-	-	-	-	22,024	0.1	33
-	-	-	-	-	-	-	-	314	0.0	34
-	-	-	-	-	-	-	-	22,338	0.1	35
179,050	-	29,018	-	-	-	208,068	1.1	499,915	1.7	36
930,713	17,963	67,118	-	-	-	1,015,794	5.5	1,199,714	4.0	37
-	-	8,066	-	-	16	8,082	0.0	15,686	0.1	38
21,778	53,866	42,395	41,624	-	986	160,649	0.9	830,170	2.8	39
-	-	-	-	-	-	-	-	11,908	0.0	40
-	-	14,927	-	-	-	14,927	0.1	46,682	0.2	41
-	-	-	-	-	-	-	-	41,507	0.1	42
-	-	458	-	42	3,982	4,482	0.0	2,646,886	8.9	43
-	-	-	-	-	-	-	-	800,376	2.7	44
60	-	857	-	2,265	-	3,182	0.0	30,188	0.1	45
18,525	-	-	-	-	-	18,525	0.1	643,236	2.2	46
-	-	-	-	-	-	-	-	-	-	47
-	-	-	-	-	-	-	-	45,223	0.2	48
-	-	-	-	-	-	-	-	2,373	0.0	49
-	-	-	-	-	-	-	-	26	0.0	50
-	-	-	-	-	-	-	-	714,724	2.4	51
-	-	-	-	-	-	-	-	8,397	0.0	52
126,625	-	15,049	-	-	-	141,674	0.8	752,018	2.5	53
-	-	54,889	-	-	-	54,889	0.3	54,889	0.2	54
70,696	6,650	3,551	850	-	2,974	84,721	0.5	1,169,010	3.9	55
1,347,447	78,479	236,328	42,474	2,307	7,958	1,714,993	9.3	9,512,928	31.9	56
8,526,194	106,875	4,093,201	4,428,495	2,307	1,298,395	18,455,467	100.0	29,792,138	100.0	57

**TRAFFIC BY MONTH AND TYPE OF CARGO
2021**

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	10	15	25	421,308	104,193	-	-	-	-	20,277	41,727	166,197	0.6
April	83	57	140	2,080,603	908,211	-	-	-	1,605	191,066	119,623	1,220,505	4.1
May	86	58	144	2,120,957	781,982	-	8,392	-	3,561	293,013	101,786	1,188,734	4.0
June	87	70	157	2,105,956	872,637	-	-	-	4,129	279,572	102,573	1,258,911	4.2
July	84	69	153	2,068,126	915,918	-	27,368	-	2,842	263,425	77,995	1,287,548	4.3
August	77	63	140	1,934,116	866,524	-	-	-	3,177	288,550	39,653	1,197,904	4.0
September	84	65	149	2,109,261	796,753	-	-	-	5,888	313,780	103,160	1,219,581	4.1
October	78	81	159	2,211,966	839,402	-	-	-	4,376	284,069	79,980	1,207,827	4.1
November	99	75	174	2,684,412	972,333	-	-	-	5,317	531,039	121,702	1,630,391	5.5
December	69	67	136	1,886,987	703,202	-	-	-	4,769	251,102	-	959,073	3.2
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Upbound	757	620	1,377	19,623,692	7,761,155	-	35,760	-	35,664	2,715,893	788,199	11,336,671	38.1
DOWNBOUND:													
March	10	3	13	150,411	89,331	-	54,745	-	-	-	-	144,076	0.5
April	92	32	124	1,810,975	746,970	24,312	1,021,304	-	3,448	822	-	1,796,856	6.0
May	113	35	148	2,153,916	819,520	-	1,347,462	-	607	-	-	2,167,589	7.3
June	114	52	166	2,236,092	1,252,104	-	827,195	-	9,845	-	-	2,089,144	7.0
July	99	46	145	1,988,543	1,069,019	10,023	759,248	-	4,967	-	-	1,843,257	6.2
August	93	53	146	2,068,608	1,065,296	-	689,618	-	10,107	-	-	1,765,021	5.9
September	94	50	144	1,944,622	1,004,779	10,819	755,825	-	10,015	-	-	1,781,438	6.0
October	113	40	153	2,206,170	672,267	54,777	1,452,731	-	1,885	-	-	2,181,660	7.3
November	127	33	160	2,474,282	764,747	10,836	1,661,689	-	324	-	-	2,437,596	8.2
December	118	55	173	2,570,204	811,161	-	1,432,227	-	428	5,014	-	2,248,830	7.5
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Downbound	973	399	1,372	19,603,823	8,295,194	110,767	10,002,044	-	41,626	5,836	-	18,455,467	61.9
TOTALS:													
March	20	18	38	571,719	193,524	-	54,745	-	-	20,277	41,727	310,273	1.0
April	175	89	264	3,891,578	1,655,181	24,312	1,021,304	-	5,053	191,888	119,623	3,017,361	10.1
May	199	93	292	4,274,873	1,601,502	-	1,355,854	-	4,168	293,013	101,786	3,356,323	11.3
June	201	122	323	4,342,048	2,124,741	-	827,195	-	13,974	279,572	102,573	3,348,055	11.2
July	183	115	298	4,056,669	1,984,937	10,023	786,616	-	7,809	263,425	77,995	3,130,805	10.5
August	170	116	286	4,002,724	1,931,820	-	689,618	-	13,284	288,550	39,653	2,962,925	9.9
September	178	115	293	4,053,883	1,801,532	10,819	755,825	-	15,903	313,780	103,160	3,001,019	10.1
October	191	121	312	4,418,136	1,511,669	54,777	1,452,731	-	6,261	284,069	79,980	3,389,487	11.4
November	226	108	334	5,158,694	1,737,080	10,836	1,661,689	-	5,641	531,039	121,702	4,067,987	13.7
December	187	122	309	4,457,191	1,514,363	-	1,432,227	-	5,197	256,116	-	3,207,903	10.8
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	1,730	1,019	2,749	39,227,515	16,056,349	110,767	10,037,804	-	77,290	2,721,729	788,199	29,792,138	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
2002 - 2021

