

The St. Lawrence Seaway

2017 Traffic Report

THE ST. LAWRENCE SEAWAY TRAFFIC REPORT 2017 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 2017 St. Lawrence Seaway traffic activities.
- Part II** - Table summaries of cargo and vessel movements through the St. Lawrence Seaway. These tables represent total Seaway traffic, eliminating duplication of vessel transits and cargo quantities moved through more than one traffic sector.
- Part III** - Table summaries of cargo and vessel movements through the Montreal - Lake Ontario Section of the St. Lawrence Seaway.
- Part IV** - Table summaries of cargo and vessel movements through the Welland Canal Section of the St. Lawrence Seaway.

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

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

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

Prior to 1999, the assessment of tolls required tugs and barges in common transits be considered as one unit. From 1999 onwards, the tug and the barge are each considered to be a separate transit.

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

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

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PART I

ST. LAWRENCE SEAWAY TOLL TRAFFIC

DEFINITIONS

AND

2017 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 2017

TABLE S1

TRAFFIC AND REVENUE	ST. LAWRENCE SEAWAY			MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
TRAFFIC	Tonnes and Transits	% of Total	Variance 2016%	Tonnes and Transits	% of Total	Variance 2016%	Tonnes and Transits	% of Total	Variance 2016%
Cargo Tonnes by Toll Classification:									
Bulk (1)	22,794,120	59.5	19.0	15,660,242	54.4	19.1	17,263,953	57.2	37.2
Coal	2,250,002	5.9	0.1	188,294	0.7	- 65.0	2,250,002	7.4	0.1
Grains	10,173,966	26.6	- 9.7	9,861,254	34.3	- 10.6	8,541,851	28.3	- 13.3
Government Aid	-	-	-	-	-	-	-	-	-
Containers	58,605	0.2	- 0.6	58,605	0.2	- 0.6	12,557	0.0	- 31.3
General Cargo	2,512,625	6.6	22.3	2,512,625	8.7	22.3	1,847,458	6.1	23.5
Steel Slabs	490,440	1.3	120.6	490,440	1.7	120.6	289,412	1.0	1,325.1
Total Cargo Tonnes	38,279,758	100.0	9.3	28,771,460	100.0	6.4	30,205,233	100.0	15.2
Gross Registered Tonnage:									
Cargo Vessels	50,567,035	99.0	13.1	36,874,268	99.3	9.5	43,607,844	99.0	15.2
Non-Cargo Vessels	297,474	0.6	- 5.1	157,964	0.4	- 9.1	263,955	0.6	- 4.8
Passengers	217,468	0.4	86.7	107,817	0.3	77.3	191,635	0.4	98.7
Total Gross Registered Tonnage	51,081,977	100.0	13.1	37,140,049	100.0	9.5	44,063,434	100.0	15.2
Vessel Transits:									
Loaded Cargo Vessels	2,270	55.0	6.5	1,746	61.9	4.6	1,695	52.2	10.4
Ballast Cargo Vessels	1,117	27.1	12.7	660	23.4	13.2	1,070	32.9	9.3
Non-Cargo Vessels	740	17.9	13.5	416	14.7	42.5	483	14.9	- 9.6
Total Vessel Transits	4,127	100.0	9.4	2,822	100.0	10.9	3,248	100.0	6.6
Additional Information:	Number			Number			Number		
Passengers (Number)	9,395	-	60.4	4,143	-	30.3	6,686	-	89.6
Pleasure Craft Lockages	14,250	-	33.3	6,928	-	- 1.3	7,322	-	99.4
REVENUE (2)	Revenue	% of Total	Variance 2016%	Revenue	% of Total	Variance 2016%	Revenue	% of Total	Variance 2016%
Traffic Revenue (\$) by Toll Classification	\$			\$			\$		
Bulk (1)	29,404,220	38.9	29.1	16,472,395	47.1	21.4	12,931,825	31.8	40.3
Coal	1,835,821	2.4	- 10.2	114,696	0.3	- 67.8	1,721,125	4.2	2.0
Grains	13,317,922	17.6	- 9.6	6,787,332	19.4	- 8.3	6,530,590	16.0	- 10.8
Government Aid	-	-	-	-	-	-	-	-	-
Containers	46,010	0.1	- 7.9	38,325	0.1	- 1.7	7,685	0.0	- 29.8
General Cargo	8,682,293	11.5	24.6	6,478,324	18.5	24.3	2,203,969	5.4	25.5
Steel Slabs	1,425,221	1.9	158.8	1,178,823	3.4	121.1	246,398	0.6	1,310.8
Gross Registered Tonnage	11,527,065	15.2	15.3	3,885,681	11.1	10.9	7,641,384	18.8	17.7
Passengers	108,061	0.1	59.6	28,111	0.1	32.6	79,950	0.2	72.0
Lockage Fees	9,335,806	12.3	16.2	-	-	-	9,335,806	22.9	16.2
Total Tolls - Current Shipping Season	75,682,418	100.0	16.0	34,983,687	100.0	14.2	40,698,730	100.0	17.7

(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 2017

TABLE S2

SUMMARY OF MAJOR COMMODITIES	ST. LAWRENCE SEAWAY			MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
	Tonnes	% of Total	Variance 2016%	Tonnes	% of Total	Variance 2016%	Tonnes	% of Total	Variance 2016%
Agricultural Products:									
Wheat	5,374,137	14.0	- 9.8	5,243,556	18.2	- 10.9	5,102,218	16.9	- 11.1
Corn	810,262	2.1	- 26.9	784,307	2.7	- 28.6	312,368	1.0	- 54.8
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	- 100.0	-	-	- 100.0	-	-	- 100.0
Barley	-	-	- 100.0	-	-	- 100.0	-	-	- 100.0
Soybeans	2,398,035	6.3	7.3	2,398,035	8.3	7.3	1,535,733	5.1	5.2
Flaxseed	20,012	0.1	- 76.3	20,012	0.1	- 76.3	20,012	0.1	- 76.3
Canola (Rapeseed)	1,322,751	3.5	1.6	1,166,575	4.1	0.3	1,322,751	4.4	1.6
Other Grains	248,769	0.6	- 54.9	248,769	0.9	- 54.9	248,769	0.8	- 54.9
<i>Total Grains</i>	10,173,966	26.6	- 9.7	9,861,254	34.3	- 10.6	8,541,851	28.3	- 13.3
Other Agricultural Products	3	0.0	-	3	0.0	-	3	0.0	-
Total Agricultural Products	10,173,969	26.6	- 9.7	9,861,257	34.3	- 10.6	8,541,854	28.3	- 13.3
Mine Products:									
Iron Ore	8,226,687	21.5	32.0	6,361,732	22.1	22.4	6,340,015	21.0	83.8
Coal	2,250,002	5.9	0.1	188,294	0.7	- 65.0	2,250,002	7.4	0.1
Coke	1,598,902	4.2	30.3	1,256,139	4.4	59.8	1,566,395	5.2	40.2
Stone, Ground, Crushed, or Rough	455,061	1.2	18.0	94,176	0.3	- 32.8	360,885	1.2	18.2
Salt	3,283,947	8.6	29.7	1,116,323	3.9	25.6	3,259,665	10.8	32.4
Other Mine Products	1,402,570	3.7	3.7	1,113,592	3.9	10.1	980,317	3.2	13.0
Total Mine Products	17,217,169	45.0	23.2	10,130,256	35.2	18.3	14,757,279	48.9	41.2
Processed Products:									
Iron and Steel	2,439,350	6.4	23.7	2,439,350	8.5	24.0	1,779,217	5.9	23.3
Steel Slabs	490,440	1.3	120.6	490,440	1.7	120.6	289,412	1.0	1,325.1
Petroleum Products	2,741,962	7.2	15.1	2,610,582	9.1	21.5	1,864,444	6.2	15.1
Chemicals	712,292	1.9	- 24.4	654,963	2.3	- 28.8	162,570	0.5	4.4
Other Processed Products	4,499,069	11.8	6.2	2,579,105	9.0	17.7	2,807,175	9.3	5.1
Total Processed Products	10,883,113	28.4	11.5	8,774,440	30.5	17.8	6,902,818	22.9	16.8
Miscellaneous Cargo:									
Forest Products	5,507	0.0	- 36.3	5,507	0.0	- 36.3	3,282	0.0	- 62.1
Animal Products	-	-	-	-	-	-	-	-	-
Total Miscellaneous Cargo	5,507	0.0	- 36.3	5,507	0.0	- 36.3	3,282	0.0	- 62.1
GRAND TOTAL	38,279,758	100.0	9.3	28,771,460	100.0	6.4	30,205,233	100.0	15.2

**ACTUAL OPENING AND CLOSING DATES OF NAVIGATION
1998 - 2017**

TABLE S3

YEAR	MONTREAL - LAKE ONTARIO SECTION			WELLAND CANAL SECTION		
	Opening	Closing	Days of Navigation	Opening	Closing	Days of Navigation
1998	March 26	December 28	278	March 24	December 28	280
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

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 2017

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	325	27	352	5,847,579	1,507,919	15,152	6,789	-	14,349	2,508,919	490,440	4,543,568	11.9
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	119	13	132	1,505,694	1,296,839	-	-	-	-	-	-	1,296,839	3.4
	Total Ocean	444	40	484	7,353,273	2,804,758	15,152	6,789	-	14,349	2,508,919	490,440	5,840,407	15.3
Laker:	Cargo	245	608	853	15,559,481	4,605,608	-	-	-	5,030	-	-	4,610,638	12.0
	Barge	108	90	198	1,373,894	1,010,553	-	-	-	-	-	-	1,010,553	2.6
	Tanker	88	26	114	1,095,496	791,400	-	-	-	-	-	-	791,400	2.1
	Total Laker	441	724	1,165	18,028,871	6,407,561	-	-	-	5,030	-	-	6,412,591	16.8
Non-Cargo		-	365	365	142,299	-	-	-	-	-	-	-	-	-
Passenger		44	8	52	108,155	-	-	-	-	-	-	-	-	-
Total Upbound		929	1,137	2,066	25,632,598	9,212,319	15,152	6,789	-	19,379	2,508,919	490,440	12,252,998	32.0
DOWNBOUND:														
Ocean:	Cargo	286	60	346	5,713,569	864,500	-	3,912,832	-	1,522	3,706	-	4,782,560	12.5
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	65	65	130	1,482,858	569,259	-	-	-	-	-	-	569,259	1.5
	Total Ocean	351	125	476	7,196,427	1,433,759	-	3,912,832	-	1,522	3,706	-	5,351,819	14.0
Laker:	Cargo	783	64	847	15,474,414	10,935,751	2,230,916	6,153,759	-	37,704	-	-	19,358,130	50.6
	Barge	114	86	200	1,418,554	723,624	3,934	100,586	-	-	-	-	828,144	2.2
	Tanker	50	64	114	1,095,496	488,667	-	-	-	-	-	-	488,667	1.3
	Total Laker	947	214	1,161	17,988,464	12,148,042	2,234,850	6,254,345	-	37,704	-	-	20,674,941	54.0
Non-Cargo		-	375	375	155,175	-	-	-	-	-	-	-	-	-
Passenger		43	6	49	109,313	-	-	-	-	-	-	-	-	-
Total Downbound		1,341	720	2,061	25,449,379	13,581,801	2,234,850	10,167,177	-	39,226	3,706	-	26,026,760	68.0
TOTALS:														
Ocean:	Cargo	611	87	698	11,561,148	2,372,419	15,152	3,919,621	-	15,871	2,512,625	490,440	9,326,128	24.4
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	184	78	262	2,988,552	1,866,098	-	-	-	-	-	-	1,866,098	4.9
	Total Ocean	795	165	960	14,549,700	4,238,517	15,152	3,919,621	-	15,871	2,512,625	490,440	11,192,226	29.2
Laker:	Cargo	1,028	672	1,700	31,033,895	15,541,359	2,230,916	6,153,759	-	42,734	-	-	23,968,768	62.6
	Barge	222	176	398	2,792,448	1,734,177	3,934	100,586	-	-	-	-	1,838,697	4.8
	Tanker	138	90	228	2,190,992	1,280,067	-	-	-	-	-	-	1,280,067	3.3
	Total Laker	1,388	938	2,326	36,017,335	18,555,603	2,234,850	6,254,345	-	42,734	-	-	27,087,532	70.8
Non-Cargo		-	740	740	297,474	-	-	-	-	-	-	-	-	-
Passenger		87	14	101	217,468	-	-	-	-	-	-	-	-	-
GRAND TOTAL		2,270	1,857	4,127	51,081,977	22,794,120	2,250,002	10,173,966	-	58,605	2,512,625	490,440	38,279,758	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
2017**

