

The St. Lawrence Seaway

2018 Traffic Report



THE ST. LAWRENCE SEAWAY TRAFFIC REPORT 2018 NAVIGATION SEASON

PREPARED BY
THE ST. LAWRENCE SEAWAY MANAGEMENT CORPORATION
AND THE
SAINT 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 Saint Lawrence Seaway Development Corporation. Prior to 1983, the last jointly prepared Traffic Report was published in 1976. During the interim years, separate reports were published by the two entities.

This report covers the navigation year as reported in Table S3. 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 2018 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 2018 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

2018 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>Prior to 2003, in Table S1, the Gross Registered Tonnage for the Passenger Vessels was 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 upbound 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" are 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
2018**

TABLE S1

TRAFFIC AND REVENUE	ST. LAWRENCE SEAWAY			MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
TRAFFIC	Tonnes and Transits	% of Total	Variance 2017%	Tonnes and Transits	% of Total	Variance 2017%	Tonnes and Transits	% of Total	Variance 2017%
Cargo Tonnes by Toll Classification:									
Bulk (1)	23,082,794	56.3	1.3	16,252,432	51.6	3.8	16,380,489	54.4	- 5.1
Coal	2,544,993	6.2	13.1	273,805	0.9	45.4	2,544,993	8.4	13.1
Grains	12,297,374	30.0	20.9	11,895,302	37.8	20.6	9,432,884	31.3	10.4
Government Aid	-	-	-	-	-	-	-	-	-
Containers	63,272	0.2	8.0	63,272	0.2	8.0	8,610	0.0	- 31.4
General Cargo	2,272,262	5.5	- 9.6	2,272,262	7.2	- 9.6	1,441,940	4.8	- 22.0
Steel Slabs	750,361	1.8	53.0	750,361	2.4	53.0	310,682	1.0	7.3
Total Cargo Tonnes	41,011,056	100.0	7.1	31,507,434	100.0	9.5	30,119,598	100.0	- 0.3
Gross Registered Tonnage:									
Cargo Vessels	53,591,150	99.0	6.0	39,414,410	99.2	6.9	42,899,897	98.9	- 1.6
Non-Cargo Vessels	299,537	0.6	0.7	178,329	0.4	12.9	262,288	0.6	- 0.6
Passengers	228,631	0.4	5.1	123,548	0.3	14.6	206,883	0.5	8.0
Total Gross Registered Tonnage	54,119,318	100.0	5.9	39,716,287	100.0	6.9	43,369,068	100.0	- 1.6
Vessel Transits:									
Loaded Cargo Vessels	2,431	55.4	7.1	1,927	61.8	10.4	1,675	53.2	- 1.2
Ballast Cargo Vessels	1,155	26.3	3.4	699	22.4	5.9	998	31.7	- 6.7
Non-Cargo Vessels	803	18.3	8.5	492	15.8	18.3	474	15.1	- 1.9
Total Vessel Transits	4,389	100.0	6.3	3,118	100.0	10.5	3,147	100.0	- 3.1
Additional Information:	Number			Number			Number		
Passengers (Number)	8,996	-	- 4.2	4,637	-	11.9	6,347	-	- 5.1
Pleasure Craft Lockages	10,508	-	4.2	6,700	-	- 3.3	3,808	-	20.8
REVENUE (2)	Revenue	% of Total	Variance 2017%	Revenue	% of Total	Variance 2017%	Revenue	% of Total	Variance 2017%
Traffic Revenue (\$) by Toll Classification	\$			\$			\$		
Bulk (1)	29,431,184	37.7	0.1	17,200,238	45.5	4.4	12,230,946	30.4	- 5.4
Coal	2,131,161	2.7	16.1	163,117	0.4	42.2	1,968,043	4.9	14.3
Grains	15,535,494	19.9	16.7	8,241,876	21.8	21.4	7,293,618	18.1	11.7
Government Aid	-	-	-	-	-	-	-	-	-
Containers	46,979	0.1	2.1	41,686	0.1	8.8	5,294	0.0	- 31.1
General Cargo	7,847,347	10.0	- 9.6	6,093,918	16.1	- 5.9	1,753,429	4.4	- 20.4
Steel Slabs	2,129,106	2.7	49.4	1,853,842	4.9	57.3	275,264	0.7	11.7
Gross Registered Tonnage	11,773,387	15.1	2.1	4,210,754	11.1	8.4	7,562,633	18.8	- 1.0
Passengers	119,431	0.2	10.5	33,244	0.1	18.3	86,187	0.2	7.8
Lockage Fees	9,076,734	11.6	- 2.8	-	-	-	9,076,734	22.5	- 2.8
Total Tolls - Current Shipping Season	78,090,823	100.0	3.2	37,838,675	100.0	8.2	40,252,148	100.0	- 1.1

(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.

COMMODITY SUMMARY 2018

TABLE S2

SUMMARY OF MAJOR COMMODITIES	ST. LAWRENCE SEAWAY			MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
	Tonnes	% of Total	Variance 2017%	Tonnes	% of Total	Variance 2017%	Tonnes	% of Total	Variance 2017%
Agricultural Products:									
Wheat	6,177,706	15.1	15.0	6,006,211	19.1	14.5	5,950,148	19.8	16.6
Corn	1,758,533	4.3	117.0	1,758,533	5.6	124.2	586,363	1.9	87.7
Rye	-	-	-	-	-	-	-	-	-
Oats	28,440	0.1	-	28,440	0.1	-	28,440	0.1	-
Barley	-	-	-	-	-	-	-	-	-
Soybeans	3,098,026	7.6	29.2	3,022,851	9.6	26.1	1,634,203	5.4	6.4
Flaxseed	48,565	0.1	142.7	48,565	0.2	142.7	48,565	0.2	142.7
Canola (Rapeseed)	698,781	1.7	- 47.2	543,379	1.7	- 53.4	698,781	2.3	- 47.2
Other Grains	487,323	1.2	95.9	487,323	1.5	95.9	486,384	1.6	95.5
<i>Total Grains</i>	12,297,374	30.0	20.9	11,895,302	37.8	20.6	9,432,884	31.3	10.4
Other Agricultural Products	-	-	- 100.0	-	-	- 100.0	-	-	- 100.0
Total Agricultural Products	12,297,374	30.0	20.9	11,895,302	37.8	20.6	9,432,884	31.3	10.4
Mine Products:									
Iron Ore	7,463,924	18.2	- 9.3	5,536,274	17.6	- 13.0	5,602,918	18.6	- 11.6
Coal	2,544,993	6.2	13.1	273,805	0.9	45.4	2,544,993	8.4	13.1
Coke	1,339,427	3.3	- 16.2	927,848	2.9	- 26.1	1,264,467	4.2	- 19.3
Stone, Ground, Crushed, or Rough	544,897	1.3	19.7	100,513	0.3	6.7	465,007	1.5	28.9
Salt	3,479,479	8.5	6.0	1,751,786	5.6	56.9	2,882,017	9.6	- 11.6
Other Mine Products	1,646,047	4.0	17.4	1,372,767	4.4	23.3	1,056,877	3.5	7.8
Total Mine Products	17,018,767	41.5	- 1.2	9,962,993	31.6	- 1.7	13,816,279	45.9	- 6.4
Processed Products:									
Iron and Steel	2,225,195	5.4	- 8.8	2,225,195	7.1	- 8.8	1,397,932	4.6	- 21.4
Steel Slabs	757,807	1.8	54.5	757,807	2.4	54.5	310,682	1.0	7.3
Petroleum Products	3,210,848	7.8	17.1	3,145,770	10.0	20.5	2,070,008	6.9	11.0
Chemicals	839,210	2.0	17.8	786,267	2.5	20.0	175,182	0.6	7.8
Other Processed Products	4,654,745	11.3	3.5	2,726,990	8.7	5.7	2,914,393	9.7	3.8
Total Processed Products	11,687,805	28.5	7.4	9,642,029	30.6	9.9	6,868,197	22.8	- 0.5
Miscellaneous Cargo:									
Forest Products	2,238	0.0	- 59.4	2,238	0.0	- 59.4	2,238	0.0	- 31.8
Animal Products	4,872	0.0	-	4,872	0.0	-	-	-	-
Total Miscellaneous Cargo	7,110	0.0	29.1	7,110	0.0	29.1	2,238	0.0	- 31.8
GRAND TOTAL	41,011,056	100.0	7.1	31,507,434	100.0	9.5	30,119,598	100.0	-0.3

**ACTUAL OPENING AND CLOSING DATES OF NAVIGATION
1999 - 2018**

TABLE S3

YEAR	MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
	Opening	Closing	Days of Navigation	Opening	Closing	Days of Navigation
1999	March 31	December 25	270	March 31	December 25	270
2000	March 27	December 26	275	March 27	December 25	274
2001	March 23	December 24	277	March 23	December 24	277
2002	March 26	December 26	276	March 26	December 25	275
2003	March 31	December 28	273	March 26	December 30	280
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

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
2018**

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	363	31	394	6,741,401	2,328,600	-	-	-	10,096	2,260,964	750,361	5,350,021	13.0
	Barge	1	-	1	6,220	11,719	-	-	-	-	-	-	11,719	0.0
	Tanker	142	32	174	1,924,063	1,491,603	-	-	-	-	-	-	1,491,603	3.6
	Total Ocean	506	63	569	8,671,684	3,831,922	-	-	-	10,096	2,260,964	750,361	6,853,343	16.7
Laker:	Cargo	306	529	835	15,432,656	5,823,032	-	12,766	-	6,070	-	-	5,841,868	14.2
	Barge	122	88	210	1,253,209	1,023,696	-	-	-	-	-	-	1,023,696	2.5
	Tanker	104	38	142	1,557,153	1,065,388	-	-	-	-	-	-	1,065,388	2.6
	Total Laker	532	655	1,187	18,243,018	7,912,116	-	12,766	-	6,070	-	-	7,930,952	19.3
Non-Cargo		-	405	405	144,902	-	-	-	-	-	-	-	-	-
Passenger		43	4	47	116,514	-	-	-	-	-	-	-	-	-
Total Upbound		1,081	1,127	2,208	27,176,118	11,744,038	-	12,766	-	16,166	2,260,964	750,361	14,784,295	36.0
DOWNBOUND:														
Ocean:	Cargo	339	51	390	6,673,104	448,648	-	5,557,438	-	2,112	11,066	-	6,019,264	14.7
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	77	92	169	1,881,348	714,513	-	-	-	-	-	-	714,513	1.7
	Total Ocean	416	143	559	8,554,452	1,163,161	-	5,557,438	-	2,112	11,066	-	6,733,777	16.4
Laker:	Cargo	736	97	833	15,340,072	8,896,755	2,544,993	6,651,573	-	44,994	-	-	18,138,315	44.2
	Barge	102	105	207	1,251,475	716,889	-	75,597	-	-	232	-	792,718	1.9
	Tanker	54	86	140	1,530,449	561,951	-	-	-	-	-	-	561,951	1.4
	Total Laker	892	288	1,180	18,121,996	10,175,595	2,544,993	6,727,170	-	44,994	232	-	19,492,984	47.5
Non-Cargo		-	398	398	154,635	-	-	-	-	-	-	-	-	-
Passenger		42	2	44	112,117	-	-	-	-	-	-	-	-	-
Total Downbound		1,350	831	2,181	26,943,200	11,338,756	2,544,993	12,284,608	-	47,106	11,298	-	26,226,761	64.0
TOTALS:														
Ocean:	Cargo	702	82	784	13,414,505	2,777,248	-	5,557,438	-	12,208	2,272,030	750,361	11,369,285	27.7
	Barge	1	-	1	6,220	11,719	-	-	-	-	-	-	11,719	0.0
	Tanker	219	124	343	3,805,411	2,206,116	-	-	-	-	-	-	2,206,116	5.4
	Total Ocean	922	206	1,128	17,226,136	4,995,083	-	5,557,438	-	12,208	2,272,030	750,361	13,587,120	33.1
Laker:	Cargo	1,042	626	1,668	30,772,728	14,719,787	2,544,993	6,664,339	-	51,064	-	-	23,980,183	58.5
	Barge	224	193	417	2,504,684	1,740,585	-	75,597	-	-	232	-	1,816,414	4.4
	Tanker	158	124	282	3,087,602	1,627,339	-	-	-	-	-	-	1,627,339	4.0
	Total Laker	1,424	943	2,367	36,365,014	18,087,711	2,544,993	6,739,936	-	51,064	232	-	27,423,936	66.9
Non-Cargo		-	803	803	299,537	-	-	-	-	-	-	-	-	-
Passenger		85	6	91	228,631	-	-	-	-	-	-	-	-	-
GRAND TOTAL		2,431	1,958	4,389	54,119,318	23,082,794	2,544,993	12,297,374	-	63,272	2,272,262	750,361	41,011,056	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 BY CLASSIFICATION AND TYPE OF CARGO
2018**