TABLE M5

MONTREAL-LAKE ONTARIO SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
2002	1,300	1,312	2,612	15,583,223	14,694,601	30,277,824	15,173,745	15,097,139	30,270,884
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
TOTAL	27,477	27,559	55,036	263,963,221	326,404,247	590,367,468	335,913,046	335,864,456	671,777,502

**CARGO BY TARIFF CLASSIFICATION
2002 - 2021**

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	%	
2002	15,604,029	52.0	336,425	1.1	9,863,912	32.9	25,834	0.1	14,721	0.0	3,019,259	10.1	1,138,112	3.8	30,002,292
2003	16,927,793	58.6	214,728	0.7	9,188,854	31.8	7,826	0.0	15,208	0.1	2,118,663	7.3	427,368	1.5	28,900,440
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
TOTAL	324,557,603	55.3	14,819,524	2.5	196,006,773	33.4	44,724	0.0	860,660	0.1	42,892,504	7.3	7,959,065	1.4	587,140,853

(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
2002 - 2021**

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
2002	16,904,264	1,022	278	1,300	13,098,028	796	516	1,312	30,002,292	1,818	794	2,612
2003	16,436,399	967	324	1,291	12,464,041	768	520	1,288	28,900,440	1,735	844	2,579
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
TOTAL	259,179,657	16,819	10,658	27,477	327,961,196	18,622	8,937	27,559	587,140,853	35,441	19,595	55,036

COMMODITY GROUPS
2002 - 2021

TABLE M8

MONTREAL-LAKE ONTARIO SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
2002	9,889,299	33.0	31,251	0.1	11,933,604	39.8	98,953	0.3	8,049,185	26.8	30,002,292
2003	9,201,438	31.8	31,849	0.1	12,799,316	44.3	70,476	0.2	6,797,361	23.5	28,900,440
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
TOTAL	196,192,099	33.4	222,741	0.0	239,791,303	40.8	484,010	0.1	150,450,700	25.6	587,140,853

**U.S. GRAINS
2002 - 2021**

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
2002	1,864,851	44.1	717,870	17.0	-	-	-	-	24,451	0.6	1,438,093	34.0	69,736	1.6	112,496	2.7	4,227,497
2003	1,810,637	53.7	559,997	16.6	-	-	-	-	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
TOTAL	24,563,583	48.4	6,578,486	13.0	-	-	402,323	0.8	131,876	0.3	15,593,831	30.7	431,789	0.9	3,040,145	6.0	50,742,033

**CANADIAN GRAINS
2002 - 2021**

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
2002	3,993,735	71.8	97,757	1.8	32,344	0.6	210,181	3.8	115,963	2.1	391,679	7.0	534,353	9.6	182,779	3.3	5,558,791
2003	4,386,858	75.9	5,399	0.1	42,534	0.7	278,592	4.8	46,615	0.8	339,687	5.9	454,788	7.9	228,150	3.9	5,782,623
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
TOTAL	93,963,866	64.9	7,949,979	5.5	231,749	0.2	11,817,303	8.2	206,230	0.1	20,593,770	14.2	4,384,183	3.0	5,725,806	4.0	144,872,886