TABLE C2

ST. LAWRENCE SEAWAY

COMMODITY	CARGO TONNES								% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	
Wheat	-	-	5,374,137	-	-	-	-	5,374,137	14.0
Corn	-	-	810,262	-	-	-	-	810,262	2.1
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Canola (Rapeseed)	-	-	1,322,751	-	-	-	-	1,322,751	3.5
Canola Meal, Pellets	-	-	19,900	-	-	-	-	19,900	0.1
Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-	-
Soybeans	-	-	2,398,035	-	-	-	-	2,398,035	6.3
Soybean Oil Cake, Meal, Pellets	-	-	99,686	-	-	-	-	99,686	0.3
Beans and Peas	-	-	38,195	-	-	-	-	38,195	0.1
Flaxseed	-	-	20,012	-	-	-	-	20,012	0.1
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	90,988	-	3	-	-	90,991	0.2
Total Agricultural Products	-	-	10,173,966	-	3	-	-	10,173,969	26.6
Packing House Products, Edible	-	-	-	-	-	-	-	-	-
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	-	-	-	-	-	-	-	-	-
Total Animal Products	-	-	-	-	-	-	-	-	-
Bituminous Coal	-	2,250,002	-	-	-	-	-	2,250,002	5.9
Coke	1,598,902	-	-	-	-	-	-	1,598,902	4.2
Iron Ore	8,226,687	-	-	-	-	-	-	8,226,687	21.5
Aluminum Ore and Concentrates	12,505	-	-	-	-	-	-	12,505	0.0
Clay and Bentonite	71,947	-	-	-	41	-	-	71,988	0.2
Gravel and Sand	126,407	-	-	-	-	-	-	126,407	0.3
Stone	455,061	-	-	-	-	-	-	455,061	1.2
Salt	3,283,947	-	-	-	-	-	-	3,283,947	8.6
Potash	398,192	-	-	-	-	-	-	398,192	1.0
Gypsum	440,732	-	-	-	-	-	-	440,732	1.2
Asphalt	254,645	-	-	-	-	-	-	254,645	0.7
Other Mine Products	98,061	-	-	-	40	-	-	98,101	0.3
Total Mine Products	14,967,086	2,250,002	-	-	81	-	-	17,217,169	45.0
Lumber	2,225	-	-	-	-	-	-	2,225	0.0
Other Forest Products	2,950	-	-	-	332	-	-	3,282	0.0
Total Forest Products	5,175	-	-	-	332	-	-	5,507	0.0
Gasoline	934,883	-	-	-	-	-	-	934,883	2.4
Fuel Oil	1,458,011	-	-	-	-	-	-	1,458,011	3.8
Other Petroleum Products	349,068	-	-	-	-	-	-	349,068	0.9
Chemicals	706,599	-	-	-	5,693	-	-	712,292	1.9
Sodium Products	15,086	-	-	-	-	-	-	15,086	0.0
Tar, Pitch and Creosote	49,652	-	-	-	-	-	-	49,652	0.1
Pig Iron	164,721	-	-	-	-	-	-	164,721	0.4
Iron and Steel	5,501	-	-	-	130	2,433,719	-	2,439,350	6.4
Steel Slabs	-	-	-	-	-	-	490,440	490,440	1.3
Machinery and Machines	2,964	-	-	-	5,833	22,183	-	30,980	0.1
Cement	857,959	-	-	-	-	-	-	857,959	2.2
Cement Clinkers	819,139	-	-	-	-	-	-	819,139	2.1
Woodpulp	7,500	-	-	-	-	-	-	7,500	0.0
Newsprint and Paper Products	-	-	-	-	12	-	-	12	0.0
Syrup and Molasses	-	-	-	-	-	-	-	-	-
Sugar	624,523	-	-	-	-	-	-	624,523	1.6
Food Products	-	-	-	-	48	-	-	48	0.0
Furnace Slags	849,210	-	-	-	-	-	-	849,210	2.2
Scrap Iron and Steel	109,957	-	-	-	-	-	-	109,957	0.3
Other Manufactures and Misc. (2)	867,086	-	-	-	46,473	56,723	-	970,282	2.5
Total Manufactures and Misc.	7,821,859	-	-	-	58,189	2,512,625	490,440	10,883,113	28.4
GRAND TOTAL	22,794,120	2,250,002	10,173,966	-	58,605	2,512,625	490,440	38,279,758	100.0

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

(2) Includes unclassified cargoes.

TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY 2017

TABLE C3 - Part A

ST. LAWRENCE SEAWAY

NO.	COMMODITY	from: to:	UPBOUND TONNES						TOTAL UPBOUND	% OF TOTAL UP- BOUND
			CANADA		UNITED STATES		FOREIGN			
			Canada	United States	Canada	United States	Canada	United States		
1	Wheat		-	-	-	-	6,789	-	6,789	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		-	-	-	-	-	3	3	0.0
15	Total Agricultural Products		-	-	-	-	6,789	3	6,792	0.1
16	Packing House Products, Edible		-	-	-	-	-	-	-	-
17	Hides, Skins, Pelts, Wool		-	-	-	-	-	-	-	-
18	Other Animal Products		-	-	-	-	-	-	-	-
19	Total Animal Products		-	-	-	-	-	-	-	-
20	Bituminous Coal		-	-	-	-	10,016	5,136	15,152	0.1
21	Coke		-	-	-	-	-	5,196	5,196	0.0
22	Iron Ore	1,876,709	764,380	-	-	-	-	-	2,641,089	21.6
23	Aluminum Ore and Concentrates		-	-	-	-	12,505	-	12,505	0.1
24	Clay and Bentonite		-	-	-	-	-	36,619	36,619	0.3
25	Gravel and Sand		-	-	-	-	-	-	-	-
26	Stone	93,180	85,923	-	-	-	996	-	180,099	1.5
27	Salt	24,282	-	-	-	-	-	3,737	28,019	0.2
28	Potash	-	-	-	-	-	3,700	-	3,700	0.0
29	Gypsum	401,476	39,256	-	-	-	-	-	440,732	3.6
30	Asphalt	9,866	9,884	-	-	-	502	-	20,252	0.2
31	Other Mine Products		-	65,212	-	-	-	32,889	98,101	0.8
32	Total Mine Products	2,405,513	964,655	-	-	-	27,719	83,577	3,481,464	28.4
33	Lumber		-	-	-	-	-	-	-	-
34	Other Forest Products		-	-	-	-	2,950	332	3,282	0.0
35	Total Forest Products		-	-	-	-	2,950	332	3,282	0.0
36	Gasoline	520,405	-	76,902	-	-	182,849	-	780,156	6.4
37	Fuel Oil	608,701	21,751	32,022	-	-	74,724	-	737,198	6.0
38	Other Petroleum Products	8,011	-	49,609	-	-	38,335	-	95,955	0.8
39	Chemicals	-	-	86,365	-	-	394,820	24,513	505,698	4.1
40	Sodium Products	-	-	-	-	-	15,086	-	15,086	0.1
41	Tar, Pitch and Creosote	-	-	11,830	-	-	16,373	-	28,203	0.2
42	Pig Iron	-	13,516	-	-	-	-	151,205	164,721	1.3
43	Iron and Steel	5,148	-	8,943	-	-	996,690	1,427,883	2,438,664	19.9
44	Steel Slabs	-	-	-	-	-	240,798	249,642	490,440	4.0
45	Machinery and Machines	2,372	592	-	-	-	5,192	20,348	28,504	0.2
46	Cement	72,568	720,071	-	-	-	-	65,320	857,959	7.0
47	Cement Clinkers	-	689,261	-	-	-	129,878	-	819,139	6.7
48	Woodpulp	-	-	-	-	-	-	7,500	7,500	0.1
49	Newsprint and Paper Products	-	-	-	-	-	-	12	12	0.0
50	Syrup and Molasses	-	-	-	-	-	-	-	-	-
51	Sugar	135,365	-	-	-	-	436,957	52,201	624,523	5.1
52	Food Products	-	-	-	-	-	-	48	48	0.0
53	Furnace Slags	32,157	160,402	-	-	-	-	92,986	285,545	2.3
54	Scrap Iron and Steel	-	28,537	-	-	-	-	-	28,537	0.2
55	Other Manufactures and Misc. (1)	98,347	293,302	159,521	-	-	231,103	71,299	853,572	7.0
56	Total Manufactures and Misc.	1,483,074	1,927,432	425,192	-	-	2,762,805	2,162,957	8,761,460	71.5
57	GRAND TOTAL	3,888,587	2,892,087	425,192	-	-	2,800,263	2,246,869	12,252,998	100.0