TABLE C2

ST. LAWRENCE SEAWAY

COMMODITY	CARGO TONNES								% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	
Wheat	-	-	6,177,706	-	-	-	-	6,177,706	15.1
Corn	-	-	1,758,533	-	-	-	-	1,758,533	4.3
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	28,440	-	-	-	-	28,440	0.1
Barley	-	-	-	-	-	-	-	-	-
Canola (Rapeseed)	-	-	698,781	-	-	-	-	698,781	1.7
Canola Meal, Pellets	-	-	45,952	-	-	-	-	45,952	0.1
Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-	-
Soybeans	-	-	3,098,026	-	-	-	-	3,098,026	7.6
Soybean Oil Cake, Meal, Pellets	-	-	222,275	-	-	-	-	222,275	0.5
Beans and Peas	-	-	65,889	-	-	-	-	65,889	0.2
Flaxseed	-	-	48,565	-	-	-	-	48,565	0.1
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	153,207	-	-	-	-	153,207	0.4
Total Agricultural Products	-	-	12,297,374	-	-	-	-	12,297,374	30.0
Packing House Products, Edible	-	-	-	-	-	-	-	-	-
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	4,872	-	-	-	-	-	-	4,872	0.0
Total Animal Products	4,872	-	-	-	-	-	-	4,872	0.0
Bituminous Coal	-	2,544,993	-	-	-	-	-	2,544,993	6.2
Coke	1,339,427	-	-	-	-	-	-	1,339,427	3.3
Iron Ore	7,463,924	-	-	-	-	-	-	7,463,924	18.2
Aluminum Ore and Concentrates	149,739	-	-	-	-	-	-	149,739	0.4
Clay and Bentonite	73,878	-	-	-	-	-	-	73,878	0.2
Gravel and Sand	130,053	-	-	-	-	-	-	130,053	0.3
Stone	542,749	-	-	-	-	2,148	-	544,897	1.3
Salt	3,479,479	-	-	-	-	-	-	3,479,479	8.5
Potash	310,117	-	-	-	-	-	-	310,117	0.8
Gypsum	500,505	-	-	-	-	-	-	500,505	1.2
Asphalt	379,331	-	-	-	-	-	-	379,331	0.9
Other Mine Products	102,415	-	-	-	9	-	-	102,424	0.2
Total Mine Products	14,471,617	2,544,993	-	-	9	2,148	-	17,018,767	41.5
Lumber	-	-	-	-	-	-	-	-	-
Other Forest Products	2,003	-	-	-	235	-	-	2,238	0.0
Total Forest Products	2,003	-	-	-	235	-	-	2,238	0.0
Gasoline	787,981	-	-	-	-	-	-	787,981	1.9
Fuel Oil	2,220,647	-	-	-	-	-	-	2,220,647	5.4
Other Petroleum Products (2)	202,220	-	-	-	-	-	-	202,220	0.5
Chemicals	833,814	-	-	-	5,396	-	-	839,210	2.0
Sodium Products	2,809	-	-	-	-	-	-	2,809	0.0
Tar, Pitch and Creosote	122,420	-	-	-	-	-	-	122,420	0.3
Pig Iron	211,851	-	-	-	-	-	-	211,851	0.5
Iron and Steel	8,772	-	-	-	412	2,216,011	-	2,225,195	5.4
Steel Slabs	7,446	-	-	-	-	-	750,361	757,807	1.8
Machinery and Machines	936	-	-	-	1,278	28,796	-	31,010	0.1
Cement	1,097,733	-	-	-	-	-	-	1,097,733	2.7
Cement Clinkers	788,531	-	-	-	-	-	-	788,531	1.9
Woodpulp	9,000	-	-	-	-	-	-	9,000	0.0
Newsprint and Paper Products	13	-	-	-	377	-	-	390	0.0
Syrup and Molasses	-	-	-	-	-	-	-	-	-
Sugar	622,794	-	-	-	-	-	-	622,794	1.5
Food Products	-	-	-	-	40	-	-	40	0.0
Furnace Slags	771,929	-	-	-	-	-	-	771,929	1.9
Scrap Iron and Steel	81,450	-	-	-	-	-	-	81,450	0.2
Other Manufactures and Misc. (3)	833,956	-	-	-	55,525	25,307	-	914,788	2.2
Total Manufactures and Misc.	8,604,302	-	-	-	63,028	2,270,114	750,361	11,687,805	28.5
GRAND TOTAL	23,082,794	2,544,993	12,297,374	-	63,272	2,272,262	750,361	41,011,056	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) With the 2018 Traffic Report, all biofuels products were removed from the Other Petroleum Products category and moved into the Other Manufactured and Misc. category.

(3) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2018**

TABLE C3 - Part A

ST. LAWRENCE SEAWAY

NO.	COMMODITY	from:		UPBOUND TONNES				TOTAL UPBOUND	% OF TOTAL UP- BOUND	
		to:	CANADA		UNITED STATES		FOREIGN			
			Canada	United States	Canada	United States	Canada			United States
1	Wheat	-	12,766	-	-	-	-	12,766	0.1	
2	Corn	-	-	-	-	-	-	-	-	
3	Rye	-	-	-	-	-	-	-	-	
4	Oats	-	-	-	-	-	-	-	-	
5	Barley	-	-	-	-	-	-	-	-	
6	Canola (Rapeseed)	-	-	-	-	-	-	-	-	
7	Canola Meal, Pellets	-	-	-	-	-	-	-	-	
8	Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-	
9	Soybeans	-	-	-	-	-	-	-	-	
10	Soybean Oil Cake, Meal, Pellets	-	-	-	-	-	-	-	-	
11	Beans and Peas	-	-	-	-	-	-	-	-	
12	Flaxseed	-	-	-	-	-	-	-	-	
13	Sunflower Seeds	-	-	-	-	-	-	-	-	
14	Other Agricultural Products	-	-	-	-	-	-	-	-	
15	Total Agricultural Products	-	12,766	-	-	-	-	12,766	0.1	
16	Packing House Products, Edible	-	-	-	-	-	-	-	-	
17	Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	
18	Other Animal Products	-	-	-	-	-	-	-	-	
19	Total Animal Products	-	-	-	-	-	-	-	-	
20	Bituminous Coal	-	-	-	-	-	-	-	-	
21	Coke	43,703	19,980	-	-	-	23,526	87,209	0.6	
22	Iron Ore	1,833,272	940,130	-	-	-	-	2,773,402	18.8	
23	Aluminum Ore and Concentrates	27,890	10,885	-	-	6,640	104,324	149,739	1.0	
24	Clay and Bentonite	-	-	-	-	-	32,002	32,002	0.2	
25	Gravel and Sand	-	-	-	-	-	-	-	-	
26	Stone	76,291	216,060	-	-	3,599	20,623	316,573	2.1	
27	Salt	242,104	606,076	-	-	355,358	195,639	1,399,177	9.5	
28	Potash	-	-	-	-	-	-	-	-	
29	Gypsum	450,059	15,634	-	-	34,812	-	500,505	3.4	
30	Asphalt	22,233	43,711	-	-	-	-	65,944	0.4	
31	Other Mine Products	-	10,878	19,100	-	8,576	63,870	102,424	0.7	
32	Total Mine Products	2,695,552	1,863,354	19,100	-	408,985	439,984	5,426,975	36.7	
33	Lumber	-	-	-	-	-	-	-	-	
34	Other Forest Products	-	-	-	-	2,003	235	2,238	0.0	
35	Total Forest Products	-	-	-	-	2,003	235	2,238	0.0	
36	Gasoline	553,355	-	47,477	-	101,751	-	702,583	4.8	
37	Fuel Oil	937,614	46,608	64,380	-	68,933	-	1,117,535	7.6	
38	Other Petroleum Products (1)	53,915	-	44,552	-	58,023	-	156,490	1.1	
39	Chemicals	800	-	80,483	-	505,970	21,642	608,895	4.1	
40	Sodium Products	-	-	-	-	2,809	-	2,809	0.0	
41	Tar, Pitch and Creosote	-	-	11,719	-	42,241	-	53,960	0.4	
42	Pig Iron	-	13,790	-	-	-	198,061	211,851	1.4	
43	Iron and Steel	8,537	-	2,908	-	1,158,865	1,050,820	2,221,130	15.0	
44	Steel Slabs	7,446	-	-	-	539,668	210,693	757,807	5.1	
45	Machinery and Machines	-	868	1,029	-	7,592	19,888	29,377	0.2	
46	Cement	228,924	801,135	-	-	21,150	32,052	1,083,261	7.3	
47	Cement Clinkers	26,273	657,278	-	-	66,160	38,820	788,531	5.3	
48	Woodpulp	-	-	-	-	-	9,000	9,000	0.1	
49	Newsprint and Paper Products	-	13	-	-	310	67	390	0.0	
50	Syrup and Molasses	-	-	-	-	-	-	-	-	
51	Sugar	157,853	-	-	-	427,121	37,820	622,794	4.2	
52	Food Products	-	-	-	-	-	33	33	0.0	
53	Furnace Slags	-	174,973	-	14,424	-	50,012	239,409	1.6	
54	Scrap Iron and Steel	-	27,661	-	-	-	-	27,661	0.2	
55	Other Manufactures and Misc. (2)	97,352	183,373	126,071	240	249,079	52,685	708,800	4.8	
56	Total Manufactures and Misc.	2,072,069	1,905,699	378,619	14,664	3,249,672	1,721,593	9,342,316	63.2	
57	GRAND TOTAL	4,767,621	3,781,819	397,719	14,664	3,660,660	2,161,812	14,784,295	100.0	

(1) With the 2018 Traffic Report, all biofuels products were removed from the Other Petroleum Products category and moved into the Other Manufactured and Misc. category.