**SELECTED MINING COMMODITIES
2002 - 2021**

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	%	
2002	336,425	2.8	847,622	7.1	8,166,897	68.4	110,613	0.9	24,405	0.2	323,541	2.7	853,795	7.2	1,270,306	10.6	11,933,604
2003	214,728	1.7	680,875	5.3	9,259,086	72.3	109,485	0.9	3,050	0.0	272,054	2.1	766,237	6.0	1,493,801	11.7	12,799,316
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
TOTAL	14,819,524	6.2	23,241,603	9.7	145,636,645	60.7	1,831,582	0.8	107,229	0.0	5,058,126	2.1	24,204,032	10.1	24,892,562	10.4	239,791,303

SELECTED PROCESSED COMMODITIES
2002 - 2021

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	%
2002	722,291	9.0	454,928	5.7	557,911	6.9	76,218	0.9	232,784	2.9	4,067,662	50.5	86,187	1.1	55,833	0.7	1,795,371	22.3
2003	602,920	8.9	931,187	13.7	632,152	9.3	73,758	1.1	179,104	2.6	2,494,287	36.7	81,196	1.2	50,196	0.7	1,752,561	25.8
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
TOTAL	13,231,996	8.8	22,103,049	14.7	13,780,028	9.2	371,808	0.2	3,308,335	2.2	48,884,741	32.5	3,216,445	2.1	2,322,093	1.5	43,232,416	28.7

⁽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 2021

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	225	59	284	4,749,950	594,353	-	8,392	-	24,824	1,503,797	166,374	2,297,740	8.3
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	15	15	30	318,214	144,466	-	-	-	-	-	-	144,466	0.5
	Total Ocean	240	74	314	5,068,164	738,819	-	8,392	-	24,824	1,503,797	166,374	2,442,206	8.8
Laker:	Cargo	138	634	772	14,420,684	1,849,896	-	27,905	-	-	-	-	1,877,801	6.8
	Barge	89	43	132	918,965	837,905	-	-	-	-	-	-	837,905	3.0
	Tanker	11	120	131	1,470,949	98,671	-	-	-	-	-	-	98,671	0.4
	Total Laker	238	797	1,035	16,810,598	2,786,472	-	27,905	-	-	-	-	2,814,377	10.2
Non-Cargo (2)		-	197	197	92,771	-	-	-	-	-	-	-	-	-
Total Upbound		478	1,068	1,546	21,971,533	3,525,291	-	36,297	-	24,824	1,503,797	166,374	5,256,583	19.0
DOWNBOUND:														
Ocean:	Cargo	215	68	283	4,740,339	904,276	-	2,831,019	-	3,976	5,378	-	3,744,649	13.5
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	21	9	30	318,214	121,450	-	-	-	-	-	-	121,450	0.4
	Total Ocean	236	77	313	5,058,553	1,025,726	-	2,831,019	-	3,976	5,378	-	3,866,099	14.0
Laker:	Cargo	681	86	767	14,300,746	9,330,052	2,115,932	5,315,642	-	-	-	-	16,761,626	60.6
	Barge	60	75	135	927,529	396,471	-	89,389	-	-	-	-	485,860	1.8
	Tanker	127	4	131	1,470,674	1,287,836	-	-	-	-	-	-	1,287,836	4.7
	Total Laker	868	165	1,033	16,698,949	11,014,359	2,115,932	5,405,031	-	-	-	-	18,535,322	67.0
Non-Cargo (2)		-	189	189	89,247	-	-	-	-	-	-	-	-	-
Total Downbound		1,104	431	1,535	21,846,749	12,040,085	2,115,932	8,236,050	-	3,976	5,378	-	22,401,421	81.0
TOTALS:														
Ocean:	Cargo	440	127	567	9,490,289	1,498,629	-	2,839,411	-	28,800	1,509,175	166,374	6,042,389	21.8
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	36	24	60	636,428	265,916	-	-	-	-	-	-	265,916	1.0
	Total Ocean	476	151	627	10,126,717	1,764,545	-	2,839,411	-	28,800	1,509,175	166,374	6,308,305	22.8
Laker:	Cargo	819	720	1,539	28,721,430	11,179,948	2,115,932	5,343,547	-	-	-	-	18,639,427	67.4
	Barge	149	118	267	1,846,494	1,234,376	-	89,389	-	-	-	-	1,323,765	4.8
	Tanker	138	124	262	2,941,623	1,386,507	-	-	-	-	-	-	1,386,507	5.0
	Total Laker	1,106	962	2,068	33,509,547	13,800,831	2,115,932	5,432,936	-	-	-	-	21,349,699	77.2
Non-Cargo (2)		-	386	386	182,018	-	-	-	-	-	-	-	-	-
GRAND TOTAL		1,582	1,499	3,081	43,818,282	15,565,376	2,115,932	8,272,347	-	28,800	1,509,175	166,374	27,658,004	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
2021**

