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CANAL STATISTICS

1965

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WATER TRANSPORT

Catalogue number	Title	Price
Periodical		
54-001	Summary of Canal Statistics. Monthly – April to December. (6 pp.) Vessel passages, registered net tonnage, and tonnage of freight for all canals; tonnages of freight transported through the St. Lawrence Canals and Welland Canal, by commodity, by direction, and by type of cargo; tonnages of freight transported through the Sault Ste. Marie Canals by commodity and by direction. December monthly includes a brief summary for the season of navigation	10¢, \$1.00 a year
54-002	Shipping Statistics. Monthly. (9 pp.) Cargoes loaded and unloaded, by selected commodities and geographic area; number and registered net tonnage of vessels arrived and departed; cargoes loaded and unloaded at selected ports, by selected commodities	20¢, \$2.00 a year
Annual		
54-201	Canal Statistics. (approx. 80 pp.) Location and description of all canals; historical summary; traffic, by kind of vessel, by registry of vessel, by length of vessel; number and tonnage of vessels, by direction, by origin and destination; number and tonnage of vessels, by registry and rig, by kind and length, by kind and draft; cargo tons, by direction, by country of origin and destination; cargo tons, by direction, by registry of vessel; cargo tons, by kind, by gross tonnage, and by number of vessels; commodities, by direction, by country of origin and destination; freight charges for wheat, barley, oats, flax, and rye	\$1.00
54-202	Shipping Report: Part I, International Seaborne Shipping (by Country). (approx. 160 pp.) Cargoes loaded and unloaded, by country of origin or destination, by commodity, by registry of vessel, and by geographic area; cargoes loaded and unloaded, by commodity and geographic area; number and registered net tonnage of, and tons of cargo carried by, vessels arrived and departed, by registry of vessel and geographic area	1.50
54-203	Shipping Report: Part II, International Seaborne Shipping (by Port). (approx. 75 pp.) Cargoes loaded and unloaded, by port and commodity; number and registered net tonnage of vessels arrived and departed, by province and size of vessel, and by rig; number and registered net tonnage of vessels arrived and departed with cargo or in ballast, by port; shipping between Great Lakes ports and foreign countries via the St. Lawrence River; number and gross tonnage of tugs departed, by port	1.00
54-204	Shipping Report: Part III, Coastwise Shipping. (approx. 105 pp.) Cargoes loaded and unloaded, by port and commodity; cargoes loaded and unloaded, by commodity and geographic area; number and registered net tonnage of vessels arrived and departed with cargo or in ballast, by port; number and registered net tonnage of vessels departed, by province and size of vessel, and by rig; number and gross tonnage of tugs departed, by port; tonnage of cargo unloaded in inter- and intra-provincial trade, by province; cargo loaded and unloaded by vessels of foreign registry, with number of vessels and registered net tonnage	1.50
54-206	Shipping Report: Part IV, Origin and Destination for Selected Ports. (approx. 150 pp.) Cargoes loaded and unloaded at Halifax, Saint John, Montreal, Quebec, Hamilton, Port Arthur-Fort William, Toronto, and Vancouver, by country or port of origin or destination, and by commodity. Note: Similar data, available on request, have been tabulated for Bell Island, and Corner Brook, Nfld.; Hantsport and Sydney, N.S.; Baie Comeau, Port Cartier, Port Alfred, Sept Îles, Sorel and Trois Rivières, P.Q.; Port Colborne, Sarnia, Sault Ste. Marie and Windsor, Ont.; New Westminster, Victoria and Powell River, B.C. Corresponding information for all other Canadian ports can be tabulated upon request	1.50
54-207	Shipping Report: Part V, Origin and Destination for Selected Commodities. (approx. 55 pp.) Tonnage of wheat, other grain, pulpwood, iron ore, bituminous coal, gypsum, newsprint, and fuel oil, loaded and unloaded, by country or port of origin or destination .....	.75
54-205	Water Transportation. (approx. 22 pp.) Statistics on the for-hire water transportation industry – number of vessels, number and salaries and wages of employees, revenue and expense, quantity and cost of fuel and lubricating oils consumed, property, number of deaths or injuries caused by accidents, number and value of ships destroyed or lost at sea, for operators of owned and/or chartered vessels, by revenue class and by division; number of vessels, property, revenue and expense, for owners of vessels chartered bareboat to others50

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

Note: Cargo ton - 2,000 pounds.