(2) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2018**

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	
from:	to:	Canada	United States	Foreign	Canada	United States	Foreign					
		4,187,586	-	1,190,810	36,384	-	750,160	6,164,940	23.5	6,177,706	15.1	1
		35,073	-	1,319,139	13,039	-	391,282	1,758,533	6.7	1,758,533	4.3	2
		-	-	-	-	-	-	-	-	-	-	3
		-	-	28,440	-	-	-	28,440	0.1	28,440	0.1	4
		-	-	-	-	-	-	-	-	-	-	5
		432,440	-	222,634	27,291	-	16,416	698,781	2.7	698,781	1.7	6
		26,897	-	19,055	-	-	-	45,952	0.2	45,952	0.1	7
		-	-	-	-	-	-	-	-	-	-	8
		1,455,232	-	562,508	477,771	-	602,515	3,098,026	11.8	3,098,026	7.6	9
		35,457	-	186,818	-	-	-	222,275	0.8	222,275	0.5	10
		-	-	65,889	-	-	-	65,889	0.3	65,889	0.2	11
		-	-	48,565	-	-	-	48,565	0.2	48,565	0.1	12
		-	-	-	-	-	-	-	-	-	-	13
		-	-	21,303	-	-	131,904	153,207	0.6	153,207	0.4	14
		6,172,685	-	3,665,161	554,485	-	1,892,277	12,284,608	46.8	12,297,374	30.0	15
		-	-	-	-	-	-	-	-	-	-	16
		-	-	-	-	-	-	-	-	-	-	17
		-	4,872	-	-	-	-	4,872	0.0	4,872	0.0	18
		-	4,872	-	-	-	-	4,872	0.0	4,872	0.0	19
		-	-	-	2,544,993	-	-	2,544,993	9.7	2,544,993	6.2	20
		504,552	-	89,855	634,366	-	23,445	1,252,218	4.8	1,339,427	3.3	21
		49,256	-	-	4,641,266	-	-	4,690,522	17.9	7,463,924	18.2	22
		-	-	-	-	-	-	-	-	149,739	0.4	23
		-	-	-	-	-	41,876	41,876	0.2	73,878	0.2	24
		-	-	-	130,053	-	-	130,053	0.5	130,053	0.3	25
		228,324	-	-	-	-	-	228,324	0.9	544,897	1.3	26
		1,660,027	53,209	-	367,066	-	-	2,080,302	7.9	3,479,479	8.5	27
		63,593	24,705	221,819	-	-	-	310,117	1.2	310,117	0.8	28
		-	-	-	-	-	-	-	-	500,505	1.2	29
		139,000	-	-	161,368	13,019	-	313,387	1.2	379,331	0.9	30
		-	-	-	-	-	-	-	-	102,424	0.2	31
		2,644,752	77,914	311,674	8,479,112	13,019	65,321	11,591,792	44.2	17,018,767	41.5	32
		-	-	-	-	-	-	-	-	-	-	33
		-	-	-	-	-	-	-	-	2,238	0.0	34
		-	-	-	-	-	-	-	-	2,238	0.0	35
		67,623	7,981	2,364	7,430	-	-	85,398	0.3	787,981	1.9	36
		967,572	27,713	80,904	26,923	-	-	1,103,112	4.2	2,220,647	5.4	37
		-	-	45,730	-	-	-	45,730	0.2	202,220	0.5	38
		64,189	76,332	8,170	81,624	-	-	230,315	0.9	839,210	2.0	39
		-	-	-	-	-	-	-	-	2,809	0.0	40
		-	-	60,650	7,810	-	-	68,460	0.3	122,420	0.3	41
		-	-	-	-	-	-	-	-	211,851	0.5	42
		235	-	2,634	-	-	1,196	4,065	0.0	2,225,195	5.4	43
		-	-	-	-	-	-	-	-	757,807	1.8	44
		68	232	290	-	-	1,043	1,633	0.0	31,010	0.1	45
		14,472	-	-	-	-	-	14,472	0.1	1,097,733	2.7	46
		-	-	-	-	-	-	-	-	788,531	1.9	47
		-	-	-	-	-	-	-	-	9,000	0.0	48
		-	-	-	-	-	-	-	-	390	0.0	49
		-	-	-	-	-	-	-	-	-	-	50
		-	-	7	-	-	-	7	0.0	622,794	1.5	51
		-	-	-	-	-	-	-	-	40	0.0	52
		372,158	-	-	160,362	-	-	532,520	2.0	771,929	1.9	53
		-	-	53,789	-	-	-	53,789	0.2	81,450	0.2	54
		129,707	-	6,891	68,335	-	1,055	205,988	0.8	914,788	2.2	55
		1,616,024	112,258	261,429	352,484	-	3,294	2,345,489	8.9	11,687,805	28.5	56
		10,433,461	195,044	4,238,264	9,386,081	13,019	1,960,892	26,226,761	100.0	41,011,056	100.0	57

**TRAFFIC BY MAJOR 25 CANADIAN PORTS
2018**

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	602	5,271,502	1,964,133	389,306	-	-	420,653	439,679	8,485,273	16.3
Quebec City	176	2,777,345	60,712	1,550,957	-	-	-	-	4,389,014	8.4
Toronto	80	1,424,881	-	-	-	-	71,200	-	1,496,081	2.9
Sorel/Tracy	114	581,110	-	911,794	-	-	-	-	1,492,904	2.9
Baie Comeau	54	-	-	1,485,932	-	-	-	-	1,485,932	2.9
Port Cartier	74	178,700	-	1,305,578	-	-	-	-	1,484,278	2.9
Montreal	87	629,843	-	629,870	-	-	-	-	1,259,713	2.4
Cote-Ste-Catherine	102	841,699	98,602	-	-	1,785	9,792	-	951,878	1.8
Clarkson/Mississauga	71	739,341	108,071	-	-	-	-	-	847,412	1.6
Oakville	83	774,359	-	-	-	-	-	-	774,359	1.5
Sarnia	66	678,590	-	-	-	-	-	-	678,590	1.3
Bowmanville	21	411,538	139,902	-	-	-	-	-	551,440	1.1
Oshawa	80	265,312	-	-	-	249	282,478	-	548,039	1.1
Johnstown	29	535,226	-	-	-	-	5,707	-	540,933	1.0
Valleyfield	137	348,346	-	-	-	6,521	37,232	-	392,099	0.8
Sault Ste. Marie	26	43,703	-	-	-	-	204,170	99,989	347,862	0.7
Sydney	13	302,464	-	-	-	-	-	-	302,464	0.6
Pictou	11	240,296	59,082	-	-	-	-	-	299,378	0.6
Becancour	10	78,685	-	187,682	-	-	-	-	266,367	0.5
Nanticoke	27	242,368	-	-	-	-	91	-	242,459	0.5
Trois Rivières	18	37,772	55,690	148,644	-	-	-	-	242,106	0.5
Thorold	16	222,425	-	-	-	-	-	-	222,425	0.4
Bath	8	146,641	-	-	-	-	-	-	146,641	0.3
Windsor	30	38,138	-	-	-	-	102,320	-	140,458	0.3
Sept Iles	7	125,187	-	-	-	-	-	-	125,187	0.2
Other Canada	220	665,172	58,801	117,407	-	45,662	45,208	-	932,250	1.8
Total Inbound	2,162	17,600,643	2,544,993	6,727,170	-	54,217	1,178,851	539,668	28,645,542	55.0
OUTBOUND:										
Thunder Bay	333	737,733	-	5,909,478	-	44	2,329	-	6,649,584	12.8
Hamilton	175	375,528	-	2,596,499	-	-	86	-	2,972,113	5.7
Port Cartier	72	2,074,246	-	-	-	-	-	-	2,074,246	4.0
Montreal	160	1,445,159	-	-	-	-	-	-	1,445,159	2.8
Windsor	83	1,053,478	-	369,469	-	-	2,098	-	1,425,045	2.7
Bowmanville	97	1,153,350	-	-	-	-	-	-	1,153,350	2.2
Quebec City	60	1,142,979	-	-	-	-	-	-	1,142,979	2.2
Nanticoke	90	1,012,669	-	-	-	-	-	-	1,012,669	1.9
Sarnia	78	441,458	-	534,479	-	-	-	-	975,937	1.9
Goderich	55	693,728	-	173,292	-	-	-	-	867,020	1.7
Halifax	12	320,815	-	-	-	-	-	-	320,815	0.6
Johnstown	20	-	-	252,273	-	-	-	-	252,273	0.5
Port Daniel	30	252,217	-	-	-	-	-	-	252,217	0.5
Bath	46	247,563	-	-	-	-	-	-	247,563	0.5
Becancour	13	245,207	-	-	-	-	-	-	245,207	0.5
Trois Rivières	9	243,651	-	-	-	-	-	-	243,651	0.5
Ramey's Bend	15	216,060	-	11,947	-	7	2,000	-	230,014	0.4
Sault Ste. Marie	12	202,448	-	-	-	-	-	-	202,448	0.4
Valleyfield	71	155,036	-	-	-	31,877	1,191	-	188,104	0.4
Sept Iles	39	187,237	-	-	-	-	-	-	187,237	0.4
Sorel/Tracy	19	172,442	-	-	-	-	-	-	172,442	0.3
Bruce Mines	10	156,646	-	-	-	-	-	-	156,646	0.3
Stephenville	8	144,878	-	-	-	-	-	-	144,878	0.3
Cote-Ste-Catherine	56	89,926	-	-	-	14,210	-	-	104,136	0.2
Clarkson/Mississauga	15	99,506	-	-	-	-	-	-	99,506	0.2
Other Canada	136	640,457	-	3,175	-	6,070	1,268	-	650,970	1.3
Total Outbound	1,714	13,504,417	-	9,850,612	-	52,208	8,972	-	23,416,209	45.0

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

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

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

**TRAFFIC BY MAJOR 25 UNITED STATES PORTS
2018**

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:										
Detroit	168	1,074,655	-	-	-	-	219,175	-	1,293,830	7.2
Burns Harbour	136	761,296	-	-	-	58	228,228	187,708	1,177,290	6.6
Cleveland	352	838,315	-	-	-	6,220	317,672	-	1,162,207	6.5
Toledo	74	779,003	-	-	-	-	6,005	-	785,008	4.4
Ashtabula	24	309,286	-	-	-	-	-	-	309,286	1.7
Chicago	126	130,083	-	-	-	-	142,073	22,985	295,141	1.6
Milwaukee	73	88,008	-	-	-	-	156,256	-	244,264	1.4
Indiana Harbour	8	191,339	-	-	-	-	-	-	191,339	1.1
Duluth	12	90,976	-	-	-	638	4,684	-	96,298	0.5
Buffalo	18	76,288	-	12,766	-	-	-	-	89,054	0.5
Oswego	18	85,849	-	-	-	-	-	-	85,849	0.5
Gary	4	78,072	-	-	-	-	-	-	78,072	0.4
Ogdensburg	9	54,870	-	-	-	20	1,415	-	56,305	0.3
Erie	5	41,800	-	-	-	7	6,101	-	47,908	0.3
Green Bay	3	33,040	-	-	-	-	-	-	33,040	0.2
Tampa	3	32,728	-	-	-	-	-	-	32,728	0.2
Conneaut	1	27,764	-	-	-	-	-	-	27,764	0.2
Geismar	2	25,865	-	-	-	-	-	-	25,865	0.1
Houston	3	20,911	-	-	-	-	-	-	20,911	0.1
Trenton	2	18,500	-	-	-	-	-	-	18,500	0.1
Muskegon	1	17,070	-	-	-	-	-	-	17,070	0.1
Charlevoix	1	15,634	-	-	-	-	-	-	15,634	0.1
Marinette	2	13,790	-	-	-	-	-	-	13,790	0.1
New York	2	10,477	-	-	-	-	-	-	10,477	0.1
Port Reading	1	7,981	-	-	-	-	-	-	7,981	0.0
Other U.S. Ports	10	30,011	-	-	-	-	736	-	30,747	0.2
Total Inbound	1,058	4,853,611	-	12,766	-	6,943	1,082,345	210,693	6,166,358	34.4
OUTBOUND:										
Toledo	110	206,982	1,034,001	1,157,349	-	-	-	-	2,398,332	13.4
Two Harbours	83	2,232,285	-	53,641	-	-	-	-	2,285,926	12.7
Superior	65	1,618,676	-	20,976	-	-	-	-	1,639,652	9.1
Duluth	84	715,617	-	868,079	-	-	19	-	1,583,715	8.8
Sandusky	60	28,532	1,510,992	-	-	-	-	-	1,539,524	8.6
Silver Bay	10	276,839	-	-	-	-	-	-	276,839	1.5
Detroit	35	261,118	-	-	-	-	-	-	261,118	1.5
Milwaukee	20	27,332	-	214,785	-	68	978	-	243,163	1.4
Cleveland	24	237,192	-	-	-	900	1,289	-	239,381	1.3
Chicago	9	94,042	-	83,168	-	-	-	-	177,210	1.0
Fairport Harbour	8	148,963	-	-	-	-	-	-	148,963	0.8
Tampa	9	127,767	-	-	-	-	-	-	127,767	0.7
Brevort	5	110,964	-	-	-	-	-	-	110,964	0.6
Gary	4	108,622	-	-	-	-	-	-	108,622	0.6
Ludington	11	81,624	-	-	-	-	-	-	81,624	0.5
Indiana Harbour	7	66,362	-	-	-	-	-	-	66,362	0.4
Green Bay	8	56,243	-	-	-	-	-	-	56,243	0.3
Lorain	2	50,860	-	-	-	-	-	-	50,860	0.3
Burns Harbour	2	27,893	-	20,280	-	-	-	-	48,173	0.3
Carteret	4	43,505	-	-	-	-	-	-	43,505	0.2
Donaldsonville	3	42,407	-	-	-	-	-	-	42,407	0.2
Houston	4	35,046	-	-	-	-	-	-	35,046	0.2
Baltimore	3	33,056	-	-	-	-	-	-	33,056	0.2
New Orleans	5	27,661	-	-	-	-	3,937	-	31,598	0.2
Oswego	3	-	-	28,484	-	-	40	-	28,524	0.2
Other U.S. Ports	12	113,801	-	-	-	-	-	-	113,801	0.6
Total Outbound	590	6,773,389	2,544,993	2,446,762	-	968	6,263	-	11,772,375	65.6