(1) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2017**

TABLE C3 - Part B

ST. LAWRENCE SEAWAY

from: to:	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					
	4,150,930	-	575,516	10,450	-	630,452	5,367,348	20.6	5,374,137	14.0	1
	17,273	-	598,097	29,182	-	165,710	810,262	3.1	810,262	2.1	2
	-	-	-	-	-	-	-	-	-	-	3
	-	-	-	-	-	-	-	-	-	-	4
	-	-	-	-	-	-	-	-	-	-	5
	588,804	-	713,042	-	-	20,905	1,322,751	5.1	1,322,751	3.5	6
	-	-	19,900	-	-	-	19,900	0.1	19,900	0.1	7
	-	-	-	-	-	-	-	-	-	-	8
	1,021,021	-	532,143	398,803	-	446,068	2,398,035	9.2	2,398,035	6.3	9
	43,232	-	56,454	-	-	-	99,686	0.4	99,686	0.3	10
	-	-	38,195	-	-	-	38,195	0.1	38,195	0.1	11
	5,100	-	14,912	-	-	-	20,012	0.1	20,012	0.1	12
	-	-	-	-	-	-	-	-	-	-	13
	-	-	24,032	-	-	66,956	90,988	0.3	90,991	0.2	14
	5,826,360	-	2,572,291	438,435	-	1,330,091	10,167,177	39.1	10,173,969	26.6	15
	-	-	-	-	-	-	-	-	-	-	16
	-	-	-	-	-	-	-	-	-	-	17
	-	-	-	-	-	-	-	-	-	-	18
	-	-	-	-	-	-	-	-	-	-	19
	-	-	-	2,234,850	-	-	2,234,850	8.6	2,250,002	5.9	20
	562,434	-	155,401	594,689	-	281,182	1,593,706	6.1	1,598,902	4.2	21
	24,998	-	-	5,560,600	-	-	5,585,598	21.5	8,226,687	21.5	22
	-	-	-	-	-	-	-	-	12,505	0.0	23
	-	-	-	-	-	35,369	35,369	0.1	71,988	0.2	24
	-	-	-	126,407	-	-	126,407	0.5	126,407	0.3	25
	265,879	-	-	9,083	-	-	274,962	1.1	455,061	1.2	26
	2,476,276	60,459	-	719,193	-	-	3,255,928	12.5	3,283,947	8.6	27
	61,581	23,353	309,558	-	-	-	394,492	1.5	398,192	1.0	28
	-	-	-	-	-	-	-	-	440,732	1.2	29
	93,093	-	-	141,300	-	-	234,393	0.9	254,645	0.7	30
	-	-	-	-	-	-	-	-	98,101	0.3	31
	3,484,261	83,812	464,959	9,386,122	-	316,551	13,735,705	52.8	17,217,169	45.0	32
	2,225	-	-	-	-	-	2,225	0.0	2,225	0.0	33
	-	-	-	-	-	-	-	-	3,282	0.0	34
	2,225	-	-	-	-	-	2,225	0.0	5,507	0.0	35
	95,688	39,909	12,331	-	6,799	-	154,727	0.6	934,883	2.4	36
	594,971	50,760	75,082	-	-	-	720,813	2.8	1,458,011	3.8	37
	14,493	10,078	138,415	74,037	16,090	-	253,113	1.0	349,068	0.9	38
	37,828	49,218	51,720	67,828	-	-	206,594	0.8	712,292	1.9	39
	-	-	-	-	-	-	-	-	15,086	0.0	40
	-	-	21,449	-	-	-	21,449	0.1	49,652	0.1	41
	-	-	-	-	-	-	-	-	164,721	0.4	42
	353	-	333	-	-	-	686	0.0	2,439,350	6.4	43
	-	-	-	-	-	-	-	-	490,440	1.3	44
	-	-	2,100	-	-	376	2,476	0.0	30,980	0.1	45
	-	-	-	-	-	-	-	-	857,959	2.2	46
	-	-	-	-	-	-	-	-	819,139	2.1	47
	-	-	-	-	-	-	-	-	7,500	0.0	48
	-	-	-	-	-	-	-	-	12	0.0	49
	-	-	-	-	-	-	-	-	-	-	50
	-	-	-	-	-	-	-	-	624,523	1.6	51
	-	-	-	-	-	-	-	-	48	0.0	52
	440,780	-	-	122,885	-	-	563,665	2.2	849,210	2.2	53
	15,347	-	66,073	-	-	-	81,420	0.3	109,957	0.3	54
	105,316	1,350	9,512	-	157	375	116,710	0.4	970,282	2.5	55
	1,304,776	151,315	377,015	264,750	23,046	751	2,121,653	8.2	10,883,113	28.4	56
	10,617,622	235,127	3,414,265	10,089,307	23,046	1,647,393	26,026,760	100.0	38,279,758	100.0	57

TRAFFIC BY MAJOR 25 CANADIAN PORTS 2017

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	594	5,304,741	1,794,250	286,757	-	28	418,853	201,028	8,005,657	16.4
Quebec	193	3,725,429	-	812,110	-	-	-	-	4,537,539	9.3
Montreal	121	784,451	-	1,281,288	-	-	-	-	2,065,739	4.2
Toronto	70	1,405,132	-	-	-	-	307	-	1,405,439	2.9
Port Cartier	55	203,510	-	1,061,013	-	-	-	-	1,264,523	2.6
Baie Comeau	44	-	-	1,242,587	-	-	-	-	1,242,587	2.5
Sorel/Tracy	72	104,143	-	1,078,800	-	-	-	-	1,182,943	2.4
Clarkson/Mississauga	71	864,443	102,493	-	-	-	-	-	966,936	2.0
Cote Ste. Catherine	74	673,119	52,059	-	-	2,953	-	-	728,131	1.5
Oakville	68	615,472	-	-	-	-	-	-	615,472	1.3
Johnstown	30	579,197	-	25,955	-	-	4,673	-	609,825	1.2
Valleyfield	120	420,646	-	-	-	4,091	38,757	-	463,494	0.9
Bowmanville	17	358,871	103,839	-	-	-	-	-	462,710	0.9
Becancour	16	177,522	-	242,411	-	-	-	-	419,933	0.9
Nanticoke	40	413,771	-	-	-	-	-	-	413,771	0.8
Oshawa	55	196,893	-	-	-	250	199,163	-	396,306	0.8
Sarnia	39	393,878	-	-	-	-	-	-	393,878	0.8
Picton	13	255,199	61,126	-	-	-	-	-	316,325	0.6
Sydney	11	286,745	-	-	-	-	-	-	286,745	0.6
Sault Ste. Marie	17	5,046	-	-	-	-	218,529	39,770	263,345	0.5
Trois Rivières	15	43,157	83,575	104,011	-	-	-	-	230,743	0.5
Windsor	30	36,369	-	-	-	356	130,453	-	167,178	0.3
Thorold	10	137,746	10,016	-	-	-	-	-	147,762	0.3
Port Weller	8	137,835	-	-	-	-	-	-	137,835	0.3
Belledune	6	133,094	-	-	-	-	-	-	133,094	0.3
Other Canada	220	726,085	37,508	136,652	-	38,194	24,622	-	963,061	2.0
Total Inbound	2,009	17,982,494	2,244,866	6,271,584	-	45,872	1,035,357	240,798	27,820,971	56.9
OUTBOUND:										
Thunder Bay	321	913,132	-	5,978,596	-	-	-	-	6,891,728	14.1
Port Cartier	71	2,008,885	-	-	-	-	-	-	2,008,885	4.1
Hamilton	116	276,507	-	1,447,459	-	-	984	-	1,724,950	3.5
Goderich	80	1,415,726	-	132,638	-	-	-	-	1,548,364	3.2
Windsor	79	1,132,115	-	184,776	-	-	-	-	1,316,891	2.7
Bowmanville	100	1,169,982	-	-	-	-	-	-	1,169,982	2.4
Sarnia	90	633,346	-	448,310	-	-	-	-	1,081,656	2.2
Quebec	52	1,017,788	-	-	-	-	-	-	1,017,788	2.1
Montreal	114	885,963	-	-	-	-	-	-	885,963	1.8
Nanticoke	58	794,556	-	-	-	-	-	-	794,556	1.6
Sept Îles	52	333,458	-	-	-	-	-	-	333,458	0.7
Halifax	11	277,421	-	-	-	-	-	-	277,421	0.6
Sorel/Tracy	20	271,447	-	-	-	-	-	-	271,447	0.6
Bruce Mines	14	231,087	-	-	-	-	-	-	231,087	0.5
Johnstown	13	-	-	174,628	-	-	-	-	174,628	0.4
Bath	31	160,992	-	-	-	-	-	-	160,992	0.3
Valleyfield	62	123,556	-	-	-	24,818	1,951	-	150,325	0.3
Ramey's Bend	7	85,923	-	32,244	-	-	-	-	118,167	0.2
Sault Ste. Marie	6	113,652	-	-	-	-	-	-	113,652	0.2
Cote Ste. Catherine	85	97,658	-	-	-	13,908	-	-	111,566	0.2
Long Pond	8	93,180	-	-	-	-	-	-	93,180	0.2
Clarkson/Mississauga	18	92,222	-	-	-	-	-	-	92,222	0.2
Come by Chance	11	90,868	-	-	-	-	-	-	90,868	0.2
Picton	12	78,358	-	-	-	-	-	-	78,358	0.2
Port Daniel	6	72,568	-	-	-	-	-	-	72,568	0.1
Other Canada	81	231,477	-	-	-	5,030	479	-	236,986	0.5
Total Outbound	1,518	12,601,867	-	8,398,651	-	43,756	3,414	-	21,047,688	43.1

(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) 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 2017

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:										
Burns Harbour	113	727,875	-	-	-	8	144,951	186,502	1,059,336	6.0
Detroit	196	760,093	-	-	-	157	241,216	42,603	1,044,069	5.9
Cleveland	366	567,397	-	-	-	10,891	386,878	-	965,166	5.5
Chicago	195	96,211	-	-	-	-	502,617	20,537	619,365	3.5
Toledo	68	439,463	-	-	-	-	5,034	-	444,497	2.5
Ashtabula	15	259,704	-	-	-	-	-	-	259,704	1.5
Milwaukee	66	-	-	-	-	38	156,268	-	156,306	0.9
Duluth	14	94,734	-	-	-	117	6,576	-	101,427	0.6
Oswego	19	83,103	-	-	-	-	-	-	83,103	0.5
Buffalo	14	77,127	-	-	-	-	-	-	77,127	0.4
Indiana Harbour	3	69,035	-	-	-	-	-	-	69,035	0.4
Ogdensburg	4	60,459	-	-	-	-	-	-	60,459	0.3
Erie	4	51,401	-	-	-	-	192	-	51,593	0.3
New York City	4	50,174	-	-	-	-	-	-	50,174	0.3
Conneaut	2	44,259	-	-	-	-	-	-	44,259	0.3
Charlevoix	2	39,256	-	-	-	-	-	-	39,256	0.2
Portland	3	38,003	-	-	-	-	-	-	38,003	0.2
Detroit (IL)	3	19,500	-	-	-	-	17,538	-	37,038	0.2
Houston	3	33,317	-	-	-	-	-	-	33,317	0.2
Gary	1	28,779	-	-	-	-	-	-	28,779	0.2
Lorain	1	28,729	-	-	-	-	-	-	28,729	0.2
Paulsboro	2	26,163	-	-	-	-	-	-	26,163	0.1
Newington	1	13,098	-	-	-	-	-	-	13,098	0.1
Menominee	5	12,280	-	-	-	-	-	-	12,280	0.1
Marinette	2	7,011	5,136	-	-	-	-	-	12,147	0.1
Other U.S. Ports	20	29,057	-	-	-	-	13,642	-	42,699	0.2
Total Inbound	1,126	3,656,228	5,136	-	-	11,211	1,474,912	249,642	5,397,129	30.7
OUTBOUND:										
Superior	91	2,343,542	-	87,057	-	-	-	-	2,430,599	13.8
Duluth	93	1,271,108	-	616,701	-	-	220	-	1,888,029	10.7
Toledo	86	286,515	887,593	713,250	-	-	-	-	1,887,358	10.7
Two Harbours	64	1,778,807	-	-	-	-	-	-	1,778,807	10.1
Sandusky	85	176,910	1,316,953	-	-	-	-	-	1,493,863	8.5
Cleveland	50	549,375	-	-	-	500	72	-	549,947	3.1
Chicago	15	51,368	30,304	114,341	-	-	-	-	196,013	1.1
Milwaukee	11	-	-	192,035	-	-	-	-	192,035	1.1
Detroit	28	189,924	-	-	-	-	-	-	189,924	1.1
Gary	6	169,083	-	-	-	-	-	-	169,083	1.0
Fairport Harbour	9	165,784	-	-	-	-	-	-	165,784	0.9
Ashtabula	6	158,607	-	-	-	-	-	-	158,607	0.9
Lorain	8	144,130	-	-	-	-	-	-	144,130	0.8
Silver Bay	5	134,438	-	-	-	-	-	-	134,438	0.8
Brevort	5	117,347	-	-	-	-	-	-	117,347	0.7
Tampa	8	98,257	-	-	-	-	-	-	98,257	0.6
Burns Harbour	4	47,810	-	35,114	-	-	-	-	82,924	0.5
Green Bay	14	74,037	-	-	-	-	-	-	74,037	0.4
Ludington	10	67,828	-	-	-	-	-	-	67,828	0.4
New York City	5	53,753	-	-	-	-	-	-	53,753	0.3
Donaldsonville	4	48,070	-	-	-	-	-	-	48,070	0.3
New Orleans	4	41,204	-	-	-	-	-	-	41,204	0.2
Morehead City	2	34,654	-	-	-	-	-	-	34,654	0.2
Indiana Harbour	1	28,808	-	-	-	-	-	-	28,808	0.2
Newark	2	23,149	-	-	-	-	-	-	23,149	0.1
Other U.S. Ports	16	117,319	-	10,028	-	-	8,943	-	136,290	0.8
Total Outbound	632	8,171,827	2,234,850	1,768,526	-	500	9,235	-	12,184,938	69.3