TABLE W2

WELLAND CANAL SECTION

COMMODITY	CARGO TONNES								% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	
Wheat	-	-	5,408,927	-	-	-	-	5,408,927	19.6
Corn	-	-	463,327	-	-	-	-	463,327	1.7
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	10,194	-	-	-	-	10,194	0.0
Barley	-	-	-	-	-	-	-	-	-
Canola (Rapeseed)	-	-	942,770	-	-	-	-	942,770	3.4
Canola Meal, Pellets	-	-	-	-	-	-	-	-	-
Flour, Wheat & Other Edible	1,033	-	-	-	-	-	-	1,033	0.0
Soybeans	-	-	1,117,399	-	-	-	-	1,117,399	4.0
Soybean Oil Cake, Meal, Pellets	-	-	135,769	-	-	-	-	135,769	0.5
Beans and Peas	-	-	-	-	-	-	-	-	-
Flaxseed	-	-	40,466	-	-	-	-	40,466	0.1
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	153,495	-	1,366	-	-	154,861	0.6
Total Agricultural Products	1,033	-	8,272,347	-	1,366	-	-	8,274,746	29.9
Packing House Products, Edible	-	-	-	-	-	-	-	-	-
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	-	-	-	-	-	-	-	-	-
Total Animal Products	-	-	-	-	-	-	-	-	-
Bituminous Coal	-	2,115,932	-	-	-	-	-	2,115,932	7.7
Coke	1,430,866	-	-	-	-	-	-	1,430,866	5.2
Iron Ore	5,134,085	-	-	-	-	-	-	5,134,085	18.6
Aluminum Ore and Concentrates	178,047	-	-	-	-	-	-	178,047	0.6
Clay and Bentonite	27,430	-	-	-	-	-	-	27,430	0.1
Gravel and Sand	154,406	-	-	-	-	-	-	154,406	0.6
Stone	293,488	-	-	-	-	-	-	293,488	1.1
Salt	2,676,692	-	-	-	-	-	-	2,676,692	9.7
Potash	513,533	-	-	-	-	-	-	513,533	1.9
Gypsum	95,821	-	-	-	-	-	-	95,821	0.3
Asphalt	287,573	-	-	-	-	-	-	287,573	1.0
Other Mine Products	51,999	-	-	-	3,750	-	-	55,749	0.2
Total Mine Products	10,843,940	2,115,932	-	-	3,750	-	-	12,963,622	46.9
Lumber	20,418	-	-	-	-	-	-	20,418	0.1
Other Forest Products	-	-	-	-	314	-	-	314	0.0
Total Forest Products	20,418	-	-	-	314	-	-	20,732	0.1
Gasoline	414,783	-	-	-	-	-	-	414,783	1.5
Fuel Oil	1,115,268	-	-	-	20	-	-	1,115,288	4.0
Other Petroleum Products	8,066	-	-	-	16	-	-	8,082	0.0
Chemicals	239,550	-	-	-	4,112	-	-	243,662	0.9
Sodium Products	-	-	-	-	-	-	-	-	-
Tar, Pitch and Creosote	-	-	-	-	-	-	-	-	-
Pig Iron	41,507	-	-	-	-	-	-	41,507	0.2
Iron and Steel	602	-	-	-	1,067	1,438,597	-	1,440,266	5.2
Steel Slabs	-	-	-	-	-	-	166,374	166,374	0.6
Machinery and Machines	4,247	-	-	-	2,198	18,836	-	25,281	0.1
Cement	815,989	-	-	-	-	-	-	815,989	3.0
Cement Clinkers	662,411	-	-	-	-	-	-	662,411	2.4
Woodpulp	45,223	-	-	-	-	-	-	45,223	0.2
Newsprint and Paper Products	-	-	-	-	2,222	-	-	2,222	0.0
Syrup and Molasses	-	-	-	-	26	-	-	26	0.0
Sugar	28,192	-	-	-	-	-	-	28,192	0.1
Food Products	-	-	-	-	260	-	-	260	0.0
Furnace Slags	881,054	-	-	-	-	-	-	881,054	3.2
Scrap Iron and Steel	27,231	-	-	-	-	-	-	27,231	0.1
Other Manufactures and Misc. (2)	415,862	-	-	-	13,449	51,742	-	481,053	1.7
Total Manufactures and Misc.	4,699,985	-	-	-	23,370	1,509,175	166,374	6,398,904	23.1
GRAND TOTAL	15,565,376	2,115,932	8,272,347	-	28,800	1,509,175	166,374	27,658,004	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 2021