(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
1999 - 2018**

TABLE C6

ST. LAWRENCE SEAWAY

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
1999	2,342	2,314	4,656	23,244,713	24,614,650	47,859,363	24,341,426	24,040,344	48,381,770
2000	2,106	2,079	4,185	22,612,033	23,961,411	46,573,444	23,309,675	22,954,852	46,264,527
2001	2,057	2,028	4,085	19,234,141	22,471,184	41,705,325	21,927,563	21,626,296	43,553,859
2002	1,949	1,942	3,891	20,374,620	21,013,630	41,388,250	21,504,691	21,304,198	42,808,889
2003	1,948	1,938	3,886	19,829,065	21,018,744	40,847,809	20,609,519	20,372,407	40,981,926
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
TOTAL	41,683	40,540	82,223	332,192,300	475,279,545	807,471,845	453,051,064	448,750,121	901,801,185

**CARGO BY TARIFF CLASSIFICATION
1999 - 2018**

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
1999	24,563,155	51.3	4 541 600	9.5	14,084,611	29.4	80,692	0.2	11,573	0.0	4,165,674	8.7	412 058	0.9	47,859,363
2000	23,933,895	51.4	4 345 503	9.3	13,199,859	28.3	9,655	0.0	19,521	0.0	4,703,411	10.1	361 600	0.8	46,573,444
2001	22,087,887	53.0	4 803 620	11.5	11,792,163	28.3	-	-	16,471	0.0	2,621,102	6.3	384 082	0.9	41,705,325
2002	22,615,138	54.6	4,114,092	9.9	10,461,094	25.3	25,834	0.1	14,721	0.0	3,019,259	7.3	1,138,112	2.7	41,388,250
2003	24,436,923	59.8	4,196,191	10.3	9,645,630	23.6	7,826	0.0	15,208	0.0	2,118,663	5.2	427,368	1.0	40,847,809
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
TOTAL	469,295,732	58.1	73,518,594	9.1	207,505,938	25.7	135,071	0.0	665,306	0.1	48,654,707	6.0	7,696,497	1.0	807,471,845

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

PART III

ST. LAWRENCE SEAWAY

TOLL TRAFFIC

FOR THE

MONTREAL - LAKE ONTARIO SECTION

**TRAFFIC BY CLASS AND TYPE OF VESSEL
2018**

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	356	29	385	6,647,190	2,286,846	-	-	-	10,096	2,260,964	750,361	5,308,267	16.8
	Barge	1	-	1	6,220	11,719	-	-	-	-	-	-	11,719	0.0
	Tanker	141	29	170	1,875,603	1,480,509	-	-	-	-	-	-	1,480,509	4.7
	Total Ocean	498	58	556	8,529,013	3,779,074	-	-	-	10,096	2,260,964	750,361	6,800,495	21.6
Laker:	Cargo	226	258	484	9,191,520	4,798,355	-	-	-	6,070	-	-	4,804,425	15.2
	Barge	50	57	107	503,932	253,956	-	-	-	-	-	-	253,956	0.8
	Tanker	104	31	135	1,485,914	1,065,388	-	-	-	-	-	-	1,065,388	3.4
	Total Laker	380	346	726	11,181,366	6,117,699	-	-	-	6,070	-	-	6,123,769	19.4
Non-Cargo		-	246	246	84,256	-	-	-	-	-	-	-	-	-
Passenger		30	3	33	61,774	-	-	-	-	-	-	-	-	-
	Total Upbound	908	653	1,561	19,856,409	9,896,773	-	-	-	16,166	2,260,964	750,361	12,924,264	41.0
DOWNBOUND:														
Ocean:	Cargo	339	44	383	6,621,659	448,648	-	5,557,438	-	2,112	11,066	-	6,019,264	19.1
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	75	93	168	1,869,468	699,490	-	-	-	-	-	-	699,490	2.2
	Total Ocean	414	137	551	8,491,127	1,148,138	-	5,557,438	-	2,112	11,066	-	6,718,754	21.3
Laker:	Cargo	451	37	488	9,236,201	4,178,007	273,805	6,262,267	-	44,994	-	-	10,759,073	34.1
	Barge	73	32	105	504,141	501,011	-	75,597	-	-	232	-	576,840	1.8
	Tanker	50	84	134	1,472,562	528,503	-	-	-	-	-	-	528,503	1.7
	Total Laker	574	153	727	11,212,904	5,207,521	273,805	6,337,864	-	44,994	232	-	11,864,416	37.7
Non-Cargo		-	246	246	94,073	-	-	-	-	-	-	-	-	-
Passenger		31	2	33	61,774	-	-	-	-	-	-	-	-	-
	Total Downbound	1,019	538	1,557	19,859,878	6,355,659	273,805	11,895,302	-	47,106	11,298	-	18,583,170	59.0
TOTALS:														
Ocean:	Cargo	695	73	768	13,268,849	2,735,494	-	5,557,438	-	12,208	2,272,030	750,361	11,327,531	36.0
	Barge	1	-	1	6,220	11,719	-	-	-	-	-	-	11,719	0.0
	Tanker	216	122	338	3,745,071	2,179,999	-	-	-	-	-	-	2,179,999	6.9
	Total Ocean	912	195	1,107	17,020,140	4,927,212	-	5,557,438	-	12,208	2,272,030	750,361	13,519,249	42.9
Laker:	Cargo	677	295	972	18,427,721	8,976,362	273,805	6,262,267	-	51,064	-	-	15,563,498	49.4
	Barge	123	89	212	1,008,073	754,967	-	75,597	-	-	232	-	830,796	2.6
	Tanker	154	115	269	2,958,476	1,593,891	-	-	-	-	-	-	1,593,891	5.1
	Total Laker	954	499	1,453	22,394,270	11,325,220	273,805	6,337,864	-	51,064	232	-	17,988,185	57.1
Non-Cargo		-	492	492	178,329	-	-	-	-	-	-	-	-	-
Passenger		61	5	66	123,548	-	-	-	-	-	-	-	-	-
	GRAND TOTAL	1,927	1,191	3,118	39,716,287	16,252,432	273,805	11,895,302	-	63,272	2,272,262	750,361	31,507,434	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 BY CLASSIFICATION AND TYPE OF CARGO
2018**

TABLE M2

MONTREAL-LAKE ONTARIO SECTION

COMMODITY	CARGO TONNES								% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	
Wheat	-	-	6,006,211	-	-	-	-	6,006,211	19.1
Corn	-	-	1,758,533	-	-	-	-	1,758,533	5.6
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	28,440	-	-	-	-	28,440	0.1
Barley	-	-	-	-	-	-	-	-	-
Canola (Rapeseed)	-	-	543,379	-	-	-	-	543,379	1.7
Canola Meal, Pellets	-	-	45,952	-	-	-	-	45,952	0.1
Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-	-
Soybeans	-	-	3,022,851	-	-	-	-	3,022,851	9.6
Soybean Oil Cake, Meal, Pellets	-	-	222,275	-	-	-	-	222,275	0.7
Beans and Peas	-	-	65,889	-	-	-	-	65,889	0.2
Flaxseed	-	-	48,565	-	-	-	-	48,565	0.2
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	153,207	-	-	-	-	153,207	0.5
Total Agricultural Products	-	-	11,895,302	-	-	-	-	11,895,302	37.8
Packing House Products, Edible	-	-	-	-	-	-	-	-	-
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	4,872	-	-	-	-	-	-	4,872	0.0
Total Animal Products	4,872	-	-	-	-	-	-	4,872	0.0
Bituminous Coal	-	273,805	-	-	-	-	-	273,805	0.9
Coke	927,848	-	-	-	-	-	-	927,848	2.9
Iron Ore	5,536,274	-	-	-	-	-	-	5,536,274	17.6
Aluminum Ore and Concentrates	149,739	-	-	-	-	-	-	149,739	0.5
Clay and Bentonite	73,878	-	-	-	-	-	-	73,878	0.2
Gravel and Sand	-	-	-	-	-	-	-	-	-
Stone	98,365	-	-	-	-	2,148	-	100,513	0.3
Salt	1,751,786	-	-	-	-	-	-	1,751,786	5.6
Potash	253,502	-	-	-	-	-	-	253,502	0.8
Gypsum	500,505	-	-	-	-	-	-	500,505	1.6
Asphalt	292,719	-	-	-	-	-	-	292,719	0.9
Other Mine Products	102,415	-	-	-	9	-	-	102,424	0.3
Total Mine Products	9,687,031	273,805	-	-	9	2,148	-	9,962,993	31.6
Lumber	-	-	-	-	-	-	-	-	-
Other Forest Products	2,003	-	-	-	235	-	-	2,238	0.0
Total Forest Products	2,003	-	-	-	235	-	-	2,238	0.0
Gasoline	748,794	-	-	-	-	-	-	748,794	2.4
Fuel Oil	2,205,850	-	-	-	-	-	-	2,205,850	7.0
Other Petroleum Products (2)	191,126	-	-	-	-	-	-	191,126	0.6
Chemicals	780,871	-	-	-	5,396	-	-	786,267	2.5
Sodium Products	2,809	-	-	-	-	-	-	2,809	0.0
Tar, Pitch and Creosote	122,420	-	-	-	-	-	-	122,420	0.4
Pig Iron	211,851	-	-	-	-	-	-	211,851	0.7
Iron and Steel	8,772	-	-	-	412	2,216,011	-	2,225,195	7.1
Steel Slabs	7,446	-	-	-	-	-	750,361	757,807	2.4
Machinery and Machines	393	-	-	-	1,278	28,796	-	30,467	0.1
Cement	293,618	-	-	-	-	-	-	293,618	0.9
Cement Clinkers	131,253	-	-	-	-	-	-	131,253	0.4
Woodpulp	9,000	-	-	-	-	-	-	9,000	0.0
Newsprint and Paper Products	13	-	-	-	377	-	-	390	0.0
Syrup and Molasses	-	-	-	-	-	-	-	-	-
Sugar	622,794	-	-	-	-	-	-	622,794	2.0
Food Products	-	-	-	-	40	-	-	40	0.0
Furnace Slags	333,771	-	-	-	-	-	-	333,771	1.1
Scrap Iron and Steel	53,789	-	-	-	-	-	-	53,789	0.2
Other Manufactures and Misc. (3)	833,956	-	-	-	55,525	25,307	-	914,788	2.9
Total Manufactures and Misc.	6,558,526	-	-	-	63,028	2,270,114	750,361	9,642,029	30.6
GRAND TOTAL	16,252,432	273,805	11,895,302	-	63,272	2,272,262	750,361	31,507,434	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) With the 2018 Traffic Report, all biofuels products were removed from the Other Petroleum Products category and moved into the Other Manufactured and Misc. category.