INTRODUCTION

This publication contains statistics on vessel movements through the eleven canal systems of Canada.

Source

The St. Lawrence Seaway Authority, the Department of Transport, and the Department of Public Works assist in the collection of data which appear in this publication's sixty-five tables. For each one-way or partial passage through the St. Lawrence Seaway canals, vessel operators are required to submit two copies of a "Transit Declaration Form" to the St. Lawrence Seaway Authority, which retains one copy for its own use, and forwards the second to the Dominion Bureau of Statistics. For each one-way or partial passage through the other canals, a "Ship's Report - Canals" is completed, and one copy is submitted to the Dominion Bureau of Statistics.

Of the eleven canal systems included in this publication, three comprise the Canadian portion of the St. Lawrence Seaway - the deep waterway extending from the Atlantic Ocean to Lake Superior. The Canadian portion, composed of three sections - the St. Lawrence Canals (South Shore Canal, Beauharnois Canal, Iroquois Canal, Lachine Canal, and Cornwall Canal), the Welland Canal, and the Sault Ste. Marie Canal is under the jurisdiction of the Seaway Authority for operation and maintenance.

Seven canal systems - the St. Peter's Canal, the Canso Canal, the Richelieu River Canals, the Ottawa River Canals, the Rideau Canal, the Murray Canal, and the Trent Canal - are the responsibility of the Department of Transport, while the St. Andrew's Canal is operated and maintained by the Department of Public Works.

The co-operation of the two federal departments and the crown corporation in collecting these reports continues to be commendable, as is the completion of these reports by vessel operators.

Treatment of Data

All commodities shipped through the canal systems have been according to the grouped "Standard Commodity Classification Manual" published by the Dominion Bureau of Statistics. The grouping of commodities is based on a list of 220 commodity classes, which is printed in the appendix of this publication. Greater detail is now presented in the commodity tables, which previously had been condensed due to space limitations.

Commencing with this publication, the data pertaining to the St. Peter's Canal, the Richelieu

River Canals, the Ottawa River Canals, the Rideau Canal, the Murray Canal, the Trent Canal, and the St. Andrew's Canal, have been aggregated, as it was felt that the volume of traffic moving through these canals did not warrant an individual breakdown.

Because the one Canadian lock, which constitutes the Sault Ste. Marie Canal section of the Seaway, is narrower, shallower, and shorter than the four United States Locks, almost all of the commodities are transported through the American locks. For this reason, coverage includes a table based on traffic through both lock systems. Commodities have been grouped according to the United States "Commodity Classification for Shipping Statistics".

Before 1964, a tug and towed barges - now comprising one unit - were counted separately in vessel compilations.

"Domestic package freight" consists of packaged unidentifiable commodities, which are transported from an origin in Canada to a destination in Canada.

A vessel is classed as being "in ballast" if it is carrying no cargo when it travels through a canal system.

For this publication's purposes, the St. Lawrence River is considered to extend to the western tip of Anticosti Island.

The direction "downbound" for:

St. Peter's Canal, is from the Bras d'Or Lakes to St. Peter's Bay;

Canso Canal, is from George Bay to Port Hastings;

Richelieu River Canals, is from St. Jean to St. Ours;

Ottawa River Canals, is from Grenville to Ste-Anne;

Rideau Canal, is from Kingston to Ottawa;

Murray Canal, is from Lake Ontario to Bay of Quinte (if a vessel has proceeded from the Trent Canal, however, downbound is from Bay of Quinte to Lake Ontario);

Trent Canal, is from Lake Huron to Lake Ontario;

St. Lawrence Seaway, is from Lake Superior to Montreal;

St. Andrew's Canal, is from Winnipeg to Lake Winnipeg.