TABLE W3 - Part A

MONTREAL-LAKE ONTARIO SECTION

			UPBOUND TONNES						% OF	
NO.	COMMODITY	from: to:	CANADA		UNITED STATES		FOREIGN		TOTAL UPBOUND	TOTAL UP- BOUND
			Canada	United States	Canada	United States	Canada	United States		
1	Wheat		12,637	15,268	-	-	-	-	27,905	0.5
2	Corn		-	-	-	-	-	-	-	-
3	Rye		-	-	-	-	-	-	-	-
4	Oats		-	-	-	-	-	8,392	8,392	0.2
5	Barley		-	-	-	-	-	-	-	-
6	Canola (Rapeseed)		-	-	-	-	-	-	-	-
7	Canola Meal, Pellets		-	-	-	-	-	-	-	-
8	Flour, Wheat & Other Edible		-	-	-	-	-	1,033	1,033	0.0
9	Soybeans		-	-	-	-	-	-	-	-
10	Soybean Oil Cake, Meal, Pellets		-	-	-	-	-	-	-	-
11	Beans and Peas		-	-	-	-	-	-	-	-
12	Flaxseed		-	-	-	-	-	-	-	-
13	Sunflower Seeds		-	-	-	-	-	-	-	-
14	Other Agricultural Products		-	-	-	-	456	910	1,366	0.0
15	Total Agricultural Products		12,637	15,268	-	-	456	10,335	38,696	0.7
16	Packing House Products, Edible		-	-	-	-	-	-	-	-
17	Hides, Skins, Pelts, Wool		-	-	-	-	-	-	-	-
18	Other Animal Products		-	-	-	-	-	-	-	-
19	Total Animal Products		-	-	-	-	-	-	-	-
20	Bituminous Coal		-	-	-	-	-	-	-	-
21	Coke		-	8,325	-	-	3,201	35,010	46,536	0.9
22	Iron Ore		5,379	163,871	-	-	-	-	169,250	3.2
23	Aluminum Ore and Concentrates		-	178,047	-	-	-	-	178,047	3.4
24	Clay and Bentonite		-	-	-	-	-	-	-	-
25	Gravel and Sand		-	-	-	-	-	-	-	-
26	Stone		22,737	156,881	-	-	-	26,313	205,931	3.9
27	Salt		-	134,520	-	-	-	-	134,520	2.6
28	Potash		-	-	-	-	-	10,600	10,600	0.2
29	Gypsum		-	95,821	-	-	-	-	95,821	1.8
30	Asphalt		-	31,231	-	-	-	-	31,231	0.6
31	Other Mine Products		-	8,809	-	-	116	46,824	55,749	1.1
32	Total Mine Products		28,116	777,505	-	-	3,317	118,747	927,685	17.6
33	Lumber		-	-	-	-	-	20,418	20,418	0.4
34	Other Forest Products		-	-	-	-	-	314	314	0.0
35	Total Forest Products		-	-	-	-	-	20,732	20,732	0.4
36	Gasoline		21,223	-	-	-	38,164	-	59,387	1.1
37	Fuel Oil		50,962	18,448	8,951	-	13,508	-	91,869	1.7
38	Other Petroleum Products		-	-	-	-	-	-	-	-
39	Chemicals		-	6,016	-	-	30,857	59,426	96,299	1.8
40	Sodium Products		-	-	-	-	-	-	-	-
41	Tar, Pitch and Creosote		-	-	-	-	-	-	-	-
42	Pig Iron		-	23,914	-	-	-	17,593	41,507	0.8
43	Iron and Steel		-	-	-	-	416,069	1,019,613	1,435,682	27.3
44	Steel Slabs		-	-	-	-	58,114	108,260	166,374	3.2
45	Machinery and Machines		895	223	-	864	9,118	11,094	22,194	0.4
46	Cement		3,940	626,371	-	-	18,149	145,515	793,975	15.1
47	Cement Clinkers		-	662,411	-	-	-	-	662,411	12.6
48	Woodpulp		-	-	-	-	-	45,223	45,223	0.9
49	Newsprint and Paper Products		-	-	-	-	-	2,222	2,222	0.0
50	Syrup and Molasses		-	-	-	-	-	26	26	0.0
51	Sugar		-	-	-	-	-	22,874	22,874	0.4
52	Food Products		-	-	-	-	22	238	260	0.0
53	Furnace Slags		-	268,030	-	-	-	57,531	325,561	6.2
54	Scrap Iron and Steel		-	27,231	-	-	-	-	27,231	0.5
55	Other Manufactures and Misc. (1)		27,027	261,117	49,209	112	57,456	81,454	476,375	9.1
56	Total Manufactures and Misc.		104,047	1,893,761	58,160	976	641,457	1,571,069	4,269,470	81.2
57	GRAND TOTAL		144,800	2,686,534	58,160	976	645,230	1,720,883	5,256,583	100.0