(3) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2018**

TABLE M3 - Part A

MONTREAL-LAKE ONTARIO SECTION

NO.	COMMODITY	from: to:		UPBOUND TONNES				TOTAL UPBOUND	% OF TOTAL UP- BOUND		
				CANADA		UNITED STATES				FOREIGN	
				Canada	United States	Canada	United States			Canada	United States
1	Wheat	-	-	-	-	-	-	-	-		
2	Corn	-	-	-	-	-	-	-	-		
3	Rye	-	-	-	-	-	-	-	-		
4	Oats	-	-	-	-	-	-	-	-		
5	Barley	-	-	-	-	-	-	-	-		
6	Canola (Rapeseed)	-	-	-	-	-	-	-	-		
7	Canola Meal, Pellets	-	-	-	-	-	-	-	-		
8	Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-		
9	Soybeans	-	-	-	-	-	-	-	-		
10	Soybean Oil Cake, Meal, Pellets	-	-	-	-	-	-	-	-		
11	Beans and Peas	-	-	-	-	-	-	-	-		
12	Flaxseed	-	-	-	-	-	-	-	-		
13	Sunflower Seeds	-	-	-	-	-	-	-	-		
14	Other Agricultural Products	-	-	-	-	-	-	-	-		
15	Total Agricultural Products	-	-	-	-	-	-	-	-		
16	Packing House Products, Edible	-	-	-	-	-	-	-	-		
17	Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-		
18	Other Animal Products	-	-	-	-	-	-	-	-		
19	Total Animal Products	-	-	-	-	-	-	-	-		
20	Bituminous Coal	-	-	-	-	-	-	-	-		
21	Coke	-	-	-	-	-	23,526	23,526	0.2		
22	Iron Ore	1,833,272	940,130	-	-	-	-	2,773,402	21.5		
23	Aluminum Ore and Concentrates	27,890	10,885	-	-	6,640	104,324	149,739	1.2		
24	Clay and Bentonite	-	-	-	-	-	32,002	32,002	0.2		
25	Gravel and Sand	-	-	-	-	-	-	-	-		
26	Stone	76,291	-	-	-	3,599	20,623	100,513	0.8		
27	Salt	242,104	606,076	-	-	355,358	195,639	1,399,177	10.8		
28	Potash	-	-	-	-	-	-	-	-		
29	Gypsum	450,059	15,634	-	-	34,812	-	500,505	3.9		
30	Asphalt	22,233	43,711	-	-	-	-	65,944	0.5		
31	Other Mine Products	-	10,878	19,100	-	8,576	63,870	102,424	0.8		
32	Total Mine Products	2,651,849	1,627,314	19,100	-	408,985	439,984	5,147,232	39.8		
33	Lumber	-	-	-	-	-	-	-	-		
34	Other Forest Products	-	-	-	-	2,003	235	2,238	0.0		
35	Total Forest Products	-	-	-	-	2,003	235	2,238	0.0		
36	Gasoline	553,355	-	47,477	-	101,751	-	702,583	5.4		
37	Fuel Oil	937,614	46,608	64,380	-	68,933	-	1,117,535	8.6		
38	Other Petroleum Products (1)	42,821	-	44,552	-	58,023	-	145,396	1.1		
39	Chemicals	800	-	80,483	-	505,970	21,642	608,895	4.7		
40	Sodium Products	-	-	-	-	2,809	-	2,809	0.0		
41	Tar, Pitch and Creosote	-	-	11,719	-	42,241	-	53,960	0.4		
42	Pig Iron	-	13,790	-	-	-	198,061	211,851	1.6		
43	Iron and Steel	8,537	-	2,908	-	1,158,865	1,050,820	2,221,130	17.2		
44	Steel Slabs	7,446	-	-	-	539,668	210,693	757,807	5.9		
45	Machinery and Machines	-	393	1,029	-	7,592	19,888	28,902	0.2		
46	Cement	225,944	-	-	-	21,150	32,052	279,146	2.2		
47	Cement Clinkers	26,273	-	-	-	66,160	38,820	131,253	1.0		
48	Woodpulp	-	-	-	-	-	9,000	9,000	0.1		
49	Newsprint and Paper Products	-	13	-	-	310	67	390	0.0		
50	Syrup and Molasses	-	-	-	-	-	-	-	-		
51	Sugar	157,853	-	-	-	427,121	37,820	622,794	4.8		
52	Food Products	-	-	-	-	-	33	33	0.0		
53	Furnace Slags	-	108,074	-	14,424	-	50,012	172,510	1.3		
54	Scrap Iron and Steel	-	-	-	-	-	-	-	-		
55	Other Manufactures and Misc. (2)	97,352	183,373	126,071	240	249,079	52,685	708,800	5.5		
56	Total Manufactures and Misc.	2,057,995	352,251	378,619	14,664	3,249,672	1,721,593	7,774,794	60.2		
57	GRAND TOTAL	4,709,844	1,979,565	397,719	14,664	3,660,660	2,161,812	12,924,264	100.0		

(1) With the 2018 Traffic Report, all biofuels products were removed from the Other Petroleum Products category and moved into the Other Manufactured and Misc. category.

(2) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2018**

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					
4,028,857	-	1,190,810	36,384	-	750,160	6,006,211	32.3	6,006,211	19.1	1
35,073	-	1,319,139	13,039	-	391,282	1,758,533	9.5	1,758,533	5.6	2
-	-	-	-	-	-	-	-	-	-	3
-	-	28,440	-	-	-	28,440	0.2	28,440	0.1	4
-	-	-	-	-	-	-	-	-	-	5
277,038	-	222,634	27,291	-	16,416	543,379	2.9	543,379	1.7	6
26,897	-	19,055	-	-	-	45,952	0.2	45,952	0.1	7
-	-	-	-	-	-	-	-	-	-	8
1,455,232	-	562,508	402,596	-	602,515	3,022,851	16.3	3,022,851	9.6	9
35,457	-	186,818	-	-	-	222,275	1.2	222,275	0.7	10
-	-	65,889	-	-	-	65,889	0.4	65,889	0.2	11
-	-	48,565	-	-	-	48,565	0.3	48,565	0.2	12
-	-	-	-	-	-	-	-	-	-	13
-	-	21,303	-	-	131,904	153,207	0.8	153,207	0.5	14
5,858,554	-	3,665,161	479,310	-	1,892,277	11,895,302	64.0	11,895,302	37.8	15
-	-	-	-	-	-	-	-	-	-	16
-	-	-	-	-	-	-	-	-	-	17
-	4,872	-	-	-	-	4,872	0.0	4,872	0.0	18
-	4,872	-	-	-	-	4,872	0.0	4,872	0.0	19
-	-	-	273,805	-	-	273,805	1.5	273,805	0.9	20
379,709	-	89,855	411,313	-	23,445	904,322	4.9	927,848	2.9	21
27,734	-	-	2,735,138	-	-	2,762,872	14.9	5,536,274	17.6	22
-	-	-	-	-	-	-	-	149,739	0.5	23
-	-	-	-	-	41,876	41,876	0.2	73,878	0.2	24
-	-	-	-	-	-	-	-	-	-	25
-	-	-	-	-	-	-	-	100,513	0.3	26
352,609	-	-	-	-	-	352,609	1.9	1,751,786	5.6	27
20,608	11,075	221,819	-	-	-	253,502	1.4	253,502	0.8	28
-	-	-	-	-	-	-	-	500,505	1.6	29
105,805	-	-	120,970	-	-	226,775	1.2	292,719	0.9	30
-	-	-	-	-	-	-	-	102,424	0.3	31
886,465	11,075	311,674	3,541,226	-	65,321	4,815,761	25.9	9,962,993	31.6	32
-	-	-	-	-	-	-	-	-	-	33
-	-	-	-	-	-	-	-	2,238	0.0	34
-	-	-	-	-	-	-	-	2,238	0.0	35
28,436	7,981	2,364	7,430	-	-	46,211	0.2	748,794	2.4	36
958,288	27,713	80,904	21,410	-	-	1,088,315	5.9	2,205,850	7.0	37
-	-	45,730	-	-	-	45,730	0.2	191,126	0.6	38
47,397	76,332	8,170	45,473	-	-	177,372	1.0	786,267	2.5	39
-	-	-	-	-	-	-	-	2,809	0.0	40
-	-	60,650	7,810	-	-	68,460	0.4	122,420	0.4	41
-	-	-	-	-	-	-	-	211,851	0.7	42
235	-	2,634	-	-	1,196	4,065	0.0	2,225,195	7.1	43
-	-	-	-	-	-	-	-	757,807	2.4	44
-	232	290	-	-	1,043	1,565	0.0	30,467	0.1	45
14,472	-	-	-	-	-	14,472	0.1	293,618	0.9	46
-	-	-	-	-	-	-	-	131,253	0.4	47
-	-	-	-	-	-	-	-	9,000	0.0	48
-	-	-	-	-	-	-	-	390	0.0	49
-	-	-	-	-	-	-	-	-	-	50
-	-	7	-	-	-	7	0.0	622,794	2.0	51
-	-	-	-	-	-	-	-	40	0.0	52
161,261	-	-	-	-	-	161,261	0.9	333,771	1.1	53
-	-	53,789	-	-	-	53,789	0.3	53,789	0.2	54
129,707	-	6,891	68,335	-	1,055	205,988	1.1	914,788	2.9	55
1,339,796	112,258	261,429	150,458	-	3,294	1,867,235	10.0	9,642,029	30.6	56
8,084,815	128,205	4,238,264	4,170,994	-	1,960,892	18,583,170	100.0	31,507,434	100.0	57

**TRAFFIC BY MONTH AND TYPE OF CARGO
2018**

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	7	6	13	176,152	109,399	-	-	-	-	-	-	109,399	0.3
April	91	67	158	1,984,021	871,586	-	-	-	1,452	237,481	165,103	1,275,622	4.0
May	101	73	174	2,214,209	1,038,900	-	-	-	801	249,322	59,698	1,348,721	4.3
June	95	81	176	2,113,453	1,023,385	-	-	-	1,506	243,776	83,530	1,352,197	4.3
July	100	74	174	2,175,830	1,058,214	-	-	-	550	217,039	118,458	1,394,261	4.4
August	108	74	182	2,185,997	1,009,426	-	-	-	4,115	297,605	20,852	1,331,998	4.2
September	102	60	162	2,039,831	1,119,014	-	-	-	2,197	294,032	59,488	1,474,731	4.7
October	100	94	194	2,408,538	1,052,347	-	-	-	1,770	263,438	101,716	1,419,271	4.5
November	117	79	196	2,714,793	1,456,881	-	-	-	2,886	287,801	100,828	1,848,396	5.9
December	87	45	132	1,843,585	1,157,621	-	-	-	889	170,470	40,688	1,369,668	4.3
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Upbound	908	653	1,561	19,856,409	9,896,773	-	-	-	16,166	2,260,964	750,361	12,924,264	41.0
DOWNBOUND:													
March	1	2	3	20,939	10,860	-	-	-	-	-	-	10,860	0.0
April	74	53	127	1,539,057	617,872	28,077	848,488	-	96	90	-	1,494,623	4.7
May	114	64	178	2,336,810	784,557	65,672	1,302,523	-	172	-	-	2,152,924	6.8
June	103	61	164	2,104,045	867,157	-	1,030,674	-	5,791	2,508	-	1,906,130	6.0
July	120	70	190	2,337,707	946,345	27,951	1,169,401	-	10,694	1,043	-	2,155,434	6.8
August	108	67	175	2,001,346	804,635	11,130	991,621	-	11,531	2,026	-	1,820,943	5.8
September	117	55	172	2,113,732	782,716	61,317	1,248,738	-	8,808	11	-	2,101,590	6.7
October	127	60	187	2,308,505	540,451	11,819	1,668,882	-	9,566	978	-	2,231,696	7.1
November	131	55	186	2,614,121	523,540	41,592	1,977,126	-	132	452	-	2,542,842	8.1
December	124	51	175	2,483,616	477,526	26,247	1,657,849	-	316	4,190	-	2,166,128	6.9
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Downbound	1,019	538	1,557	19,859,878	6,355,659	273,805	11,895,302	-	47,106	11,298	-	18,583,170	59.0
TOTALS:													
March	8	8	16	197,091	120,259	-	-	-	-	-	-	120,259	0.4
April	165	120	285	3,523,078	1,489,458	28,077	848,488	-	1,548	237,571	165,103	2,770,245	8.8
May	215	137	352	4,551,019	1,823,457	65,672	1,302,523	-	973	249,322	59,698	3,501,645	11.1
June	198	142	340	4,217,498	1,890,542	-	1,030,674	-	7,297	246,284	83,530	3,258,327	10.3
July	220	144	364	4,513,537	2,004,559	27,951	1,169,401	-	11,244	218,082	118,458	3,549,695	11.3
August	216	141	357	4,187,343	1,814,061	11,130	991,621	-	15,646	299,631	20,852	3,152,941	10.0
September	219	115	334	4,153,563	1,901,730	61,317	1,248,738	-	11,005	294,043	59,488	3,576,321	11.4
October	227	154	381	4,717,043	1,592,798	11,819	1,668,882	-	11,336	264,416	101,716	3,650,967	11.6
November	248	134	382	5,328,914	1,980,421	41,592	1,977,126	-	3,018	288,253	100,828	4,391,238	13.9
December	211	96	307	4,327,201	1,635,147	26,247	1,657,849	-	1,205	174,660	40,688	3,535,796	11.2
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	1,927	1,191	3,118	39,716,287	16,252,432	273,805	11,895,302	-	63,272	2,272,262	750,361	31,507,434	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
1999 - 2018

TABLE M5

MONTREAL-LAKE ONTARIO SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
1999	1,590	1,578	3,168	22,569,978	16,675,931	39,245,909	20,612,520	20,629,006	41,241,526
2000	1,485	1,492	2,977	19,594,116	16,817,495	36,411,611	18,687,785	18,663,440	37,351,225
2001	1,293	1,295	2,588	19,168,176	16,238,036	35,406,212	17,887,643	17,888,427	35,776,070
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
TOTAL	27,640	27,722	55,362	291,920,784	321,363,640	613,284,424	333,886,811	333,859,885	667,746,696