It should be noted that the statistics in this publication include duplications where vessels pass through two or more canals.

Analysis of Data

During 1965 the tonnage of cargo transported through all Canadian canals increased 6.6 per cent to 99,395,117 tons from 93,276,850 tons recorded in 1964. Contributing to this record volume were increases of 10.0 per cent to 43,378,663 tons in

the volume of cargo shipped through the St. Lawrence Canals, and 3.9 per cent, to 53,436,596 tons, through the Welland Canal. These two canal systems accounted for 96,815,259 tons or 97.4 per cent of the total tonnage of cargo through all Canadian canals.

Commodities

The four commodities transported in greatest volume through Canadian canals during 1965 were iron ore, wheat, bituminous coal and corn. These bulk commodities accounted for 62.7 per cent of total tonnage in 1965 as compared with 66.6 per cent in the previous year.

Transportation of iron ore slipped slightly to 28,899,660 tons from the record 28,910,524 tons in 1964. This represents a levelling-off after the expansion of 38.9 per cent in 1964. Indications are that the Canadian and American economies are sufficiently buoyant to at least maintain this level if not cause further expansions in shipments.

Wheat movements were second in volume in 1965, but declined 9.1 per cent to 17,424,709 tons. This reflects the fact that it was not until after August, when further large wheat sales to the U.S.S.R. were announced, that movements began to approximate the volume shipped to Communist countries in 1964.

The third largest commodity transported through canals was bituminous coal, which rose 14.7 per cent to 8,231,254 tons, emphasizing the rising fuel requirements of central Canada.

In fourth place was corn, movements of which increased 12.6 per cent to 7,725,298 tons. Of this total only minor movements originate in Canada, the bulk being shipped from the United States.

During 1965 significant changes were revealed for several other commodities, including fuel oil and soyabeans. Fuel oil shipments rose 110.0 per cent to a total of 3,091,448 tons, of which almost two-thirds moved upbound through the St. Lawrence Canals. Canal movements of soyabeans increased 24.8% to 3,064,313 tons, the majority of which was loaded at U.S. Great Lakes ports.

Vessels

Although the number of vessel passages increased 0.9 per cent to 23,356 from 23,155 during 1964, there was an increase in total net registered tonnage of 6.4 per cent to 72,487,300 from 68,157,996. The average net registered tonnage per vessel passage in 1965 was 3,103.6 tons compared with 2,943.5 tons in 1964, showing the trend to larger vessels.

The percentage of total cargo transported through Canadian Canals by vessels of Canadian registry during 1965 was 60.1 compared to 62.4 per cent during 1964. Tonnage, however, increased to 59,724,889 tons from 58,138,463 tons.

Vessels registered in the United States transported 5,031,827 tons or 5.1 per cent of the total during 1965, while in the previous year 8.5 per cent or 7,939,695 tons were carried.