(1) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2021**

TABLE W3 - 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					
4,021,211	-	909,247	41,359	-	409,205	5,381,022	24.0	5,408,927	19.6	1
34,221	-	286,282	88,691	-	54,133	463,327	2.1	463,327	1.7	2
-	-	-	-	-	-	-	-	-	-	3
-	-	1,802	-	-	-	1,802	0.0	10,194	0.0	4
-	-	-	-	-	-	-	-	-	-	5
489,905	-	452,865	-	-	-	942,770	4.2	942,770	3.4	6
-	-	-	-	-	-	-	-	-	-	7
-	-	-	-	-	-	-	-	1,033	0.0	8
459,511	-	139,067	217,732	-	301,089	1,117,399	5.0	1,117,399	4.0	9
44,479	-	67,614	-	-	23,676	135,769	0.6	135,769	0.5	10
-	-	-	-	-	-	-	-	-	-	11
7,922	-	32,544	-	-	-	40,466	0.2	40,466	0.1	12
-	-	-	-	-	-	-	-	-	-	13
-	-	17,281	-	-	136,214	153,495	0.7	154,861	0.6	14
5,057,249	-	1,906,702	347,782	-	924,317	8,236,050	36.8	8,274,746	29.9	15
-	-	-	-	-	-	-	-	-	-	16
-	-	-	-	-	-	-	-	-	-	17
-	-	-	-	-	-	-	-	-	-	18
-	-	-	-	-	-	-	-	-	-	19
29,833	-	-	2,086,099	-	-	2,115,932	9.4	2,115,932	7.7	20
220,328	-	84,994	726,758	-	352,250	1,384,330	6.2	1,430,866	5.2	21
491,638	-	-	4,459,327	-	13,870	4,964,835	22.2	5,134,085	18.6	22
-	-	-	-	-	-	-	-	178,047	0.6	23
-	-	27,430	-	-	-	27,430	0.1	27,430	0.1	24
-	-	-	154,406	-	-	154,406	0.7	154,406	0.6	25
87,557	-	-	-	-	-	87,557	0.4	293,488	1.1	26
1,589,874	162,291	-	790,007	-	-	2,542,172	11.3	2,676,692	9.7	27
70,074	18,160	414,699	-	-	-	502,933	2.2	513,533	1.9	28
-	-	-	-	-	-	-	-	95,821	0.3	29
94,941	28,707	-	132,694	-	-	256,342	1.1	287,573	1.0	30
-	-	-	-	-	-	-	-	55,749	0.2	31
2,584,245	209,158	527,123	8,349,291	-	366,120	12,035,937	53.7	12,963,622	46.9	32
-	-	-	-	-	-	-	-	20,418	0.1	33
-	-	-	-	-	-	-	-	314	0.0	34
-	-	-	-	-	-	-	-	20,732	0.1	35
326,378	-	29,018	-	-	-	355,396	1.6	414,783	1.5	36
1,001,489	17,963	3,967	-	-	-	1,023,419	4.6	1,115,288	4.0	37
-	-	8,066	-	-	16	8,082	0.0	8,082	0.0	38
32,349	15,960	16,105	81,963	-	986	147,363	0.7	243,662	0.9	39
-	-	-	-	-	-	-	-	-	-	40
-	-	-	-	-	-	-	-	-	-	41
-	-	-	-	-	-	-	-	41,507	0.2	42
560	-	-	-	42	3,982	4,584	0.0	1,440,266	5.2	43
-	-	-	-	-	-	-	-	166,374	0.6	44
-	-	822	-	2,265	-	3,087	0.0	25,281	0.1	45
-	-	-	22,014	-	-	22,014	0.1	815,989	3.0	46
-	-	-	-	-	-	-	-	662,411	2.4	47
-	-	-	-	-	-	-	-	45,223	0.2	48
-	-	-	-	-	-	-	-	2,222	0.0	49
-	-	-	-	-	-	-	-	26	0.0	50
-	-	-	5,318	-	-	5,318	0.0	28,192	0.1	51
-	-	-	-	-	-	-	-	260	0.0	52
514,930	-	15,049	25,514	-	-	555,493	2.5	881,054	3.2	53
-	-	-	-	-	-	-	-	27,231	0.1	54
280	574	-	850	-	2,974	4,678	0.0	481,053	1.7	55
1,875,986	34,497	73,027	135,659	2,307	7,958	2,129,434	9.5	6,398,904	23.1	56
9,517,480	243,655	2,506,852	8,832,732	2,307	1,298,395	22,401,421	100.0	27,658,004	100.0	57