(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
1998 - 2017

TABLE C6

ST. LAWRENCE SEAWAY

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
1998	2,209	2,157	4,366	26,183,719	24,947,562	51,131,281	27,072,903	26,285,213	53,358,116
1999	2,342	2,314	4,656	23,244,713	24,614,650	47,859,363	24,341,426	24,040,344	48,381,770
2000	2,106	2,079	4,185	22,612,033	23,961,411	46,573,444	23,309,675	22,954,852	46,264,527
2001	2,057	2,028	4,085	19,234,141	22,471,184	41,705,325	21,927,563	21,626,296	43,553,859
2002	1,949	1,942	3,891	20,374,620	21,013,630	41,388,250	21,504,691	21,304,198	42,808,889
2003	1,948	1,938	3,886	19,829,065	21,018,744	40,847,809	20,609,519	20,372,407	40,981,926
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
TOTAL	41,684	40,516	82,200	343,591,724	474,000,346	817,592,070	452,947,849	448,092,134	901,039,983

**CARGO BY TARIFF CLASSIFICATION
1998 - 2017**

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	%	
1998	30,638,868	59.9	N/A	-	13,452,842	26.3	30,828	0.1	5,211	0.0	7,003,532	13.7	N/A	-	51,131,281
1999	24,563,155	51.3	4 541 600	9.5	14,084,611	29.4	80,692	0.2	11,573	0.0	4,165,674	8.7	412 058	0.9	47,859,363
2000	23,933,895	51.4	4 345 503	9.3	13,199,859	28.3	9,655	0.0	19,521	0.0	4,703,411	10.1	361 600	0.8	46,573,444
2001	22,087,887	53.0	4,803,620	11.5	11,792,163	28.3	-	-	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
TOTAL	476,851,806	58.3	70,973,601	8.7	208,661,406	25.5	165,899	0.0	607,245	0.1	53,385,977	6.5	6,946,136	0.8	817,592,070

(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 2017

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	325	18	343	5,684,973	1,507,889	15,152	6,789	-	14,349	2,508,919	490,440	4,543,538	15.8
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	119	11	130	1,482,169	1,296,839	-	-	-	-	-	-	1,296,839	4.5
	Total Ocean	444	29	473	7,167,142	2,804,728	15,152	6,789	-	14,349	2,508,919	490,440	5,840,377	20.3
Laker:	Cargo	181	333	514	9,820,401	3,769,996	-	-	-	5,030	-	-	3,775,026	13.1
	Barge	40	39	79	434,004	267,346	-	-	-	-	-	-	267,346	0.9
	Tanker	88	18	106	1,018,783	791,400	-	-	-	-	-	-	791,400	2.8
	Total Laker	309	390	699	11,273,188	4,828,742	-	-	-	5,030	-	-	4,833,772	16.8
Non-Cargo		-	206	206	73,371	-	-	-	-	-	-	-	-	-
	Passenger	26	8	34	54,041	-	-	-	-	-	-	-	-	-
Total Upbound		779	633	1,412	18,567,742	7,633,470	15,152	6,789	-	19,379	2,508,919	490,440	10,674,149	37.1
DOWNBOUND:														
Ocean:	Cargo	285	57	342	5,664,061	864,500	-	3,912,832	-	1,522	3,706	-	4,782,560	16.6
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	63	66	129	1,470,923	546,482	-	-	-	-	-	-	546,482	1.9
	Total Ocean	348	123	471	7,134,984	1,410,982	-	3,912,832	-	1,522	3,706	-	5,329,042	18.5
Laker:	Cargo	491	21	512	9,807,174	5,850,815	173,142	5,841,047	-	37,704	-	-	11,902,708	41.4
	Barge	63	17	80	472,997	384,911	-	100,586	-	-	-	-	485,497	1.7
	Tanker	38	68	106	1,018,783	380,064	-	-	-	-	-	-	380,064	1.3
	Total Laker	592	106	698	11,298,954	6,615,790	173,142	5,941,633	-	37,704	-	-	12,768,269	44.4
Non-Cargo		-	210	210	84,593	-	-	-	-	-	-	-	-	-
	Passenger	27	4	31	53,776	-	-	-	-	-	-	-	-	-
Total Downbound		967	443	1,410	18,572,307	8,026,772	173,142	9,854,465	-	39,226	3,706	-	18,097,311	62.9
TOTALS:														
Ocean:	Cargo	610	75	685	11,349,034	2,372,389	15,152	3,919,621	-	15,871	2,512,625	490,440	9,326,098	32.4
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	182	77	259	2,953,092	1,843,321	-	-	-	-	-	-	1,843,321	6.4
	Total Ocean	792	152	944	14,302,126	4,215,710	15,152	3,919,621	-	15,871	2,512,625	490,440	11,169,419	38.8
Laker:	Cargo	672	354	1,026	19,627,575	9,620,811	173,142	5,841,047	-	42,734	-	-	15,677,734	54.5
	Barge	103	56	159	907,001	652,257	-	100,586	-	-	-	-	752,843	2.6
	Tanker	126	86	212	2,037,566	1,171,464	-	-	-	-	-	-	1,171,464	4.1
	Total Laker	901	496	1,397	22,572,142	11,444,532	173,142	5,941,633	-	42,734	-	-	17,602,041	61.2
Non-Cargo		-	416	416	157,964	-	-	-	-	-	-	-	-	-
	Passenger	53	12	65	107,817	-	-	-	-	-	-	-	-	-
GRAND TOTAL		1,746	1,076	2,822	37,140,049	15,660,242	188,294	9,861,254	-	58,605	2,512,625	490,440	28,771,460	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
2017**

TABLE M2

MONTREAL-LAKE ONTARIO SECTION

COMMODITY	CARGO TONNES								% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	
Wheat	-	-	5,243,556	-	-	-	-	5,243,556	18.2
Corn	-	-	784,307	-	-	-	-	784,307	2.7
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Canola (Rapeseed)	-	-	1,166,575	-	-	-	-	1,166,575	4.1
Canola Meal, Pellets	-	-	19,900	-	-	-	-	19,900	0.1
Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-	-
Soybeans	-	-	2,398,035	-	-	-	-	2,398,035	8.3
Soybean Oil Cake, Meal, Pellets	-	-	99,686	-	-	-	-	99,686	0.3
Beans and Peas	-	-	38,195	-	-	-	-	38,195	0.1
Flaxseed	-	-	20,012	-	-	-	-	20,012	0.1
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	90,988	-	3	-	-	90,991	0.3
Total Agricultural Products	-	-	9,861,254	-	3	-	-	9,861,257	34.3
Packing House Products, Edible	-	-	-	-	-	-	-	-	-
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	-	-	-	-	-	-	-	-	-
Total Animal Products	-	-	-	-	-	-	-	-	-
Bituminous Coal	-	188,294	-	-	-	-	-	188,294	0.7
Coke	1,256,139	-	-	-	-	-	-	1,256,139	4.4
Iron Ore	6,361,732	-	-	-	-	-	-	6,361,732	22.1
Aluminum Ore and Concentrates	12,505	-	-	-	-	-	-	12,505	0.0
Clay and Bentonite	71,947	-	-	-	41	-	-	71,988	0.3
Gravel and Sand	-	-	-	-	-	-	-	-	-
Stone	94,176	-	-	-	-	-	-	94,176	0.3
Salt	1,116,323	-	-	-	-	-	-	1,116,323	3.9
Potash	345,083	-	-	-	-	-	-	345,083	1.2
Gypsum	440,732	-	-	-	-	-	-	440,732	1.5
Asphalt	145,183	-	-	-	-	-	-	145,183	0.5
Other Mine Products	98,061	-	-	-	40	-	-	98,101	0.3
Total Mine Products	9,941,881	188,294	-	-	81	-	-	10,130,256	35.2
Lumber	2,225	-	-	-	-	-	-	2,225	0.0
Other Forest Products	2,950	-	-	-	332	-	-	3,282	0.0
Total Forest Products	5,175	-	-	-	332	-	-	5,507	0.0
Gasoline	871,006	-	-	-	-	-	-	871,006	3.0
Fuel Oil	1,401,029	-	-	-	-	-	-	1,401,029	4.9
Other Petroleum Products	338,547	-	-	-	-	-	-	338,547	1.2
Chemicals	649,270	-	-	-	5,693	-	-	654,963	2.3
Sodium Products	15,086	-	-	-	-	-	-	15,086	0.1
Tar, Pitch and Creosote	49,652	-	-	-	-	-	-	49,652	0.2
Pig Iron	164,721	-	-	-	-	-	-	164,721	0.6
Iron and Steel	5,501	-	-	-	130	2,433,719	-	2,439,350	8.5
Steel Slabs	-	-	-	-	-	-	490,440	490,440	1.7
Machinery and Machines	2,372	-	-	-	5,833	22,183	-	30,388	0.1
Cement	137,888	-	-	-	-	-	-	137,888	0.5
Cement Clinkers	129,878	-	-	-	-	-	-	129,878	0.5
Woodpulp	7,500	-	-	-	-	-	-	7,500	0.0
Newsprint and Paper Products	-	-	-	-	12	-	-	12	0.0
Syrup and Molasses	-	-	-	-	-	-	-	-	-
Sugar	624,523	-	-	-	-	-	-	624,523	2.2
Food Products	-	-	-	-	48	-	-	48	0.0
Furnace Slags	367,707	-	-	-	-	-	-	367,707	1.3
Scrap Iron and Steel	81,420	-	-	-	-	-	-	81,420	0.3
Other Manufactures and Misc. (2)	867,086	-	-	-	46,473	56,723	-	970,282	3.4
Total Manufactures and Misc.	5,713,186	-	-	-	58,189	2,512,625	490,440	8,774,440	30.5
GRAND TOTAL	15,660,242	188,294	9,861,254	-	58,605	2,512,625	490,440	28,771,460	100.0

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

(2) Includes unclassified cargoes.

TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY 2017

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	-	-	-	-	6,789	-	6,789	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	-	-	-	-	-	3	3	0.0			
15	Total Agricultural Products	-	-	-	-	6,789	3	6,792	0.1			
16	Packing House Products, Edible	-	-	-	-	-	-	-	-			
17	Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-			
18	Other Animal Products	-	-	-	-	-	-	-	-			
19	Total Animal Products	-	-	-	-	-	-	-	-			
20	Bituminous Coal	-	-	-	-	10,016	5,136	15,152	0.1			
21	Coke	-	-	-	-	-	5,196	5,196	0.0			
22	Iron Ore	1,876,709	764,380	-	-	-	-	2,641,089	24.7			
23	Aluminum Ore and Concentrates	-	-	-	-	12,505	-	12,505	0.1			
24	Clay and Bentonite	-	-	-	-	-	36,619	36,619	0.3			
25	Gravel and Sand	-	-	-	-	-	-	-	-			
26	Stone	93,180	-	-	-	996	-	94,176	0.9			
27	Salt	24,282	-	-	-	-	3,737	28,019	0.3			
28	Potash	-	-	-	-	3,700	-	3,700	0.0			
29	Gypsum	401,476	39,256	-	-	-	-	440,732	4.1			
30	Asphalt	9,866	9,884	-	-	502	-	20,252	0.2			
31	Other Mine Products	-	65,212	-	-	-	32,889	98,101	0.9			
32	Total Mine Products	2,405,513	878,732	-	-	27,719	83,577	3,395,541	31.8			
33	Lumber	-	-	-	-	-	-	-	-			
34	Other Forest Products	-	-	-	-	2,950	332	3,282	0.0			
35	Total Forest Products	-	-	-	-	2,950	332	3,282	0.0			
36	Gasoline	520,405	-	76,902	-	182,849	-	780,156	7.3			
37	Fuel Oil	608,701	21,751	32,022	-	74,724	-	737,198	6.9			
38	Other Petroleum Products	8,011	-	49,609	-	38,335	-	95,955	0.9			
39	Chemicals	-	-	86,365	-	394,820	24,513	505,698	4.7			
40	Sodium Products	-	-	-	-	15,086	-	15,086	0.1			
41	Tar, Pitch and Creosote	-	-	11,830	-	16,373	-	28,203	0.3			
42	Pig Iron	-	13,516	-	-	-	151,205	164,721	1.5			
43	Iron and Steel	5,148	-	8,943	-	996,690	1,427,883	2,438,664	22.8			
44	Steel Slabs	-	-	-	-	240,798	249,642	490,440	4.6			
45	Machinery and Machines	2,372	-	-	-	5,192	20,348	27,912	0.3			
46	Cement	72,568	-	-	-	-	65,320	137,888	1.3			
47	Cement Clinkers	-	-	-	-	129,878	-	129,878	1.2			
48	Woodpulp	-	-	-	-	-	7,500	7,500	0.1			
49	Newsprint and Paper Products	-	-	-	-	-	12	12	0.0			
50	Syrup and Molasses	-	-	-	-	-	-	-	-			
51	Sugar	135,365	-	-	-	436,957	52,201	624,523	5.9			
52	Food Products	-	-	-	-	-	48	48	0.0			
53	Furnace Slags	32,157	105,937	-	-	-	92,986	231,080	2.2			
54	Scrap Iron and Steel	-	-	-	-	-	-	-	-			
55	Other Manufactures and Misc. (1)	98,347	293,302	159,521	-	231,103	71,299	853,572	8.0			
56	Total Manufactures and Misc.	1,483,074	434,506	425,192	-	2,762,805	2,162,957	7,268,534	68.1			
57	GRAND TOTAL	3,888,587	1,313,238	425,192	-	2,800,263	2,246,869	10,674,149	100.0			

(1) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2017**

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					
4,020,349	-	575,516	10,450	-	630,452	5,236,767	28.9	5,243,556	18.2	1
17,273	-	598,097	3,227	-	165,710	784,307	4.3	784,307	2.7	2
-	-	-	-	-	-	-	-	-	-	3
-	-	-	-	-	-	-	-	-	-	4
-	-	-	-	-	-	-	-	-	-	5
432,628	-	713,042	-	-	20,905	1,166,575	6.4	1,166,575	4.1	6
-	-	19,900	-	-	-	19,900	0.1	19,900	0.1	7
-	-	-	-	-	-	-	-	-	-	8
1,021,021	-	532,143	398,803	-	446,068	2,398,035	13.3	2,398,035	8.3	9
43,232	-	56,454	-	-	-	99,686	0.6	99,686	0.3	10
-	-	38,195	-	-	-	38,195	0.2	38,195	0.1	11
5,100	-	14,912	-	-	-	20,012	0.1	20,012	0.1	12
-	-	-	-	-	-	-	-	-	-	13
-	-	24,032	-	-	66,956	90,988	0.5	90,991	0.3	14
5,539,603	-	2,572,291	412,480	-	1,330,091	9,854,465	54.5	9,861,257	34.3	15
-	-	-	-	-	-	-	-	-	-	16
-	-	-	-	-	-	-	-	-	-	17
-	-	-	-	-	-	-	-	-	-	18
-	-	-	-	-	-	-	-	-	-	19
-	-	-	173,142	-	-	173,142	1.0	188,294	0.7	20
541,644	-	155,401	272,716	-	281,182	1,250,943	6.9	1,256,139	4.4	21
24,998	-	-	3,695,645	-	-	3,720,643	20.6	6,361,732	22.1	22
-	-	-	-	-	-	-	-	12,505	0.0	23
-	-	-	-	-	35,369	35,369	0.2	71,988	0.3	24
-	-	-	-	-	-	-	-	-	-	25
-	-	-	-	-	-	-	-	94,176	0.3	26
882,533	-	-	205,771	-	-	1,088,304	6.0	1,116,323	3.9	27
21,044	10,781	309,558	-	-	-	341,383	1.9	345,083	1.2	28
-	-	-	-	-	-	-	-	440,732	1.5	29
60,377	-	-	64,554	-	-	124,931	0.7	145,183	0.5	30
-	-	-	-	-	-	-	-	98,101	0.3	31
1,530,596	10,781	464,959	4,411,828	-	316,551	6,734,715	37.2	10,130,256	35.2	32
2,225	-	-	-	-	-	2,225	0.0	2,225	0.0	33
-	-	-	-	-	-	-	-	3,282	0.0	34
2,225	-	-	-	-	-	2,225	0.0	5,507	0.0	35
31,811	39,909	12,331	-	6,799	-	90,850	0.5	871,006	3.0	36
537,989	50,760	75,082	-	-	-	663,831	3.7	1,401,029	4.9	37
3,972	10,078	138,415	74,037	16,090	-	242,592	1.3	338,547	1.2	38
11,134	49,218	51,720	37,193	-	-	149,265	0.8	654,963	2.3	39
-	-	-	-	-	-	-	-	15,086	0.1	40
-	-	21,449	-	-	-	21,449	0.1	49,652	0.2	41
-	-	-	-	-	-	-	-	164,721	0.6	42
353	-	333	-	-	-	686	0.0	2,439,350	8.5	43
-	-	-	-	-	-	-	-	490,440	1.7	44
-	-	2,100	-	-	376	2,476	0.0	30,388	0.1	45
-	-	-	-	-	-	-	-	137,888	0.5	46
-	-	-	-	-	-	-	-	129,878	0.5	47
-	-	-	-	-	-	-	-	7,500	0.0	48
-	-	-	-	-	-	-	-	12	0.0	49
-	-	-	-	-	-	-	-	-	-	50
-	-	-	-	-	-	-	-	624,523	2.2	51
-	-	-	-	-	-	-	-	48	0.0	52
136,627	-	-	-	-	-	136,627	0.8	367,707	1.3	53
15,347	-	66,073	-	-	-	81,420	0.4	81,420	0.3	54
105,316	1,350	9,512	-	157	375	116,710	0.6	970,282	3.4	55
842,549	151,315	377,015	111,230	23,046	751	1,505,906	8.3	8,774,440	30.5	56
7,914,973	162,096	3,414,265	4,935,538	23,046	1,647,393	18,097,311	100.0	28,771,460	100.0	57

**TRAFFIC BY MONTH AND TYPE OF CARGO
2017**

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	8	14	22	323,547	110,530	-	-	-	-	20,400	-	130,930	0.5
April	65	65	130	1,964,946	599,738	-	-	-	943	275,087	61,789	937,557	3.3
May	84	47	131	1,732,627	817,197	-	-	-	1,028	237,792	40,339	1,096,356	3.8
June	98	64	162	2,083,196	1,022,908	5,136	6,789	-	1,654	361,077	-	1,397,564	4.9
July	92	71	163	1,961,428	847,183	-	-	-	1,940	243,694	99,453	1,192,270	4.1
August	84	81	165	2,048,882	682,886	-	-	-	4,201	336,480	81,156	1,104,723	3.8
September	89	63	152	1,929,539	803,440	-	-	-	2,659	240,017	84,227	1,130,343	3.9
October	105	69	174	2,382,233	1,167,963	-	-	-	1,967	252,379	41,994	1,464,303	5.1
November	100	81	181	2,584,811	939,729	10,016	-	-	2,906	409,905	81,482	1,444,038	5.0
December	54	77	131	1,556,043	641,896	-	-	-	2,081	132,088	-	776,065	2.7
January	-	1	1	490	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Upbound	779	633	1,412	18,567,742	7,633,470	15,152	6,789	-	19,379	2,508,919	490,440	10,674,149	37.1
DOWNBOUND:													
March	13	7	20	179,128	114,363	-	89,923	-	-	-	-	204,286	0.7
April	87	18	105	1,618,234	967,702	-	799,589	-	-	-	-	1,767,291	6.1
May	97	38	135	1,810,741	670,075	9,582	1,069,565	-	385	78	-	1,749,685	6.1
June	102	47	149	1,942,565	1,029,202	27,597	846,314	-	7,784	13	-	1,910,910	6.6
July	100	70	170	2,061,851	915,204	30,304	982,502	-	4,733	366	-	1,933,109	6.7
August	106	53	159	1,942,964	1,082,959	38,941	755,628	-	13,344	704	-	1,891,576	6.6
September	110	56	166	2,130,345	906,301	27,475	934,406	-	8,458	2,043	-	1,878,683	6.5
October	120	50	170	2,296,608	785,473	21,755	1,482,530	-	4,225	38	-	2,294,021	8.0
November	121	44	165	2,304,999	797,811	10,555	1,584,899	-	189	21	-	2,393,475	8.3
December	111	58	169	2,274,755	757,682	6,933	1,309,109	-	108	443	-	2,074,275	7.2
January	-	2	2	10,117	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Downbound	967	443	1,410	18,572,307	8,026,772	173,142	9,854,465	-	39,226	3,706	-	18,097,311	62.9
TOTALS:													
March	21	21	42	502,675	224,893	-	89,923	-	-	20,400	-	335,216	1.2
April	152	83	235	3,583,180	1,567,440	-	799,589	-	943	275,087	61,789	2,704,848	9.4
May	181	85	266	3,543,368	1,487,272	9,582	1,069,565	-	1,413	237,870	40,339	2,846,041	9.9
June	200	111	311	4,025,761	2,052,110	32,733	853,103	-	9,438	361,090	-	3,308,474	11.5
July	192	141	333	4,023,279	1,762,387	30,304	982,502	-	6,673	244,060	99,453	3,125,379	10.9
August	190	134	324	3,991,846	1,765,845	38,941	755,628	-	17,545	337,184	81,156	2,996,299	10.4
September	199	119	318	4,059,884	1,709,741	27,475	934,406	-	11,117	242,060	84,227	3,009,026	10.5
October	225	119	344	4,678,841	1,953,436	21,755	1,482,530	-	6,192	252,417	41,994	3,758,324	13.1
November	221	125	346	4,889,810	1,737,540	20,571	1,584,899	-	3,095	409,926	81,482	3,837,513	13.3
December	165	135	300	3,830,798	1,399,578	6,933	1,309,109	-	2,189	132,531	-	2,850,340	9.9
January	-	3	3	10,607	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	1,746	1,076	2,822	37,140,049	15,660,242	188,294	9,861,254	-	58,605	2,512,625	490,440	28,771,460	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
1998 - 2017

TABLE M5

MONTREAL-LAKE ONTARIO SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
1998	1,576	1,582	3,158	18,853,653	18,047,570	36,901,223	18,471,686	18,533,642	37,005,328
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
TOTAL	27,655	27,747	55,402	297,850,173	320,828,040	618,678,213	332,502,088	332,533,649	665,035,737

**CARGO BY TARIFF CLASSIFICATION
1998 - 2017**

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	%	
1998	19,243,487	49.0	N/A	-	12,963,846	33.0	30,828	0.1	5,211	0.0	7,002,537	17.8	N/A	-	39,245,909
1999	17,923,481	49.2	266,364	0.7	13,552,844	37.2	80,692	0.2	11,573	0.0	4,164,599	11.4	412,058	1.1	36,411,611
2000	17,474,021	49.4	334,489	0.9	12,503,515	35.3	9,655	0.0	19,521	0.1	4,703,411	13.3	361,600	1.0	35,406,212
2001	15,687,342	51.8	407,336	1.3	11,161,951	36.9	-	-	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
TOTAL	331,223,649	54.4	15,202,098	2.5	201,352,400	33.1	165,899	0.0	607,245	0.1	53,380,828	8.8	6,896,080	1.1	608,828,199