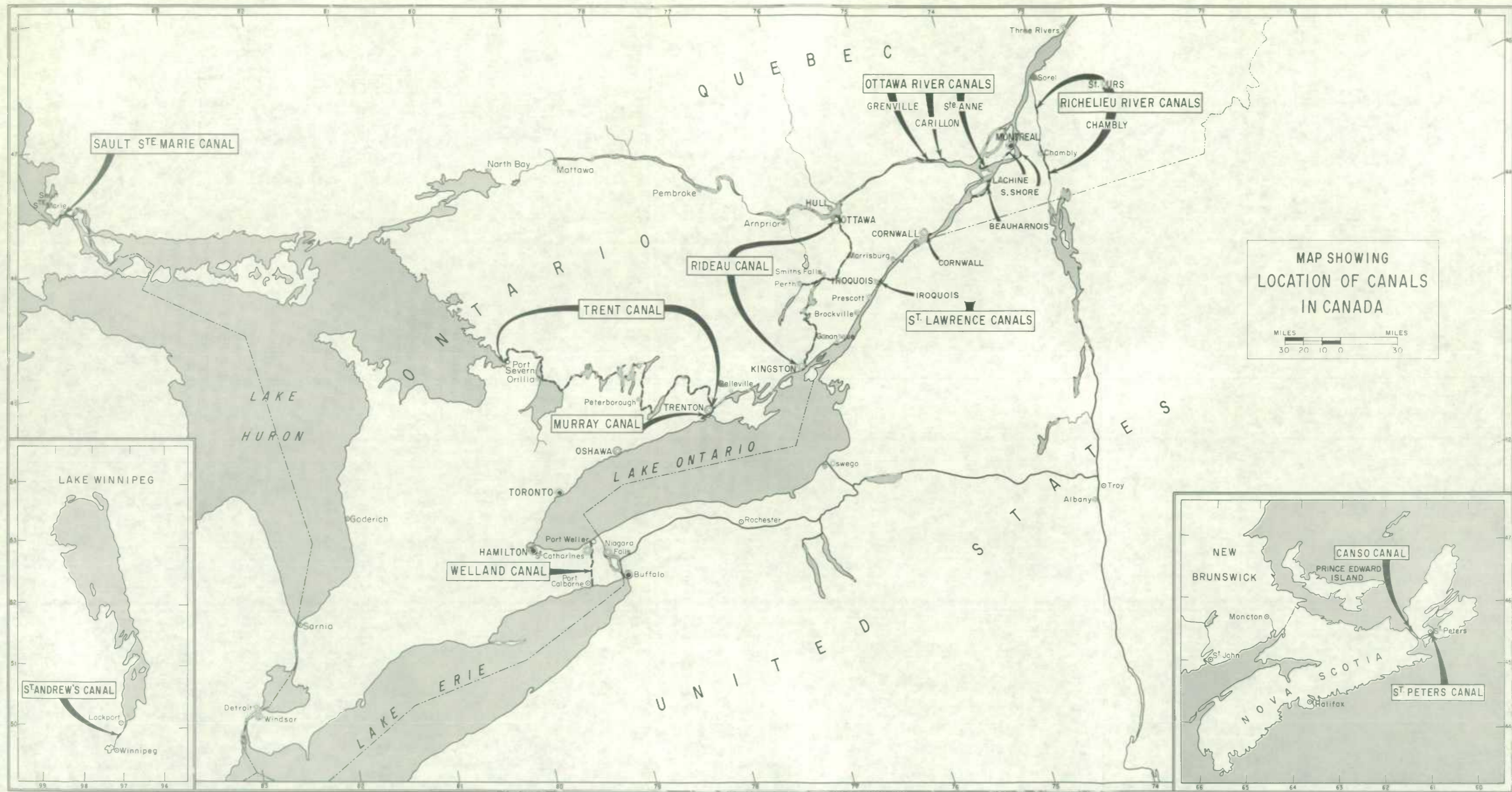
United Kingdom vessels (including other British Commonwealth) handled 14.7 per cent or 14,624,048 tons while other foreign-registered vessels handled 20.1 per cent or 20,014,353 tons of the year's total cargo. In 1964 the figures were 13.0 per cent or 12,111,198 tons and 16.1 per cent or 15,087,494 tons respectively.

Statistical Highlights

The following table provides a statistical picture of the highlights of the 1965 canal navigation season:

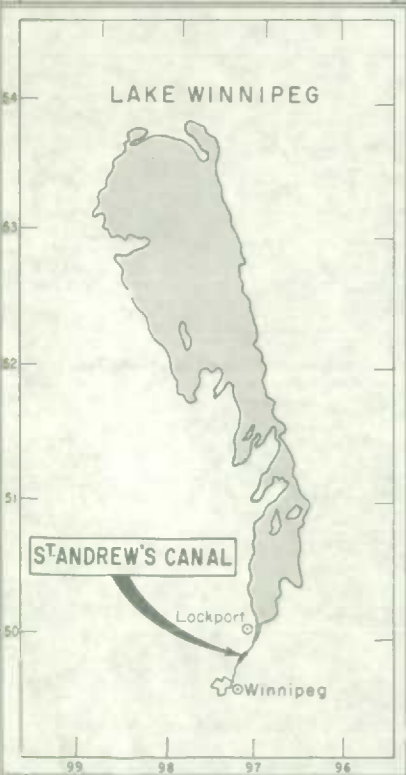
	St. Lawrence Canals ¹	Welland Canal
Number of vessels	7,868	8,352
Registered net tonnage	28,892,723	38,547,495
Cargo tonnage	43,378,663	53,436,596
Iron Ore	12,775,755	16,123,905
Wheat	8,641,688	8,783,021
Coal, bituminous.....	3,758,837	3,966,461

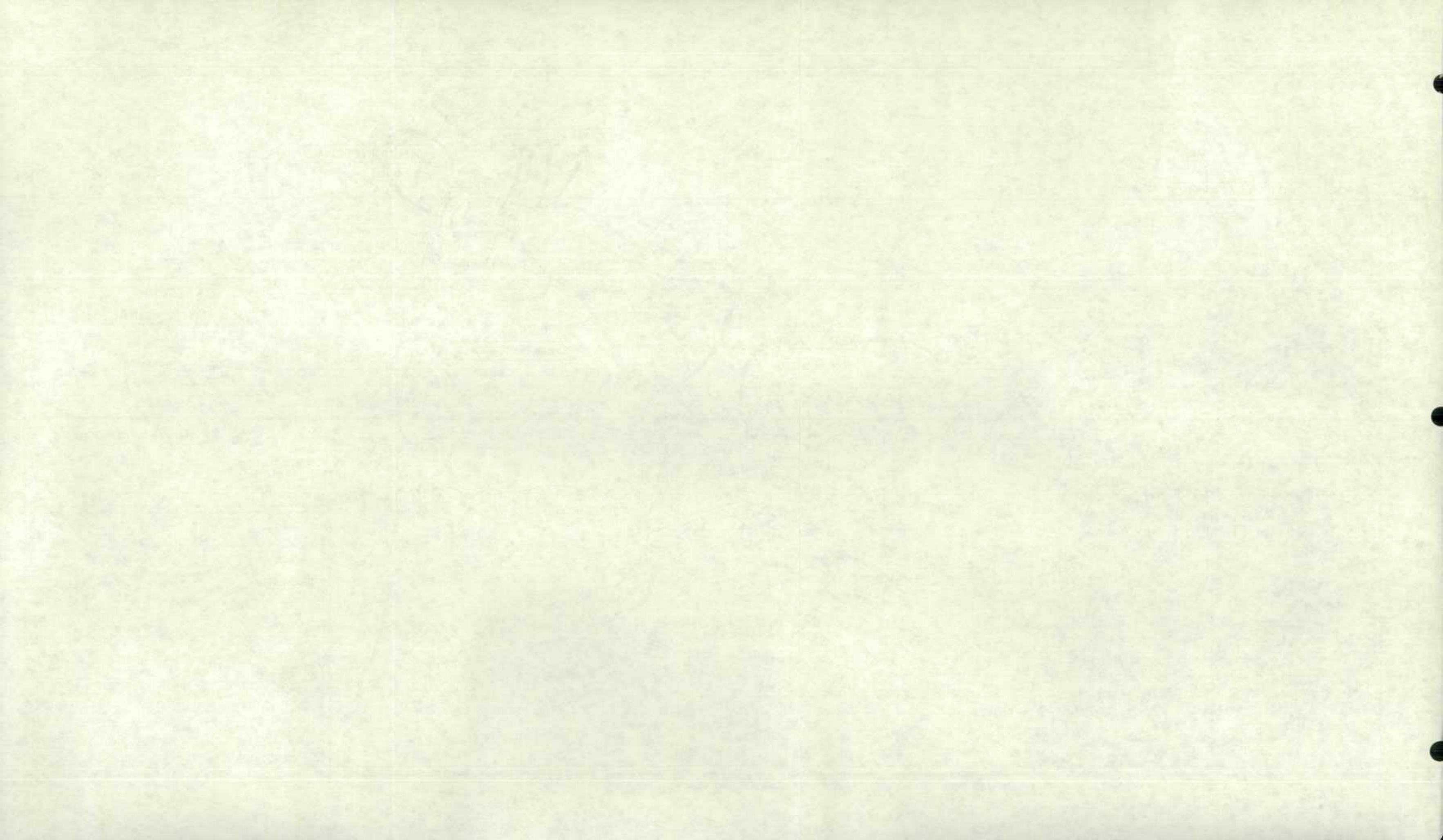
¹ Includes Lachine and Cornwall Canals.