**TRAFFIC BY MONTH AND TYPE OF CARGO
2021**

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	12	31	43	697,496	103,964	-	-	-	-	20,277	19,894	144,135	0.5
April	46	106	152	2,179,920	317,880	-	-	-	989	109,357	19,081	447,307	1.6
May	63	117	180	2,628,771	434,000	-	8,392	-	3,169	162,894	22,581	631,036	2.3
June	54	141	195	2,507,697	388,935	-	-	-	3,422	152,287	22,804	567,448	2.1
July	55	113	168	2,374,978	448,848	-	-	-	2,673	134,109	20,901	606,531	2.2
August	47	113	160	2,318,652	367,201	-	12,637	-	611	153,744	-	534,193	1.9
September	48	102	150	2,153,880	335,487	-	-	-	3,273	169,669	-	508,429	1.8
October	50	115	165	2,490,901	342,682	-	15,268	-	2,122	188,876	19,891	568,839	2.1
November	58	110	168	2,478,459	402,072	-	-	-	4,255	303,408	41,222	750,957	2.7
December	42	110	152	1,958,313	355,870	-	-	-	4,310	109,176	-	469,356	1.7
January	3	10	13	182,466	28,352	-	-	-	-	-	-	28,352	0.1
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Upbound	478	1,068	1,546	21,971,533	3,525,291	-	36,297	-	24,824	1,503,797	166,374	5,256,583	19.0
DOWNBOUND:													
March	13	10	23	256,378	116,725	27,370	77,044	-	-	-	-	221,139	0.8
April	102	30	132	2,011,107	1,052,983	214,631	920,214	-	2,382	822	-	2,191,032	7.9
May	126	59	185	2,567,248	1,226,678	227,670	1,141,837	-	-	-	-	2,596,185	9.4
June	136	54	190	2,651,335	1,806,826	225,327	708,215	-	-	-	-	2,740,368	9.9
July	122	41	163	2,374,667	1,520,331	248,958	761,602	-	-	-	-	2,530,891	9.2
August	116	55	171	2,340,480	1,516,412	272,806	629,729	-	-	-	-	2,418,947	8.7
September	111	47	158	2,111,411	1,299,999	249,603	622,964	-	421	-	-	2,172,987	7.9
October	119	38	157	2,381,964	1,133,059	233,907	1,044,046	-	421	-	-	2,411,433	8.7
November	124	32	156	2,342,078	1,089,124	199,039	1,165,597	-	324	-	-	2,454,084	8.9
December	129	53	182	2,614,985	1,223,715	162,596	1,118,791	-	428	4,556	-	2,510,086	9.1
January	6	12	18	195,096	54,233	54,025	46,011	-	-	-	-	154,269	0.6
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Downbound	1,104	431	1,535	21,846,749	12,040,085	2,115,932	8,236,050	-	3,976	5,378	-	22,401,421	81.0
TOTALS:													
March	25	41	66	953,874	220,689	27,370	77,044	-	-	20,277	19,894	365,274	1.3
April	148	136	284	4,191,027	1,370,863	214,631	920,214	-	3,371	110,179	19,081	2,638,339	9.5
May	189	176	365	5,196,019	1,660,678	227,670	1,150,229	-	3,169	162,894	22,581	3,227,221	11.7
June	190	195	385	5,159,032	2,195,761	225,327	708,215	-	3,422	152,287	22,804	3,307,816	12.0
July	177	154	331	4,749,645	1,969,179	248,958	761,602	-	2,673	134,109	20,901	3,137,422	11.3
August	163	168	331	4,659,132	1,883,613	272,806	642,366	-	611	153,744	-	2,953,140	10.7
September	159	149	308	4,265,291	1,635,486	249,603	622,964	-	3,694	169,669	-	2,681,416	9.7
October	169	153	322	4,872,865	1,475,741	233,907	1,059,314	-	2,543	188,876	19,891	2,980,272	10.8
November	182	142	324	4,820,537	1,491,196	199,039	1,165,597	-	4,579	303,408	41,222	3,205,041	11.6
December	171	163	334	4,573,298	1,579,585	162,596	1,118,791	-	4,738	113,732	-	2,979,442	10.8
January	9	22	31	377,562	82,585	54,025	46,011	-	-	-	-	182,621	0.7
February	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	1,582	1,499	3,081	43,818,282	15,565,376	2,115,932	8,272,347	-	28,800	1,509,175	166,374	27,658,004	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
2002 - 2021**