(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
1998 - 2017**

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
1998	22,569,978	1,309	267	1,576	16,675,931	1,001	581	1,582	39,245,909	2,310	848	3,158
1999	19,594,116	1,166	424	1,590	16,817,495	987	591	1,578	36,411,611	2,153	1,015	3,168
2000	19,168,176	1,145	340	1,485	16,238,036	994	498	1,492	35,406,212	2,139	838	2,977
2001	15,583,223	971	322	1,293	14,694,601	896	399	1,295	30,277,824	1,867	721	2,588
2002	16,904,264	1,022	278	1,300	13,098,028	796	516	1,312	30,002,292	1,818	794	2,612
2003	16,436,399	967	324	1,291	12,464,041	768	520	1,288	28,900,440	1,735	844	2,579
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
TOTAL	289,796,179	18,094	9,561	27,655	319,032,020	18,539	9,208	27,747	608,828,199	36,633	18,769	55,402

COMMODITY GROUPS
1998 - 2017

TABLE M8

MONTREAL-LAKE ONTARIO SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1998	12,964,357	33.0	34,885	0.1	14,724,161	37.5	1,456	0.0	11,521,050	29.4	39,245,909
1999	13,637,630	37.5	35,318	0.1	14,239,776	39.1	1,526	0.0	8,497,361	23.3	36,411,611
2000	12,513,041	35.3	38,240	0.1	13,978,179	39.5	7,477	0.0	8,869,275	25.1	35,406,212
2001	11,170,044	36.9	25,452	0.1	12,104,055	40.0	21,183	0.1	6,957,090	23.0	30,277,824
2002	9,889,299	33.0	31,251	0.1	11,933,604	39.8	98,953	0.3	8,049,185	26.8	30,002,292
2003	9,201,438	31.8	31,849	0.1	12,799,316	44.3	70,476	0.2	6,797,361	23.5	28,900,440
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
TOTAL	201,638,177	33.1	329,863	0.1	255,629,767	42.0	434,793	0.1	150,795,599	24.8	608,828,199

**U.S. GRAINS
1998 - 2017**

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
1998	2,063,314	33.7	1,903,585	31.1	-	-	N/A	-	46,303	0.8	1,685,201	27.5	8,856	0.1	411,646	6.7	6,118,905
1999	1,625,184	24.6	2,632,760	39.8	-	-	-	-	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
TOTAL	29,150,973	43.6	13,252,754	19.8	20,959	0.0	324,434	0.5	339,481	0.5	19,792,086	29.6	528,457	0.8	3,501,180	5.2	66,910,324

CANADIAN GRAINS
1998 - 2017

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
1998	4,588,263	68.1	46,054	0.7	3,168	0.0	N/A	-	31,946	0.5	366,538	5.4	491,617	7.3	1,207,790	17.9	6,735,376
1999	4,742,337	68.5	394,025	5.7	8,482	0.1	243,358	3.5	85,495	1.2	384,012	5.5	221,353	3.2	848,876	12.3	6,927,938
2000	4,511,696	66.5	155,668	2.3	11,679	0.2	274,822	4.1	5,749	0.1	304,019	4.5	458,601	6.8	1,062,202	15.7	6,784,436
2001	4,380,974	71.8	54,660	0.9	9,407	0.2	321,964	5.3	32,908	0.5	231,211	3.8	475,014	7.8	599,723	9.8	6,105,861
2002	3,993,735	71.8	97,757	1.8	32,344	0.6	210,181	3.8	115,963	2.1	391,679	7.0	534,353	9.6	182,779	3.3	5,558,791
2003	4,386,858	75.9	5,399	0.1	42,534	0.7	278,592	4.8	46,615	0.8	339,687	5.9	454,788	7.9	228,150	3.9	5,782,623
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
TOTAL	91,389,999	68.2	4,456,592	3.3	231,873	0.2	8,809,855	6.6	362,328	0.3	14,438,198	10.8	5,743,902	4.3	8,481,475	6.3	133,914,222

SELECTED MINING COMMODITIES

1998 - 2017

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	%	
1998	191,356	1.3	624,131	4.2	11,104,515	75.4	250,534	1.7	-	-	559,951	3.8	732,983	5.0	1,260,691	8.6	14,724,161
1999	266,364	1.9	566,637	4.0	10,686,169	75.0	176,461	1.2	21,010	0.1	313,953	2.2	745,098	5.2	1,464,084	10.3	14,239,776
2000	334,489	2.4	931,110	6.7	10,167,877	72.7	161,835	1.2	4,072	0.0	359,032	2.6	657,137	4.7	1,362,627	9.7	13,978,179
2001	407,336	3.4	753,722	6.2	8,386,036	69.3	84,269	0.7	12,982	0.1	299,277	2.5	891,450	7.4	1,268,983	10.5	12,104,055
2002	336,425	2.8	847,622	7.1	8,166,897	68.4	110,613	0.9	24,405	0.2	323,541	2.7	853,795	7.2	1,270,306	10.6	11,933,604
2003	214,728	1.7	680,875	5.3	9,259,086	72.3	109,485	0.9	3,050	0.0	272,054	2.1	766,237	6.0	1,493,801	11.7	12,799,316
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
TOTAL	15,393,454	6.0	22,029,257	8.6	164,375,477	64.3	2,288,633	0.9	142,389	0.1	6,264,037	2.5	21,038,799	8.2	24,097,721	9.4	255,629,767

SELECTED PROCESSED COMMODITIES
1998 - 2017

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	%
1998	372,054	3.2	1,086,624	9.4	677,309	5.9	126,097	1.1	272,545	2.4	6,909,049	60.0	38,869	0.3	80,847	0.7	1,957,656	17.0
1999	331,133	3.9	782,463	9.2	405,651	4.8	148,298	1.7	306,157	3.6	4,317,382	50.8	11,415	0.1	96,160	1.1	2,098,702	24.7
2000	376,158	4.2	674,597	7.6	546,984	6.2	150,169	1.7	212,512	2.4	4,881,723	55.0	30,865	0.3	37,787	0.4	1,958,480	22.1
2001	695,875	10.0	826,001	11.9	502,435	7.2	84,617	1.2	219,545	3.2	2,896,389	41.6	8,810	0.1	-	-	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	1,807,221	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
TOTAL	11,903,906	7.9	19,130,071	12.7	12,783,315	8.5	832,668	0.6	3,747,468	2.5	58,015,289	38.5	1,272,999	0.8	2,346,678	1.6	40,763,205	27.0

(1) Includes steel slabs but excludes domestic general and domestic slabs.

PART IV

ST. LAWRENCE SEAWAY

TOLL TRAFFIC

FOR THE

WELLAND CANAL SECTION

TRAFFIC BY CLASS AND TYPE OF VESSEL 2017

TABLE W1

WELLAND CANAL SECTION

CLASS AND TYPE OF VESSEL		VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES								
		Loaded	Ballast	Total		Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	%
UPBOUND:														
Ocean:	Cargo	229	46	275	4,436,732	537,809	15,152	6,789	-	12,057	1,847,166	289,412	2,708,385	9.0
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	42	20	62	718,653	477,778	-	-	-	-	-	-	477,778	1.6
	Total Ocean	271	66	337	5,155,385	1,015,587	15,152	6,789	-	12,057	1,847,166	289,412	3,186,163	10.5
Laker:	Cargo	120	651	771	14,526,091	1,944,837	-	-	-	-	-	-	1,944,837	6.4
	Barge	91	87	178	1,358,834	920,319	-	-	-	-	-	-	920,319	3.0
	Tanker	34	38	72	739,051	310,936	-	-	-	-	-	-	310,936	1.0
	Total Laker	245	776	1,021	16,623,976	3,176,092	-	-	-	-	-	-	3,176,092	10.5
Non-Cargo		-	236	236	126,075	-	-	-	-	-	-	-	-	-
	Passenger	21	1	22	94,311	-	-	-	-	-	-	-	-	-
Total Upbound		537	1,079	1,616	21,999,747	4,191,679	15,152	6,789	-	12,057	1,847,166	289,412	6,362,255	21.1
DOWNBOUND:														
Ocean:	Cargo	221	53	274	4,427,137	792,250	-	3,004,089	-	500	292	-	3,797,131	12.6
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	37	25	62	718,653	360,390	-	-	-	-	-	-	360,390	1.2
	Total Ocean	258	78	336	5,145,790	1,152,640	-	3,004,089	-	500	292	-	4,157,521	13.8
Laker:	Cargo	720	52	772	14,551,990	10,714,846	2,230,916	5,437,652	-	-	-	-	18,383,414	60.9
	Barge	110	71	181	1,391,652	723,114	3,934	93,321	-	-	-	-	820,369	2.7
	Tanker	48	24	72	739,051	481,674	-	-	-	-	-	-	481,674	1.6
	Total Laker	878	147	1,025	16,682,693	11,919,634	2,234,850	5,530,973	-	-	-	-	19,685,457	65.2
Non-Cargo		-	247	247	137,880	-	-	-	-	-	-	-	-	-
	Passenger	22	2	24	97,324	-	-	-	-	-	-	-	-	-
Total Downbound		1,158	474	1,632	22,063,687	13,072,274	2,234,850	8,535,062	-	500	292	-	23,842,978	78.9
TOTALS:														
Ocean:	Cargo	450	99	549	8,863,869	1,330,059	15,152	3,010,878	-	12,557	1,847,458	289,412	6,505,516	21.5
	Barge	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tanker	79	45	124	1,437,306	838,168	-	-	-	-	-	-	838,168	2.8
	Total Ocean	529	144	673	10,301,175	2,168,227	15,152	3,010,878	-	12,557	1,847,458	289,412	7,343,684	24.3
Laker:	Cargo	840	703	1,543	29,078,081	12,659,683	2,230,916	5,437,652	-	-	-	-	20,328,251	67.3
	Barge	201	158	359	2,750,486	1,643,433	3,934	93,321	-	-	-	-	1,740,688	5.8
	Tanker	82	62	144	1,478,102	792,610	-	-	-	-	-	-	792,610	2.6
	Total Laker	1,123	923	2,046	33,306,669	15,095,726	2,234,850	5,530,973	-	-	-	-	22,861,549	75.7
Non-Cargo		-	483	483	263,955	-	-	-	-	-	-	-	-	-
	Passenger	43	3	46	191,635	-	-	-	-	-	-	-	-	-
GRAND TOTAL		1,695	1,553	3,248	44,063,434	17,263,953	2,250,002	8,541,851	-	12,557	1,847,458	289,412	30,205,233	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
2017**