MAP SHOWING
LOCATION OF CANALS
IN CANADA

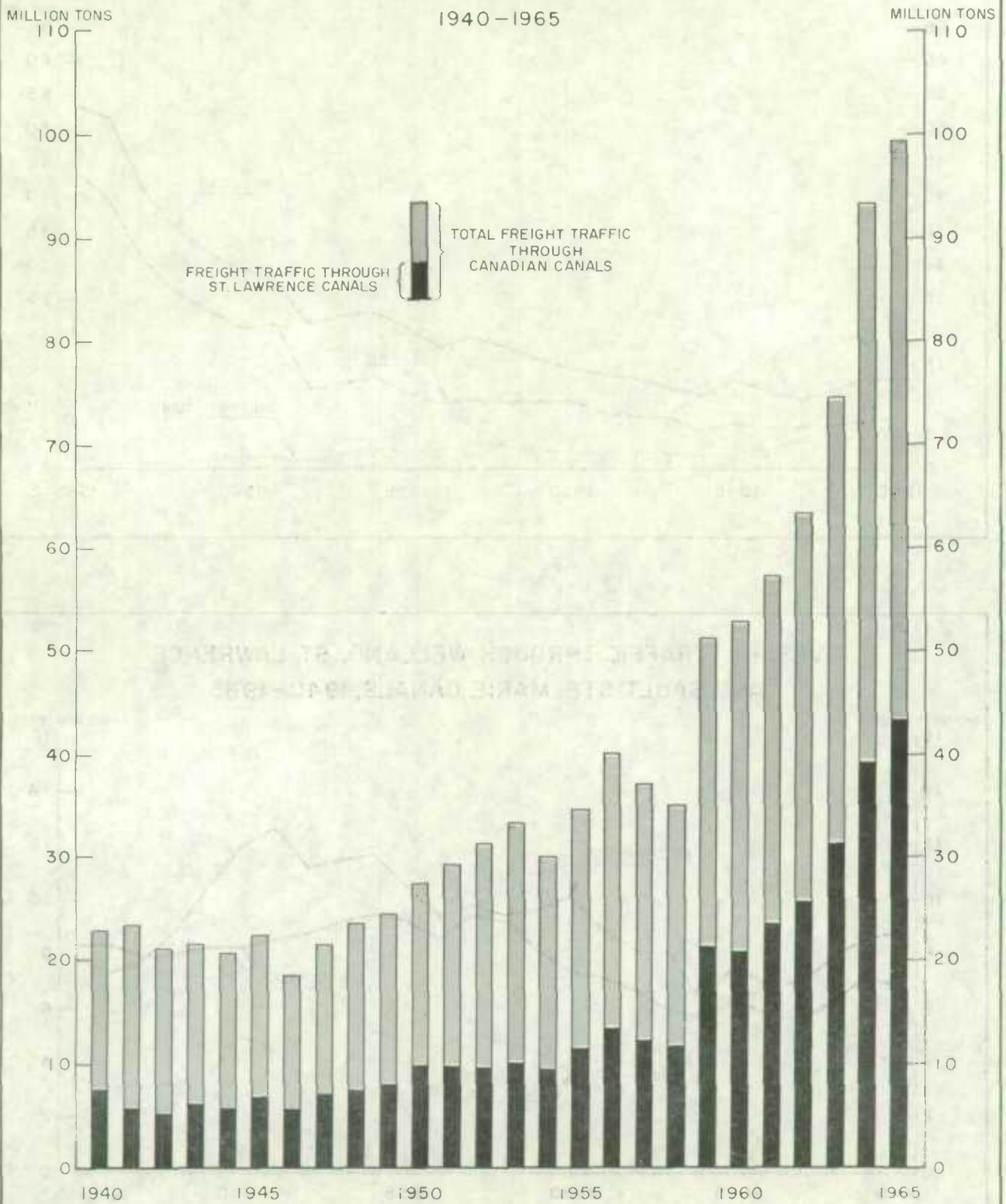
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