TABLE W5

WELLAND CANAL SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
2002	1,506	1,510	3,016	11,689,831	20,418,339	32,108,170	18,103,106	18,134,151	36,237,257
2003	1,512	1,515	3,027	11,697,639	20,172,827	31,870,466	17,525,485	17,478,649	35,004,134
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
TOTAL	32,131	32,183	64,314	170,140,891	444,263,879	614,404,770	395,227,897	394,669,906	789,897,803

**CARGO BY TARIFF CLASSIFICATION
2002 - 2021**

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	%	
2002	14,956,780	46.6	4,114,092	12.8	10,323,175	32.2	25,834	0.1	848	0.0	2,133,952	6.6	553,489	1.7	32,108,170
2003	16,635,881	52.2	4,196,191	13.2	9,342,431	29.3	7,826	0.0	791	0.0	1,682,564	5.3	4,782	0.0	31,870,466
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
TOTAL	334,022,973	54.4	66,702,900	10.9	179,536,020	29.2	44,724	0.0	155,874	0.0	31,113,553	5.1	2,828,726	0.5	614,404,770

(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
2002 - 2021**

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
2002	11,689,831	766	740	1,506	20,418,339	1,041	469	1,510	32,108,170	1,807	1,209	3,016
2003	11,697,639	725	787	1,512	20,172,827	1,036	479	1,515	31,870,466	1,761	1,266	3,027
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
TOTAL	170,140,891	12,041	20,090	32,131	444,263,879	22,366	9,817	32,183	614,404,770	34,407	29,907	64,314

COMMODITY GROUPS
2002 - 2021

TABLE W8

WELLAND CANAL SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
2002	10,348,562	32.2	5,172	0.0	13,907,368	43.3	89,156	0.3	7,757,912	24.2	32,108,170
2003	9,349,427	29.3	-	-	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
TOTAL	179,576,833	29.2	10,411	0.0	300,619,902	48.9	459,682	0.1	133,737,942	21.8	614,404,770

**U.S. GRAINS
2002 - 2021**

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	%	
2002	1,864,851	40.7	1,003,946	21.9	-	-	-	-	24,451	0.5	1,510,436	33.0	69,736	1.5	105,852	2.3	4,579,272
2003	1,810,637	48.0	885,817	23.5	-	-	-	-	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
TOTAL	24,563,583	46.1	8,863,785	16.6	-	-	415,211	0.8	131,876	0.2	15,822,991	29.7	431,789	0.8	3,020,138	5.7	53,249,373

**CANADIAN GRAINS
2002 - 2021**

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	%	
2002	4,202,114	74.3	66,033	1.2	9,407	0.2	208,316	3.7	114,193	2.0	335,380	5.9	534,353	9.5	182,046	3.2	5,651,842
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
TOTAL	91,670,734	72.8	1,750,208	1.4	233,035	0.2	13,814,212	11.0	187,990	0.1	8,166,652	6.5	4,384,183	3.5	5,684,686	4.5	125,891,700

**SELECTED MINING COMMODITIES
2002 - 2021**

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	%	
2002	4,114,092	29.6	1,194,300	8.6	5,042,945	36.3	110,613	0.8	181,670	1.3	739,559	5.3	1,888,696	13.6	635,493	4.6	13,907,368
2003	4,196,191	26.8	1,004,157	6.4	6,560,453	42.0	109,485	0.7	210,126	1.3	799,893	5.1	2,070,106	13.2	686,711	4.4	15,637,122
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
TOTAL	66,702,900	22.2	29,312,167	9.8	122,310,211	40.7	1,831,582	0.6	2,901,879	1.0	11,179,889	3.7	52,268,487	17.4	14,106,347	4.7	300,613,462

SELECTED PROCESSED COMMODITIES
2002 - 2021

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	%
2002	147,641	1.9	293,209	3.8	421,416	5.4	74,087	1.0	229,653	3.0	2,643,181	34.0	1,305,972	16.8	83,128	1.1	2,574,174	33.1
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
TOTAL	7,841,727	5.9	18,101,305	13.5	5,724,798	4.3	255,888	0.2	3,222,137	2.4	32,849,428	24.6	18,763,731	14.0	2,616,223	2.0	44,284,577	33.1

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

NOTES