TABLE W2

WELLAND CANAL SECTION

COMMODITY	CARGO TONNES								% of Total
	Bulk (1)	Coal	Grains	Govt. Aid	Containers	General Cargo	Steel Slabs	Total	
Wheat	-	-	5,102,218	-	-	-	-	5,102,218	16.9
Corn	-	-	312,368	-	-	-	-	312,368	1.0
Rye	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-
Canola (Rapeseed)	-	-	1,322,751	-	-	-	-	1,322,751	4.4
Canola Meal, Pellets	-	-	19,900	-	-	-	-	19,900	0.1
Flour, Wheat & Other Edible	-	-	-	-	-	-	-	-	-
Soybeans	-	-	1,535,733	-	-	-	-	1,535,733	5.1
Soybean Oil Cake, Meal, Pellets	-	-	99,686	-	-	-	-	99,686	0.3
Beans and Peas	-	-	38,195	-	-	-	-	38,195	0.1
Flaxseed	-	-	20,012	-	-	-	-	20,012	0.1
Sunflower Seeds	-	-	-	-	-	-	-	-	-
Other Agricultural Products	-	-	90,988	-	3	-	-	90,991	0.3
Total Agricultural Products	-	-	8,541,851	-	3	-	-	8,541,854	28.3
Packing House Products, Edible	-	-	-	-	-	-	-	-	-
Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	-
Other Animal Products	-	-	-	-	-	-	-	-	-
Total Animal Products	-	-	-	-	-	-	-	-	-
Bituminous Coal	-	2,250,002	-	-	-	-	-	2,250,002	7.4
Coke	1,566,395	-	-	-	-	-	-	1,566,395	5.2
Iron Ore	6,340,015	-	-	-	-	-	-	6,340,015	21.0
Aluminum Ore and Concentrates	5,796	-	-	-	-	-	-	5,796	0.0
Clay and Bentonite	71,947	-	-	-	41	-	-	71,988	0.2
Gravel and Sand	126,407	-	-	-	-	-	-	126,407	0.4
Stone	360,885	-	-	-	-	-	-	360,885	1.2
Salt	3,259,665	-	-	-	-	-	-	3,259,665	10.8
Potash	394,492	-	-	-	-	-	-	394,492	1.3
Gypsum	39,256	-	-	-	-	-	-	39,256	0.1
Asphalt	244,277	-	-	-	-	-	-	244,277	0.8
Other Mine Products	98,061	-	-	-	40	-	-	98,101	0.3
Total Mine Products	12,507,196	2,250,002	-	-	81	-	-	14,757,279	48.9
Lumber	-	-	-	-	-	-	-	-	-
Other Forest Products	2,950	-	-	-	332	-	-	3,282	0.0
Total Forest Products	2,950	-	-	-	332	-	-	3,282	0.0
Gasoline	535,072	-	-	-	-	-	-	535,072	1.8
Fuel Oil	1,012,968	-	-	-	-	-	-	1,012,968	3.4
Other Petroleum Products	316,404	-	-	-	-	-	-	316,404	1.0
Chemicals	158,686	-	-	-	3,884	-	-	162,570	0.5
Sodium Products	-	-	-	-	-	-	-	-	-
Tar, Pitch and Creosote	11,830	-	-	-	-	-	-	11,830	0.0
Pig Iron	164,721	-	-	-	-	-	-	164,721	0.5
Iron and Steel	-	-	-	-	130	1,779,087	-	1,779,217	5.9
Steel Slabs	-	-	-	-	-	-	289,412	289,412	1.0
Machinery and Machines	2,964	-	-	-	5,150	17,459	-	25,573	0.1
Cement	785,391	-	-	-	-	-	-	785,391	2.6
Cement Clinkers	689,261	-	-	-	-	-	-	689,261	2.3
Woodpulp	7,500	-	-	-	-	-	-	7,500	0.0
Newsprint and Paper Products	-	-	-	-	12	-	-	12	0.0
Syrup and Molasses	-	-	-	-	-	-	-	-	-
Sugar	52,201	-	-	-	-	-	-	52,201	0.2
Food Products	-	-	-	-	48	-	-	48	0.0
Furnace Slags	708,455	-	-	-	-	-	-	708,455	2.3
Scrap Iron and Steel	43,884	-	-	-	-	-	-	43,884	0.1
Other Manufactures and Misc. (2)	264,470	-	-	-	2,917	50,912	-	318,299	1.1
Total Manufactures and Misc.	4,753,807	-	-	-	12,141	1,847,458	289,412	6,902,818	22.9
GRAND TOTAL	17,263,953	2,250,002	8,541,851	-	12,557	1,847,458	289,412	30,205,233	100.0

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

(2) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2017**

TABLE W3 - Part A

MONTREAL-LAKE ONTARIO SECTION

NO. COMMODITY			UPBOUND TONNES						TOTAL UPBOUND	% OF TOTAL UP-BOUND
			CANADA		UNITED STATES		FOREIGN			
			Canada	United States	Canada	United States	Canada	United States		
1	Wheat	-	-	-	-	6,789	-	6,789	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	-	-	-	-	-	3	3	0.0	
15	Total Agricultural Products	-	-	-	-	6,789	3	6,792	0.1	
16	Packing House Products, Edible	-	-	-	-	-	-	-	-	
17	Hides, Skins, Pelts, Wool	-	-	-	-	-	-	-	-	
18	Other Animal Products	-	-	-	-	-	-	-	-	
19	Total Animal Products	-	-	-	-	-	-	-	-	
20	Bituminous Coal	-	-	-	-	10,016	5,136	15,152	0.2	
21	Coke	-	-	-	-	-	5,196	5,196	0.1	
22	Iron Ore	-	764,380	-	-	-	-	764,380	12.0	
23	Aluminum Ore and Concentrates	-	-	-	-	5,796	-	5,796	0.1	
24	Clay and Bentonite	-	-	-	-	-	36,619	36,619	0.6	
25	Gravel and Sand	-	-	-	-	-	-	-	-	
26	Stone	-	85,923	-	-	-	-	85,923	1.4	
27	Salt	-	-	-	-	-	3,737	3,737	0.1	
28	Potash	-	-	-	-	-	-	-	-	
29	Gypsum	-	39,256	-	-	-	-	39,256	0.6	
30	Asphalt	-	9,884	-	-	-	-	9,884	0.2	
31	Other Mine Products	-	65,212	-	-	-	32,889	98,101	1.5	
32	Total Mine Products	-	964,655	-	-	15,812	83,577	1,064,044	16.7	
33	Lumber	-	-	-	-	-	-	-	-	
34	Other Forest Products	-	-	-	-	2,950	332	3,282	0.1	
35	Total Forest Products	-	-	-	-	2,950	332	3,282	0.1	
36	Gasoline	216,132	-	76,902	-	90,332	-	383,366	6.0	
37	Fuel Oil	345,486	21,751	-	-	-	-	367,237	5.8	
38	Other Petroleum Products	8,011	-	49,609	-	34,262	-	91,882	1.4	
39	Chemicals	-	-	-	-	16,500	24,513	41,013	0.6	
40	Sodium Products	-	-	-	-	-	-	-	-	
41	Tar, Pitch and Creosote	-	-	11,830	-	-	-	11,830	0.2	
42	Pig Iron	-	13,516	-	-	-	151,205	164,721	2.6	
43	Iron and Steel	-	-	-	-	351,334	1,427,883	1,779,217	28.0	
44	Steel Slabs	-	-	-	-	39,770	249,642	289,412	4.5	
45	Machinery and Machines	2,372	592	-	-	1,885	20,348	25,197	0.4	
46	Cement	-	720,071	-	-	-	65,320	785,391	12.3	
47	Cement Clinkers	-	689,261	-	-	-	-	689,261	10.8	
48	Woodpulp	-	-	-	-	-	7,500	7,500	0.1	
49	Newsprint and Paper Products	-	-	-	-	-	12	12	0.0	
50	Syrup and Molasses	-	-	-	-	-	-	-	-	
51	Sugar	-	-	-	-	-	52,201	52,201	0.8	
52	Food Products	-	-	-	-	-	48	48	0.0	
53	Furnace Slags	-	160,402	-	-	-	92,986	253,388	4.0	
54	Scrap Iron and Steel	-	28,537	-	-	-	-	28,537	0.4	
55	Other Manufactures and Misc. (1)	2,623	222,771	-	-	21,231	71,299	317,924	5.0	
56	Total Manufactures and Misc.	574,624	1,856,901	138,341	-	555,314	2,162,957	5,288,137	83.1	
57	GRAND TOTAL	574,624	2,821,556	138,341	-	580,865	2,246,869	6,362,255	100.0	

(1) Includes unclassified cargoes.

**TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
2017**

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					
3,917,399	-	537,128	10,450	-	630,452	5,095,429	21.4	5,102,218	16.9	1
3,230	-	114,246	29,182	-	165,710	312,368	1.3	312,368	1.0	2
-	-	-	-	-	-	-	-	-	-	3
-	-	-	-	-	-	-	-	-	-	4
-	-	-	-	-	-	-	-	-	-	5
588,804	-	713,042	-	-	20,905	1,322,751	5.5	1,322,751	4.4	6
-	-	19,900	-	-	-	19,900	0.1	19,900	0.1	7
-	-	-	-	-	-	-	-	-	-	8
555,251	-	145,639	388,775	-	446,068	1,535,733	6.4	1,535,733	5.1	9
43,232	-	56,454	-	-	-	99,686	0.4	99,686	0.3	10
-	-	38,195	-	-	-	38,195	0.2	38,195	0.1	11
5,100	-	14,912	-	-	-	20,012	0.1	20,012	0.1	12
-	-	-	-	-	-	-	-	-	-	13
-	-	24,032	-	-	66,956	90,988	0.4	90,991	0.3	14
5,113,016	-	1,663,548	428,407	-	1,330,091	8,535,062	35.8	8,541,854	28.3	15
-	-	-	-	-	-	-	-	-	-	16
-	-	-	-	-	-	-	-	-	-	17
-	-	-	-	-	-	-	-	-	-	18
-	-	-	-	-	-	-	-	-	-	19
-	-	-	2,234,850	-	-	2,234,850	9.4	2,250,002	7.4	20
529,927	-	155,401	594,689	-	281,182	1,561,199	6.5	1,566,395	5.2	21
15,035	-	-	5,560,600	-	-	5,575,635	23.4	6,340,015	21.0	22
-	-	-	-	-	-	-	-	5,796	0.0	23
-	-	-	-	-	35,369	35,369	0.1	71,988	0.2	24
-	-	-	126,407	-	-	126,407	0.5	126,407	0.4	25
265,879	-	-	9,083	-	-	274,962	1.2	360,885	1.2	26
2,476,276	60,459	-	719,193	-	-	3,255,928	13.7	3,259,665	10.8	27
61,581	23,353	309,558	-	-	-	394,492	1.7	394,492	1.3	28
-	-	-	-	-	-	-	-	39,256	0.1	29
93,093	-	-	141,300	-	-	234,393	1.0	244,277	0.8	30
-	-	-	-	-	-	-	-	98,101	0.3	31
3,441,791	83,812	464,959	9,386,122	-	316,551	13,693,235	57.4	14,757,279	48.9	32
-	-	-	-	-	-	-	-	-	-	33
-	-	-	-	-	-	-	-	3,282	0.0	34
-	-	-	-	-	-	-	-	3,282	0.0	35
92,667	39,909	12,331	-	6,799	-	151,706	0.6	535,072	1.8	36
594,971	50,760	-	-	-	-	645,731	2.7	1,012,968	3.4	37
10,521	10,078	113,796	74,037	16,090	-	224,522	0.9	316,404	1.0	38
37,828	15,901	-	67,828	-	-	121,557	0.5	162,570	0.5	39
-	-	-	-	-	-	-	-	-	-	40
-	-	-	-	-	-	-	-	11,830	0.0	41
-	-	-	-	-	-	-	-	164,721	0.5	42
-	-	-	-	-	-	-	-	1,779,217	5.9	43
-	-	-	-	-	-	-	-	289,412	1.0	44
-	-	-	-	-	376	376	0.0	25,573	0.1	45
-	-	-	-	-	-	-	-	785,391	2.6	46
-	-	-	-	-	-	-	-	689,261	2.3	47
-	-	-	-	-	-	-	-	7,500	0.0	48
-	-	-	-	-	-	-	-	12	0.0	49
-	-	-	-	-	-	-	-	-	-	50
-	-	-	-	-	-	-	-	52,201	0.2	51
-	-	-	-	-	-	-	-	48	0.0	52
332,182	-	-	122,885	-	-	455,067	1.9	708,455	2.3	53
15,347	-	-	-	-	-	15,347	0.1	43,884	0.1	54
-	-	-	-	-	375	375	0.0	318,299	1.1	55
1,083,516	116,648	126,127	264,750	22,889	751	1,614,681	6.8	6,902,818	22.9	56
9,638,323	200,460	2,254,634	10,079,279	22,889	1,647,393	23,842,978	100.0	30,205,233	100.0	57