**CARGO BY TARIFF CLASSIFICATION
1999 - 2018**

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	%	
1999	17,923,481	49.2	266,364	0.7	13,552,844	37.2	80,692	0.2	11,573	0.0	4,164,599	11.4	412,058	1.1	36,411,611
2000	17,474,021	49.4	334,489	0.9	12,503,515	35.3	9,655	0.0	19,521	0.1	4,703,411	13.3	361,600	1.0	35,406,212
2001	15,687,342	51.8	407,336	1.3	11,161,951	36.9	-	-	16,471	0.1	2,620,642	8.7	384,082	1.3	30,277,824
2002	15,604,029	52.0	336,425	1.1	9,863,912	32.9	25,834	0.1	14,721	0.0	3,019,259	10.1	1,138,112	3.8	30,002,292
2003	16,927,793	58.6	214,728	0.7	9,188,854	31.8	7,826	0.0	15,208	0.1	2,118,663	7.3	427,368	1.5	28,900,440
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
TOTAL	328,232,594	54.6	15,475,903	2.6	200,283,856	33.3	135,071	0.0	665,306	0.1	48,650,553	8.1	7,646,441	1.3	601,089,724

(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
1999 - 2018**

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
1999	19,594,116	1,166	424	1,590	16,817,495	987	591	1,578	36,411,611	2,153	1,015	3,168
2000	19,168,176	1,145	340	1,485	16,238,036	994	498	1,492	35,406,212	2,139	838	2,977
2001	15,583,223	971	322	1,293	14,694,601	896	399	1,295	30,277,824	1,867	721	2,588
2002	16,904,264	1,022	278	1,300	13,098,028	796	516	1,312	30,002,292	1,818	794	2,612
2003	16,436,399	967	324	1,291	12,464,041	768	520	1,288	28,900,440	1,735	844	2,579
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
TOTAL	280,150,465	17,693	9,947	27,640	320,939,259	18,557	9,165	27,722	601,089,724	36,250	19,112	55,362

**COMMODITY GROUPS
1999 - 2018**

TABLE M8

MONTREAL-LAKE ONTARIO SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1999	13,637,630	37.5	35,318	0.1	14,239,776	39.1	1,526	0.0	8,497,361	23.3	36,411,611
2000	12,513,041	35.3	38,240	0.1	13,978,179	39.5	7,477	0.0	8,869,275	25.1	35,406,212
2001	11,170,044	36.9	25,452	0.1	12,104,055	40.0	21,183	0.1	6,957,090	23.0	30,277,824
2002	9,889,299	33.0	31,251	0.1	11,933,604	39.8	98,953	0.3	8,049,185	26.8	30,002,292
2003	9,201,438	31.8	31,849	0.1	12,799,316	44.3	70,476	0.2	6,797,361	23.5	28,900,440
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
TOTAL	200,569,122	33.4	299,850	0.0	250,868,599	41.7	435,575	0.1	148,916,578	24.8	601,089,724

**U.S. GRAINS
1999 - 2018**

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
1999	1,625,184	24.6	2,632,760	39.8	-	-	-	-	42,557	0.6	2,140,080	32.4	-	-	166,725	2.5	6,607,306
2000	2,012,948	35.2	1,548,581	27.1	-	-	-	-	93,785	1.6	1,880,086	32.9	31,084	0.5	152,595	2.7	5,719,079
2001	2,098,403	41.8	1,146,924	22.8	20,959	0.4	-	-	24,960	0.5	1,467,067	29.2	56,728	1.1	205,276	4.1	5,020,317
2002	1,864,851	44.1	717,870	17.0	-	-	-	-	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
TOTAL	27,874,203	44.1	11,753,490	18.6	20,959	0.0	368,141	0.6	293,178	0.5	19,111,996	30.3	519,601	0.8	3,221,438	5.1	63,163,006

**CANADIAN GRAINS
1999 - 2018**

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
1999	4,742,337	68.5	394,025	5.7	8,482	0.1	243,358	3.5	85,495	1.2	384,012	5.5	221,353	3.2	848,876	12.3	6,927,938
2000	4,511,696	66.5	155,668	2.3	11,679	0.2	274,822	4.1	5,749	0.1	304,019	4.5	458,601	6.8	1,062,202	15.7	6,784,436
2001	4,380,974	71.8	54,660	0.9	9,407	0.2	321,964	5.3	32,908	0.5	231,211	3.8	475,014	7.8	599,723	9.8	6,105,861
2002	3,993,735	71.8	97,757	1.8	32,344	0.6	210,181	3.8	115,963	2.1	391,679	7.0	534,353	9.6	182,779	3.3	5,558,791
2003	4,386,858	75.9	5,399	0.1	42,534	0.7	278,592	4.8	46,615	0.8	339,687	5.9	454,788	7.9	228,150	3.9	5,782,623
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
TOTAL	92,021,403	67.3	5,764,750	4.2	257,145	0.2	9,309,527	6.8	330,382	0.2	16,089,400	11.8	5,300,850	3.9	7,629,104	5.6	136,702,561

**SELECTED MINING COMMODITIES
1999 - 2018**

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	%	
1999	266,364	1.9	566,637	4.0	10,686,169	75.0	176,461	1.2	21,010	0.1	313,953	2.2	745,098	5.2	1,464,084	10.3	14,239,776
2000	334,489	2.4	931,110	6.7	10,167,877	72.7	161,835	1.2	4,072	0.0	359,032	2.6	657,137	4.7	1,362,627	9.7	13,978,179
2001	407,336	3.4	753,722	6.2	8,386,036	69.3	84,269	0.7	12,982	0.1	299,277	2.5	891,450	7.4	1,268,983	10.5	12,104,055
2002	336,425	2.8	847,622	7.1	8,166,897	68.4	110,613	0.9	24,405	0.2	323,541	2.7	853,795	7.2	1,270,306	10.6	11,933,604
2003	214,728	1.7	680,875	5.3	9,259,086	72.3	109,485	0.9	3,050	0.0	272,054	2.1	766,237	6.0	1,493,801	11.7	12,799,316
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
TOTAL	15,475,903	6.2	22,332,974	8.9	158,807,236	63.3	2,111,977	0.8	142,389	0.1	5,804,599	2.3	22,057,602	8.8	24,135,919	9.6	250,868,599

SELECTED PROCESSED COMMODITIES
1999 - 2018

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	%
1999	331,133	3.9	782,463	9.2	405,651	4.8	148,298	1.7	306,157	3.6	4,317,382	50.8	11,415	0.1	96,160	1.1	2,098,702	24.7
2000	376,158	4.2	674,597	7.6	546,984	6.2	150,169	1.7	212,512	2.4	4,881,723	55.0	30,865	0.3	37,787	0.4	1,958,480	22.1
2001	695,875	10.0	826,001	11.9	502,435	7.2	84,617	1.2	219,545	3.2	2,896,389	41.6	8,810	0.1	-	-	1,723,418	24.8
2002	722,291	9.0	454,928	5.7	557,911	6.9	76,218	0.9	232,784	2.9	4,067,662	50.5	86,187	1.1	55,833	0.7	1,795,371	22.3
2003	602,920	8.9	931,187	13.7	632,152	9.3	73,758	1.1	179,104	2.6	2,494,287	36.7	81,196	1.2	50,196	0.7	1,752,561	25.8
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	786,267	8.2	2,809	0.0	211,851	2.2	2,983,002	31.0	293,618	3.0	53,789	0.6	2,342,499	24.3
TOTAL	12,280,646	8.2	20,249,297	13.6	12,892,273	8.7	709,380	0.5	3,686,774	2.5	54,089,242	36.3	1,527,748	1.0	2,319,620	1.6	41,148,259	27.6

(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
2018**

WELLAND CANAL SECTION

TABLE W1

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	216	61	277	4,722,432	949,717	-	-	-	7,591	1,432,487	310,682	2,700,477	9.0
	Barge	1	-	1	6,220	11,719	-	-	-	-	-	-	11,719	0.0
	Tanker	50	27	77	885,246	536,139	-	-	-	-	-	-	536,139	1.8
	Total Ocean	267	88	355	5,613,898	1,497,575	-	-	-	7,591	1,432,487	310,682	3,248,335	10.8
Laker:	Cargo	156	561	717	13,857,813	2,776,636	-	12,766	-	-	-	-	2,789,402	9.3
	Barge	94	78	172	1,206,118	926,250	-	-	-	-	-	-	926,250	3.1
	Tanker	40	37	77	819,089	402,536	-	-	-	-	-	-	402,536	1.3
	Total Laker	290	676	966	15,883,020	4,105,422	-	12,766	-	-	-	-	4,118,188	13.7
Non-Cargo		-	241	241	126,173	-	-	-	-	-	-	-	-	-
Passenger		19	1	20	104,845	-	-	-	-	-	-	-	-	-
Total Upbound		576	1,006	1,582	21,727,936	5,602,997	-	12,766	-	7,591	1,432,487	310,682	7,366,523	24.5
DOWNBOUND:														
Ocean:	Cargo	242	34	276	4,719,285	349,857	-	3,931,578	-	1,019	9,221	-	4,291,675	14.2
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	45	31	76	879,141	452,488	-	-	-	-	-	-	452,488	1.5
	Total Ocean	287	65	352	5,598,426	802,345	-	3,931,578	-	1,019	9,221	-	4,744,163	15.8
Laker:	Cargo	647	68	715	13,801,197	8,719,246	2,544,993	5,412,943	-	-	-	-	16,677,182	55.4
	Barge	94	76	170	1,197,619	713,810	-	75,597	-	-	232	-	789,639	2.6
	Tanker	52	24	76	805,737	542,091	-	-	-	-	-	-	542,091	1.8
	Total Laker	793	168	961	15,804,553	9,975,147	2,544,993	5,488,540	-	-	232	-	18,008,912	59.8
Non-Cargo		-	233	233	136,115	-	-	-	-	-	-	-	-	-
Passenger		19	-	19	102,038	-	-	-	-	-	-	-	-	-
Total Downbound		1,099	466	1,565	21,641,132	10,777,492	2,544,993	9,420,118	-	1,019	9,453	-	22,753,075	75.5
TOTALS:														
Ocean:	Cargo	458	95	553	9,441,717	1,299,574	-	3,931,578	-	8,610	1,441,708	310,682	6,992,152	23.2
	Barge	1	-	1	6,220	11,719	-	-	-	-	-	-	11,719	0.0
	Tanker	95	58	153	1,764,387	988,627	-	-	-	-	-	-	988,627	3.3
	Total Ocean	554	153	707	11,212,324	2,299,920	-	3,931,578	-	8,610	1,441,708	310,682	7,992,498	26.5
Laker:	Cargo	803	629	1,432	27,659,010	11,495,882	2,544,993	5,425,709	-	-	-	-	19,466,584	64.6
	Barge	188	154	342	2,403,737	1,640,060	-	75,597	-	-	232	-	1,715,889	5.7
	Tanker	92	61	153	1,624,826	944,627	-	-	-	-	-	-	944,627	3.1
	Total Laker	1,083	844	1,927	31,687,573	14,080,569	2,544,993	5,501,306	-	-	232	-	22,127,100	73.5
Non-Cargo		-	474	474	262,288	-	-	-	-	-	-	-	-	-
Passenger		38	1	39	206,883	-	-	-	-	-	-	-	-	-
GRAND TOTAL		1,675	1,472	3,147	43,369,068	16,380,489	2,544,993	9,432,884	-	8,610	1,441,940	310,682	30,119,598	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 BY CLASSIFICATION AND TYPE OF CARGO
2018**

TABLE W2

WELLAND CANAL SECTION

COMMODITY	CARGO TONNES							Total	% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs		
Wheat	-	-	5,950,148	-	-	-	-	5,950,148	19.8
Corn	-	-	586,363	-	-	-	-	586,363	1.9
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	28,440	-	-	-	-	28,440	0.1
Barley	-	-	-	-	-	-	-	-	-
Canola (Rapeseed)	-	-	698,781	-	-	-	-	698,781	2.3
Canola Meal, Pellets	-	-	45,952	-	-	-	-	45,952	0.2
Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-	-
Soybeans	-	-	1,634,203	-	-	-	-	1,634,203	5.4
Soybean Oil Cake, Meal, Pellets	-	-	222,275	-	-	-	-	222,275	0.7
Beans and Peas	-	-	65,889	-	-	-	-	65,889	0.2
Flaxseed	-	-	48,565	-	-	-	-	48,565	0.2
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	152,268	-	-	-	-	152,268	0.5
Total Agricultural Products	-	-	9,432,884	-	-	-	-	9,432,884	31.3
Packing House Products, Edible	-	-	-	-	-	-	-	-	-
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	-	-	-	-	-	-	-	-	-
Total Animal Products	-	-	-	-	-	-	-	-	-
Bituminous Coal	-	2,544,993	-	-	-	-	-	2,544,993	8.4
Coke	1,264,467	-	-	-	-	-	-	1,264,467	4.2
Iron Ore	5,602,918	-	-	-	-	-	-	5,602,918	18.6
Aluminum Ore and Concentrates	115,209	-	-	-	-	-	-	115,209	0.4
Clay and Bentonite	73,878	-	-	-	-	-	-	73,878	0.2
Gravel and Sand	130,053	-	-	-	-	-	-	130,053	0.4
Stone	465,007	-	-	-	-	-	-	465,007	1.5
Salt	2,882,017	-	-	-	-	-	-	2,882,017	9.6
Potash	310,117	-	-	-	-	-	-	310,117	1.0
Gypsum	15,634	-	-	-	-	-	-	15,634	0.1
Asphalt	337,238	-	-	-	-	-	-	337,238	1.1
Other Mine Products	74,739	-	-	-	9	-	-	74,748	0.2
Total Mine Products	11,271,277	2,544,993	-	-	9	-	-	13,816,279	45.9
Lumber	-	-	-	-	-	-	-	-	-
Other Forest Products	2,003	-	-	-	235	-	-	2,238	0.0
Total Forest Products	2,003	-	-	-	235	-	-	2,238	0.0
Gasoline	275,959	-	-	-	-	-	-	275,959	0.9
Fuel Oil	1,606,931	-	-	-	-	-	-	1,606,931	5.3
Other Petroleum Products (2)	187,118	-	-	-	-	-	-	187,118	0.6
Chemicals	172,143	-	-	-	3,039	-	-	175,182	0.6
Sodium Products	-	-	-	-	-	-	-	-	-
Tar, Pitch and Creosote	19,529	-	-	-	-	-	-	19,529	0.1
Pig Iron	211,851	-	-	-	-	-	-	211,851	0.7
Iron and Steel	-	-	-	-	412	1,397,520	-	1,397,932	4.6
Steel Slabs	-	-	-	-	-	-	310,682	310,682	1.0
Machinery and Machines	936	-	-	-	1,089	23,418	-	25,443	0.1
Cement	836,167	-	-	-	-	-	-	836,167	2.8
Cement Clinkers	696,098	-	-	-	-	-	-	696,098	2.3
Woodpulp	9,000	-	-	-	-	-	-	9,000	0.0
Newsprint and Paper Products	13	-	-	-	377	-	-	390	0.0
Syrup and Molasses	-	-	-	-	-	-	-	-	-
Sugar	37,820	-	-	-	-	-	-	37,820	0.1
Food Products	-	-	-	-	40	-	-	40	0.0
Furnace Slags	748,536	-	-	-	-	-	-	748,536	2.5
Scrap Iron and Steel	27,661	-	-	-	-	-	-	27,661	0.1
Other Manufactures and Misc. (3)	277,447	-	-	-	3,409	21,002	-	301,858	1.0
Total Manufactures and Misc.	5,107,209	-	-	-	8,366	1,441,940	310,682	6,868,197	22.8
GRAND TOTAL	16,380,489	2,544,993	9,432,884	-	8,610	1,441,940	310,682	30,119,598	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) With the 2018 Traffic Report, all biofuels products were removed from the Other Petroleum Products category and moved into the Other Manufactured and Misc. category.

(3) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2018**

TABLE W3 - Part A

MONTREAL-LAKE ONTARIO SECTION

NO.	COMMODITY	from: to:		UPBOUND TONNES				TOTAL UPBOUND	% OF TOTAL UP- BOUND		
				CANADA		UNITED STATES				FOREIGN	
				Canada	United States	Canada	United States			Canada	United States
1	Wheat	-	12,766	-	-	-	-	12,766	0.2		
2	Corn	-	-	-	-	-	-	-	-		
3	Rye	-	-	-	-	-	-	-	-		
4	Oats	-	-	-	-	-	-	-	-		
5	Barley	-	-	-	-	-	-	-	-		
6	Canola (Rapeseed)	-	-	-	-	-	-	-	-		
7	Canola Meal, Pellets	-	-	-	-	-	-	-	-		
8	Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-		
9	Soybeans	-	-	-	-	-	-	-	-		
10	Soybean Oil Cake, Meal, Pellets	-	-	-	-	-	-	-	-		
11	Beans and Peas	-	-	-	-	-	-	-	-		
12	Flaxseed	-	-	-	-	-	-	-	-		
13	Sunflower Seeds	-	-	-	-	-	-	-	-		
14	Other Agricultural Products	-	-	-	-	-	-	-	-		
15	Total Agricultural Products	-	12,766	-	-	-	-	12,766	0.2		
16	Packing House Products, Edible	-	-	-	-	-	-	-	-		
17	Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-		
18	Other Animal Products	-	-	-	-	-	-	-	-		
19	Total Animal Products	-	-	-	-	-	-	-	-		
20	Bituminous Coal	-	-	-	-	-	-	-	-		
21	Coke	43,703	19,980	-	-	-	23,526	87,209	1.2		
22	Iron Ore	-	940,130	-	-	-	-	940,130	12.8		
23	Aluminum Ore and Concentrates	-	10,885	-	-	-	104,324	115,209	1.6		
24	Clay and Bentonite	-	-	-	-	-	32,002	32,002	0.4		
25	Gravel and Sand	-	-	-	-	-	-	-	-		
26	Stone	-	216,060	-	-	-	20,623	236,683	3.2		
27	Salt	-	606,076	-	-	-	195,639	801,715	10.9		
28	Potash	-	-	-	-	-	-	-	-		
29	Gypsum	-	15,634	-	-	-	-	15,634	0.2		
30	Asphalt	-	43,711	-	-	-	-	43,711	0.6		
31	Other Mine Products	-	10,878	-	-	-	63,870	74,748	1.0		
32	Total Mine Products	43,703	1,863,354	-	-	-	439,984	2,347,041	31.9		
33	Lumber	-	-	-	-	-	-	-	-		
34	Other Forest Products	-	-	-	-	2,003	235	2,238	0.0		
35	Total Forest Products	-	-	-	-	2,003	235	2,238	0.0		
36	Gasoline	131,009	-	47,477	-	12,075	-	190,561	2.6		
37	Fuel Oil	493,928	46,608	53,883	-	-	-	594,419	8.1		
38	Other Petroleum Products (1)	49,915	-	44,552	-	46,921	-	141,388	1.9		
39	Chemicals	-	-	-	-	29,273	21,642	50,915	0.7		
40	Sodium Products	-	-	-	-	-	-	-	-		
41	Tar, Pitch and Creosote	-	-	11,719	-	-	-	11,719	0.2		
42	Pig Iron	-	13,790	-	-	-	198,061	211,851	2.9		
43	Iron and Steel	-	-	-	-	343,916	1,050,820	1,394,736	18.9		
44	Steel Slabs	-	-	-	-	99,989	210,693	310,682	4.2		
45	Machinery and Machines	-	868	-	-	3,404	19,868	24,140	0.3		
46	Cement	2,980	801,135	-	-	-	32,052	836,167	11.4		
47	Cement Clinkers	-	657,278	-	-	-	38,820	696,098	9.4		
48	Woodpulp	-	-	-	-	-	9,000	9,000	0.1		
49	Newsprint and Paper Products	-	13	-	-	310	67	390	0.0		
50	Syrup and Molasses	-	-	-	-	-	-	-	-		
51	Sugar	-	-	-	-	-	37,820	37,820	0.5		
52	Food Products	-	-	-	-	-	33	33	0.0		
53	Furnace Slags	-	174,973	-	14,424	-	50,012	239,409	3.2		
54	Scrap Iron and Steel	-	27,661	-	-	-	-	27,661	0.4		
55	Other Manufactures and Misc. (2)	5,525	122,512	22,424	240	25,518	51,270	227,489	3.1		
56	Total Manufactures and Misc.	683,357	1,844,838	180,055	14,664	561,406	1,720,158	5,004,478	67.9		
57	GRAND TOTAL	727,060	3,720,958	180,055	14,664	563,409	2,160,377	7,366,523	100.0		

(1) With the 2018 Traffic Report, all biofuels products were removed from the Other Petroleum Products category and moved into the Other Manufactured and Misc. category.

(2) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2018**

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					
3,979,730	-	1,171,108	36,384	-	750,160	5,937,382	26.1	5,950,148	19.8	1
1,500	-	180,542	13,039	-	391,282	586,363	2.6	586,363	1.9	2
-	-	-	-	-	-	-	-	-	-	3
-	-	28,440	-	-	-	28,440	0.1	28,440	0.1	4
-	-	-	-	-	-	-	-	-	-	5
432,440	-	222,634	27,291	-	16,416	698,781	3.1	698,781	2.3	6
26,897	-	19,055	-	-	-	45,952	0.2	45,952	0.2	7
-	-	-	-	-	-	-	-	-	-	8
486,515	-	95,886	449,287	-	602,515	1,634,203	7.2	1,634,203	5.4	9
35,457	-	186,818	-	-	-	222,275	1.0	222,275	0.7	10
-	-	65,889	-	-	-	65,889	0.3	65,889	0.2	11
-	-	48,565	-	-	-	48,565	0.2	48,565	0.2	12
-	-	-	-	-	-	-	-	-	-	13
-	-	20,364	-	-	131,904	152,268	0.7	152,268	0.5	14
4,962,539	-	2,039,301	526,001	-	1,892,277	9,420,118	41.4	9,432,884	31.3	15
-	-	-	-	-	-	-	-	-	-	16
-	-	-	-	-	-	-	-	-	-	17
-	-	-	-	-	-	-	-	-	-	18
-	-	-	-	-	-	-	-	-	-	19
-	-	-	2,544,993	-	-	2,544,993	11.2	2,544,993	8.4	20
467,805	-	51,642	634,366	-	23,445	1,177,258	5.2	1,264,467	4.2	21
21,522	-	-	4,641,266	-	-	4,662,788	20.5	5,602,918	18.6	22
-	-	-	-	-	-	-	-	115,209	0.4	23
-	-	-	-	-	41,876	41,876	0.2	73,878	0.2	24
-	-	-	130,053	-	-	130,053	0.6	130,053	0.4	25
228,324	-	-	-	-	-	228,324	1.0	465,007	1.5	26
1,660,027	53,209	-	367,066	-	-	2,080,302	9.1	2,882,017	9.6	27
63,593	24,705	221,819	-	-	-	310,117	1.4	310,117	1.0	28
-	-	-	-	-	-	-	-	15,634	0.1	29
119,140	-	-	161,368	13,019	-	293,527	1.3	337,238	1.1	30
-	-	-	-	-	-	-	-	74,748	0.2	31
2,560,411	77,914	273,461	8,479,112	13,019	65,321	11,469,238	50.4	13,816,279	45.9	32
-	-	-	-	-	-	-	-	-	-	33
-	-	-	-	-	-	-	-	2,238	0.0	34
-	-	-	-	-	-	-	-	2,238	0.0	35
67,623	7,981	2,364	7,430	-	-	85,398	0.4	275,959	0.9	36
967,572	18,017	-	26,923	-	-	1,012,512	4.5	1,606,931	5.3	37
-	-	45,730	-	-	-	45,730	0.2	187,118	0.6	38
42,643	-	-	81,624	-	-	124,267	0.5	175,182	0.6	39
-	-	-	-	-	-	-	-	-	-	40
-	-	-	7,810	-	-	7,810	0.0	19,529	0.1	41
-	-	-	-	-	-	-	-	211,851	0.7	42
-	-	2,000	-	-	1,196	3,196	0.0	1,397,932	4.6	43
-	-	-	-	-	-	-	-	310,682	1.0	44
68	232	-	-	-	1,003	1,303	0.0	25,443	0.1	45
-	-	-	-	-	-	-	-	836,167	2.8	46
-	-	-	-	-	-	-	-	696,098	2.3	47
-	-	-	-	-	-	-	-	9,000	0.0	48
-	-	-	-	-	-	-	-	390	0.0	49
-	-	-	-	-	-	-	-	-	-	50
-	-	-	-	-	-	-	-	37,820	0.1	51
-	-	7	-	-	-	7	0.0	40	0.0	52
348,765	-	-	160,362	-	-	509,127	2.2	748,536	2.5	53
-	-	-	-	-	-	-	-	27,661	0.1	54
-	-	4,979	68,335	-	1,055	74,369	0.3	301,858	1.0	55
1,426,671	26,230	55,080	352,484	-	3,254	1,863,719	8.2	6,868,197	22.8	56
8,949,621	104,144	2,367,842	9,357,597	13,019	1,960,852	22,753,075	100.0	30,119,598	100.0	57