TRAFFIC BY MONTH AND TYPE OF CARGO
2017

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	10	40	50	641,517	126,437	-	-	-	-	20,400	-	146,837	0.5
April	50	123	173	2,329,034	241,553	-	-	-	590	226,557	61,789	530,489	1.8
May	60	115	175	2,347,886	437,831	-	-	-	843	192,943	40,339	671,956	2.2
June	72	118	190	2,447,460	535,216	5,136	6,789	-	1,479	258,826	-	807,446	2.7
July	73	117	190	2,470,120	506,884	-	-	-	1,111	216,669	59,606	784,270	2.6
August	59	116	175	2,355,081	404,132	-	-	-	2,860	220,221	41,862	669,075	2.2
September	55	104	159	2,263,168	476,343	-	-	-	1,001	163,365	22,835	663,544	2.2
October	73	114	187	2,565,728	741,652	-	-	-	1,641	180,066	41,994	965,353	3.2
November	54	121	175	2,632,238	437,209	10,016	-	-	860	295,018	20,987	764,090	2.5
December	31	111	142	1,947,515	284,422	-	-	-	1,672	73,101	-	359,195	1.2
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Upbound	537	1,079	1,616	21,999,747	4,191,679	15,152	6,789	-	12,057	1,847,166	289,412	6,362,255	21.1
DOWNBOUND:													
March	20	14	34	343,634	229,505	25,644	82,658	-	-	-	-	337,807	1.1
April	110	45	155	2,067,133	1,445,420	219,164	727,050	-	-	-	-	2,391,634	7.9
May	129	59	188	2,441,152	1,397,143	208,018	1,021,644	-	215	72	-	2,627,092	8.7
June	122	51	173	2,358,723	1,510,906	176,384	836,752	-	-	-	-	2,524,042	8.4
July	125	64	189	2,536,508	1,486,860	280,269	859,177	-	-	-	-	2,626,306	8.7
August	127	50	177	2,277,759	1,684,881	202,965	650,360	-	119	-	-	2,538,325	8.4
September	128	50	178	2,464,134	1,455,778	307,826	898,449	-	121	-	-	2,662,174	8.8
October	126	52	178	2,393,034	1,122,372	304,105	1,178,236	-	21	-	-	2,604,734	8.6
November	131	40	171	2,479,041	1,336,024	231,341	1,172,795	-	4	-	-	2,740,164	9.1
December	140	49	189	2,702,569	1,403,385	279,134	1,107,941	-	20	220	-	2,790,700	9.2
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Downbound	1,158	474	1,632	22,063,687	13,072,274	2,234,850	8,535,062	-	500	292	-	23,842,978	78.9
TOTALS:													
March	30	54	84	985,151	355,942	25,644	82,658	-	-	20,400	-	484,644	1.6
April	160	168	328	4,396,167	1,686,973	219,164	727,050	-	590	226,557	61,789	2,922,123	9.7
May	189	174	363	4,789,038	1,834,974	208,018	1,021,644	-	1,058	193,015	40,339	3,299,048	10.9
June	194	169	363	4,806,183	2,046,122	181,520	843,541	-	1,479	258,826	-	3,331,488	11.0
July	198	181	379	5,006,628	1,993,744	280,269	859,177	-	1,111	216,669	59,606	3,410,576	11.3
August	186	166	352	4,632,840	2,089,013	202,965	650,360	-	2,979	220,221	41,862	3,207,400	10.6
September	183	154	337	4,727,302	1,932,121	307,826	898,449	-	1,122	163,365	22,835	3,325,718	11.0
October	199	166	365	4,958,762	1,864,024	304,105	1,178,236	-	1,662	180,066	41,994	3,570,087	11.8
November	185	161	346	5,111,279	1,773,233	241,357	1,172,795	-	864	295,018	20,987	3,504,254	11.6
December	171	160	331	4,650,084	1,687,807	279,134	1,107,941	-	1,692	73,321	-	3,149,895	10.4
January	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	1,695	1,553	3,248	44,063,434	17,263,953	2,250,002	8,541,851	-	12,557	1,847,458	289,412	30,205,233	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
1998 - 2017**

TABLE W5

WELLAND CANAL SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONNAGE		
	Upbound	Downbound	Total	Upbound	Downbound	Total	Upbound	Downbound	Total
1998	1,716	1,711	3,427	16,490,774	24,154,823	40,645,597	22,562,174	22,498,816	45,060,990
1999	1,836	1,844	3,680	13,772,519	23,668,366	37,440,885	20,861,259	20,898,258	41,759,517
2000	1,681	1,670	3,351	13,433,945	23,138,232	36,572,177	20,473,915	20,428,640	40,902,555
2001	1,706	1,683	3,389	10,623,437	21,861,460	32,484,897	19,489,594	19,430,309	38,919,903
2002	1,506	1,510	3,016	11,689,831	20,418,339	32,108,170	18,103,106	18,134,151	36,237,257
2003	1,512	1,515	3,027	11,697,639	20,172,827	31,870,466	17,525,485	17,478,649	35,004,134
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
TOTAL	32,755	32,804	65,559	200,289,058	446,046,777	646,335,835	389,758,007	389,397,812	779,155,819

**CARGO BY TARIFF CLASSIFICATION
1998 - 2017**

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	%	
1998	22,004,090	54.1	N/A	-	13,162,425	32.4	15,828	0.0	837	0.0	5,462,417	13.4	N/A	-	40,645,597
1999	15,880,743	42.4	4,518,099	12.1	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
TOTAL	338,826,564	52.4	70,878,740	11.0	193,303,094	29.9	139,676	0.0	101,553	0.0	40,429,934	6.3	2,656,274	0.4	646,335,835

(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
1998 - 2017

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
1998	16,490,774	1,062	654	1,716	24,154,823	1,254	457	1,711	40,645,597	2,316	1,111	3,427
1999	13,772,519	905	931	1,836	23,668,366	1,227	617	1,844	37,440,885	2,132	1,548	3,680
2000	13,433,945	849	832	1,681	23,138,232	1,214	456	1,670	36,572,177	2,063	1,288	3,351
2001	10,623,437	746	960	1,706	21,861,460	1,147	536	1,683	32,484,897	1,893	1,496	3,389
2002	11,689,831	766	740	1,506	20,418,339	1,041	469	1,510	32,108,170	1,807	1,209	3,016
2003	11,697,639	725	787	1,512	20,172,827	1,036	479	1,515	31,870,466	1,761	1,266	3,027
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
TOTAL	200,289,058	13,476	19,279	32,755	446,046,777	22,777	10,027	32,804	646,335,835	36,253	29,306	65,559

COMMODITY GROUPS
1998 - 2017

TABLE W8

WELLAND CANAL SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		TOTAL TONNES
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes	%	
1998	13,144,176	32.3	14,053	0.0	16,345,069	40.2	-	-	11,142,299	27.4	40,645,597
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
TOTAL	193,397,234	29.9	47,166	0.0	308,897,085	47.8	411,164	0.1	143,583,186	22.2	646,335,835

**U.S. GRAINS
1998 - 2017**

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	%	
1998	2,063,314	33.1	2,018,736	32.4	-	-	N/A	-	46,303	0.7	1,685,671	27.1	8,856	0.1	406,790	6.5	6,229,670
1999	1,625,184	24.3	2,705,940	40.5	-	-	-	-	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
TOTAL	29,150,973	41.6	16,124,530	23.0	20,959	0.0	381,016	0.5	339,481	0.5	20,095,566	28.7	528,457	0.8	3,465,672	4.9	70,106,654

CANADIAN GRAINS
1998 - 2017

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	%	
1998	4,689,907	68.6	18,656	0.3	14,956	0.2	N/A	-	31,946	0.5	220,901	3.2	491,617	7.2	1,366,995	20.0	6,834,978
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
TOTAL	89,574,063	73.0	1,499,799	1.2	238,708	0.2	10,273,170	8.4	336,669	0.3	6,399,921	5.2	5,743,902	4.7	8,622,113	7.0	122,688,345

SELECTED MINING COMMODITIES

1998 - 2017

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	%	
1998	4,631,960	28.3	698,915	4.3	6,514,907	39.9	250,534	1.5	176,521	1.1	1,297,412	7.9	1,976,360	12.1	798,460	4.9	16,345,069
1999	4,518,099	29.7	623,627	4.1	5,822,615	38.3	175,661	1.2	228,871	1.5	859,859	5.7	2,154,900	14.2	811,722	5.3	15,195,354
2000	4,345,503	28.4	964,887	6.3	6,128,438	40.0	161,835	1.1	214,291	1.4	894,193	5.8	1,725,627	11.3	890,106	5.8	15,324,880
2001	4,803,620	36.2	901,018	6.8	3,486,873	26.2	84,269	0.6	204,364	1.5	945,002	7.1	2,149,714	16.2	712,349	5.4	13,287,209
2002	4,114,092	29.6	1,194,300	8.6	5,042,945	36.3	110,613	0.8	181,670	1.3	739,559	5.3	1,888,696	13.6	635,493	4.6	13,907,368
2003	4,196,191	26.8	1,004,157	6.4	6,560,453	42.0	109,485	0.7	210,126	1.3	799,893	5.1	2,070,106	13.2	686,711	4.4	15,637,122
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
TOTAL	75,510,700	24.4	27,192,248	8.8	123,959,729	40.1	2,287,833	0.7	3,216,678	1.0	13,873,721	4.5	49,272,118	16.0	13,584,058	4.4	308,897,085

SELECTED PROCESSED COMMODITIES
1998 - 2017

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	%
1998	150,900	1.4	613,464	5.5	655,361	5.9	69,849	0.6	266,790	2.4	5,361,673	48.1	1,673,028	15.0	106,380	1.0	2,244,854	20.1
1999	63,662	0.7	474,539	5.5	397,024	4.6	77,394	0.9	225,935	2.6	3,334,738	38.5	1,602,864	18.5	126,082	1.5	2,353,925	27.2
2000	108,365	1.3	354,049	4.2	496,847	5.9	84,646	1.0	202,512	2.4	3,458,677	41.4	1,258,259	15.0	138,016	1.7	2,262,865	27.1
2001	285,450	3.8	492,370	6.5	435,129	5.8	73,898	1.0	199,013	2.6	2,145,531	28.5	1,540,165	20.5	124,709	1.7	2,231,678	29.6
2002	147,641	1.9	293,209	3.8	421,416	5.4	74,087	1.0	229,653	3.0	2,643,181	34.1	1,305,972	16.8	83,128	1.1	2,559,625	33.0
2003	158,411	2.3	570,348	8.4	436,386	6.4	68,800	1.0	177,603	2.6	1,652,648	24.3	1,297,109	19.0	134,222	2.0	2,317,988	34.0
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	4.3	776,324	8.8	467,652	5.3	15,283	0.2	233,129	2.7	3,099,721	35.2	1,064,495	12.1	317,236	3.6	2,438,974	27.7
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	2,318,645	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	2,129,583	30.9
TOTAL	6,445,712	4.5	14,889,047	10.4	6,910,744	4.8	561,675	0.4	3,544,761	2.5	41,937,603	29.2	21,460,924	14.9	2,974,913	2.1	44,857,807	31.2

(1) Includes steel slabs but excludes domestic general and domestic slabs.

NOTES