**TRAFFIC BY MONTH AND TYPE OF CARGO
2018**

TABLE W4

WELLAND CANAL SECTION

DIRECTION AND MONTH	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES (1)								
	Loaded	Ballast	Total		Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	%
UPBOUND:													
March	8	15	23	321,691	86,810	-	-	-	-	-	-	86,810	0.3
April	54	91	145	2,056,491	461,399	-	-	-	1,143	158,791	102,009	723,342	2.4
May	64	114	178	2,469,847	582,037	-	-	-	630	162,461	20,416	765,544	2.5
June	65	133	198	2,462,777	539,495	-	-	-	1,332	163,396	42,796	747,019	2.5
July	68	116	184	2,478,992	593,951	-	-	-	225	174,853	40,549	809,578	2.7
August	65	114	179	2,512,060	548,012	-	-	-	1,442	176,140	20,852	746,446	2.5
September	69	95	164	2,481,793	734,847	-	12,766	-	651	160,368	20,126	928,758	3.1
October	60	113	173	2,474,759	646,174	-	-	-	763	154,494	22,203	823,634	2.7
November	70	121	191	2,529,415	786,718	-	-	-	777	200,195	41,731	1,029,421	3.4
December	53	94	147	1,940,111	623,554	-	-	-	628	81,789	-	705,971	2.3
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Upbound	576	1,006	1,582	21,727,936	5,602,997	-	12,766	-	7,591	1,432,487	310,682	7,366,523	24.5
DOWNBOUND:													
March	6	1	7	126,107	79,190	52,763	-	-	-	-	-	131,953	0.4
April	79	38	117	1,625,666	841,631	249,080	647,508	-	10	82	-	1,738,311	5.8
May	129	51	180	2,570,180	1,198,152	372,627	1,144,778	-	-	-	-	2,715,557	9.0
June	117	59	176	2,414,790	1,342,750	282,517	812,817	-	7	2,508	-	2,440,599	8.1
July	138	70	208	2,623,023	1,516,810	281,709	1,000,224	-	-	957	-	2,799,700	9.3
August	119	55	174	2,289,953	1,418,383	222,270	751,714	-	159	1,188	-	2,393,714	7.9
September	134	48	182	2,674,413	1,421,545	310,126	1,154,195	-	433	-	-	2,886,299	9.6
October	124	43	167	2,407,063	1,099,719	321,122	1,197,894	-	128	978	-	2,619,841	8.7
November	119	47	166	2,316,122	831,499	264,146	1,319,548	-	44	452	-	2,415,689	8.0
December	134	54	188	2,593,815	1,027,813	188,633	1,391,440	-	238	3,288	-	2,611,412	8.7
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Downbound	1,099	466	1,565	21,641,132	10,777,492	2,544,993	9,420,118	-	1,019	9,453	-	22,753,075	75.5
TOTALS:													
March	14	16	30	447,798	166,000	52,763	-	-	-	-	-	218,763	0.7
April	133	129	262	3,682,157	1,303,030	249,080	647,508	-	1,153	158,873	102,009	2,461,653	8.2
May	193	165	358	5,040,027	1,780,189	372,627	1,144,778	-	630	162,461	20,416	3,481,101	11.6
June	182	192	374	4,877,567	1,882,245	282,517	812,817	-	1,339	165,904	42,796	3,187,618	10.6
July	206	186	392	5,102,015	2,110,761	281,709	1,000,224	-	225	175,810	40,549	3,609,278	12.0
August	184	169	353	4,802,013	1,966,395	222,270	751,714	-	1,601	177,328	20,852	3,140,160	10.4
September	203	143	346	5,156,206	2,156,392	310,126	1,166,961	-	1,084	160,368	20,126	3,815,057	12.7
October	184	156	340	4,881,822	1,745,893	321,122	1,197,894	-	891	155,472	22,203	3,443,475	11.4
November	189	168	357	4,845,537	1,618,217	264,146	1,319,548	-	821	200,647	41,731	3,445,110	11.4
December	187	148	335	4,533,926	1,651,367	188,633	1,391,440	-	866	85,077	-	3,317,383	11.0
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	1,675	1,472	3,147	43,369,068	16,380,489	2,544,993	9,432,884	-	8,610	1,441,940	310,682	30,119,598	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
1999 - 2018**

TABLE W5

WELLAND CANAL SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
1999	1,836	1,844	3,680	13,772,519	23,668,366	37,440,885	20,861,259	20,898,258	41,759,517
2000	1,681	1,670	3,351	13,433,945	23,138,232	36,572,177	20,473,915	20,428,640	40,902,555
2001	1,706	1,683	3,389	10,623,437	21,861,460	32,484,897	19,489,594	19,430,309	38,919,903
2002	1,506	1,510	3,016	11,689,831	20,418,339	32,108,170	18,103,106	18,134,151	36,237,257
2003	1,512	1,515	3,027	11,697,639	20,172,827	31,870,466	17,525,485	17,478,649	35,004,134
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
TOTAL	32,621	32,658	65,279	191,164,807	444,645,029	635,809,836	388,923,769	388,540,128	777,463,897

**CARGO BY TARIFF CLASSIFICATION
1999 - 2018**

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	%	
1999	15,880,743	42.4	4,518,099	12.1	13,508,319	36.1	69,469	0.2	355	0.0	3,286,495	8.8	177,405	0.5	37,440,885
2000	15,811,645	43.2	4,345,503	11.9	12,871,409	35.2	9,655	0.0	1,283	0.0	3,382,207	9.2	150,475	0.4	36,572,177
2001	13,826,823	42.6	4,803,620	14.8	11,645,522	35.8	-	-	1,616	0.0	2,033,454	6.3	173,862	0.5	32,484,897
2002	14,956,780	46.6	4,114,092	12.8	10,323,175	32.2	25,834	0.1	848	0.0	2,133,952	6.6	553,489	1.7	32,108,170
2003	16,635,881	52.2	4,196,191	13.2	9,342,431	29.3	7,826	0.0	791	0.0	1,682,564	5.3	4,782	0.0	31,870,466
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
TOTAL	333,202,963	52.4	73,423,733	11.5	189,573,553	29.8	123,848	0.0	109,326	0.0	36,409,457	5.7	2,966,956	0.5	635,809,836

(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
1999 - 2018**

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
1999	13,772,519	905	931	1,836	23,668,366	1,227	617	1,844	37,440,885	2,132	1,548	3,680
2000	13,433,945	849	832	1,681	23,138,232	1,214	456	1,670	36,572,177	2,063	1,288	3,351
2001	10,623,437	746	960	1,706	21,861,460	1,147	536	1,683	32,484,897	1,893	1,496	3,389
2002	11,689,831	766	740	1,506	20,418,339	1,041	469	1,510	32,108,170	1,807	1,209	3,016
2003	11,697,639	725	787	1,512	20,172,827	1,036	479	1,515	31,870,466	1,761	1,266	3,027
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
TOTAL	191,164,807	12,990	19,631	32,621	444,645,029	22,622	10,036	32,658	635,809,836	35,612	29,667	65,279

COMMODITY GROUPS

1999 - 2018

TABLE W8

WELLAND CANAL SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1999	13,577,788	36.3	11,580	0.0	15,195,354	40.6	-	-	8,656,163	23.1	37,440,885
2000	12,875,981	35.2	7,080	0.0	15,324,880	41.9	-	-	8,364,236	22.9	36,572,177
2001	11,645,522	35.8	4,042	0.0	13,287,209	40.9	20,181	0.1	7,527,943	23.2	32,484,897
2002	10,348,562	32.2	5,172	0.0	13,907,368	43.3	89,156	0.3	7,757,912	24.2	32,108,170
2003	9,349,427	29.3	-	-	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
TOTAL	189,685,942	29.8	33,113	0.0	306,368,295	48.2	413,402	0.1	139,309,084	21.9	635,809,836

**U.S. GRAINS
1999 - 2018**

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	%	
1999	1,625,184	24.3	2,705,940	40.5	-	-	-	-	42,557	0.6	2,140,080	32.0	-	-	165,111	2.5	6,678,872
2000	2,012,948	33.6	1,763,090	29.4	-	-	43,694	0.7	93,785	1.6	1,894,632	31.6	31,084	0.5	149,299	2.5	5,988,532
2001	2,098,403	38.8	1,444,889	26.7	20,959	0.4	-	-	24,960	0.5	1,568,703	29.0	56,728	1.0	199,541	3.7	5,414,183
2002	1,864,851	40.7	1,003,946	21.9	-	-	-	-	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
TOTAL	27,874,203	42.0	14,510,115	21.9	20,959	0.0	424,723	0.6	293,178	0.4	19,461,697	29.4	519,601	0.8	3,190,786	4.8	66,295,262

**CANADIAN GRAINS
1999 - 2018**

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	%	
1999	4,797,664	70.5	321,393	4.7	3,168	0.0	243,358	3.6	83,825	1.2	289,152	4.2	221,353	3.3	846,620	12.4	6,806,533
2000	4,651,847	67.6	114,367	1.7	8,482	0.1	340,413	4.9	-	-	249,090	3.6	458,601	6.7	1,056,880	15.4	6,879,680
2001	4,521,487	72.7	45,687	0.7	11,679	0.2	321,964	5.2	32,908	0.5	207,275	3.3	475,014	7.6	599,127	9.6	6,215,141
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
TOTAL	90,047,760	73.3	1,663,185	1.4	252,192	0.2	10,928,244	8.9	304,723	0.2	6,761,421	5.5	5,300,850	4.3	7,609,598	6.2	122,867,973

SELECTED MINING COMMODITIES

1999 - 2018

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	%	
1999	4,518,099	29.7	623,627	4.1	5,822,615	38.3	175,661	1.2	228,871	1.5	859,859	5.7	2,154,900	14.2	811,722	5.3	15,195,354
2000	4,345,503	28.4	964,887	6.3	6,128,438	40.0	161,835	1.1	214,291	1.4	894,193	5.8	1,725,627	11.3	890,106	5.8	15,324,880
2001	4,803,620	36.2	901,018	6.8	3,486,873	26.2	84,269	0.6	204,364	1.5	945,002	7.1	2,149,714	16.2	712,349	5.4	13,287,209
2002	4,114,092	29.6	1,194,300	8.6	5,042,945	36.3	110,613	0.8	181,670	1.3	739,559	5.3	1,888,696	13.6	635,493	4.6	13,907,368
2003	4,196,191	26.8	1,004,157	6.4	6,560,453	42.0	109,485	0.7	210,126	1.3	799,893	5.1	2,070,106	13.2	686,711	4.4	15,637,122
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	76,657	0.5	423,888	2.9	2,939,181	20.0	688,291	4.7	14,700,836
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
TOTAL	73,423,733	24.0	27,757,800	9.1	123,047,740	40.2	2,111,177	0.7	3,170,210	1.0	13,041,316	4.3	50,177,775	16.4	13,638,544	4.5	306,368,295

**SELECTED PROCESSED COMMODITIES
1999 - 2018**

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	%
1999	63,662	0.7	474,539	5.5	397,024	4.6	77,394	0.9	225,935	2.6	3,334,738	38.5	1,602,864	18.5	126,082	1.5	2,353,925	27.2
2000	108,365	1.3	354,049	4.2	496,847	5.9	84,646	1.0	202,512	2.4	3,458,677	41.4	1,258,259	15.0	138,016	1.7	2,262,865	27.1
2001	285,450	3.8	492,370	6.5	435,129	5.8	73,898	1.0	199,013	2.6	2,145,531	28.5	1,540,165	20.5	124,709	1.7	2,231,678	29.6
2002	147,641	1.9	293,209	3.8	421,416	5.4	74,087	1.0	229,653	3.0	2,643,181	34.0	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
TOTAL	6,570,771	4.7	15,882,514	11.4	6,444,115	4.6	491,826	0.4	3,489,822	2.5	38,284,544	27.5	20,624,063	14.8	2,896,194	2.1	44,547,107	32.0

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

NOTES