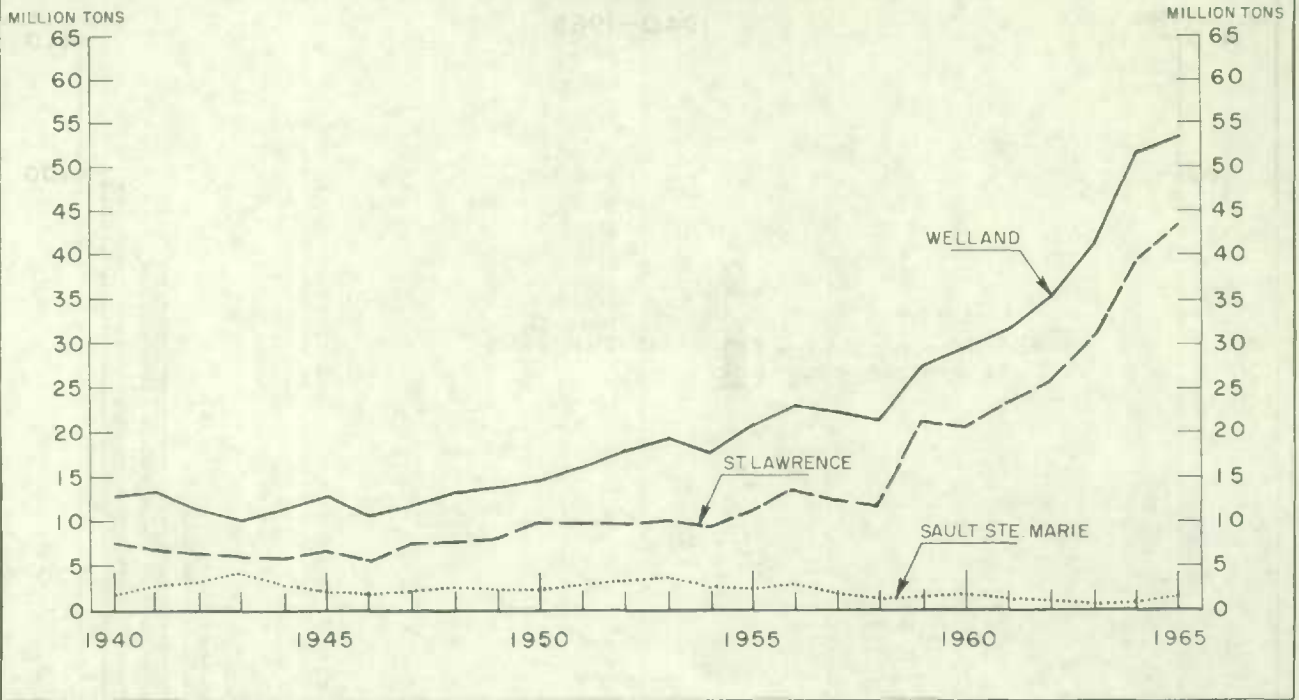


TOTAL FREIGHT TRAFFIC THROUGH CANADIAN CANALS

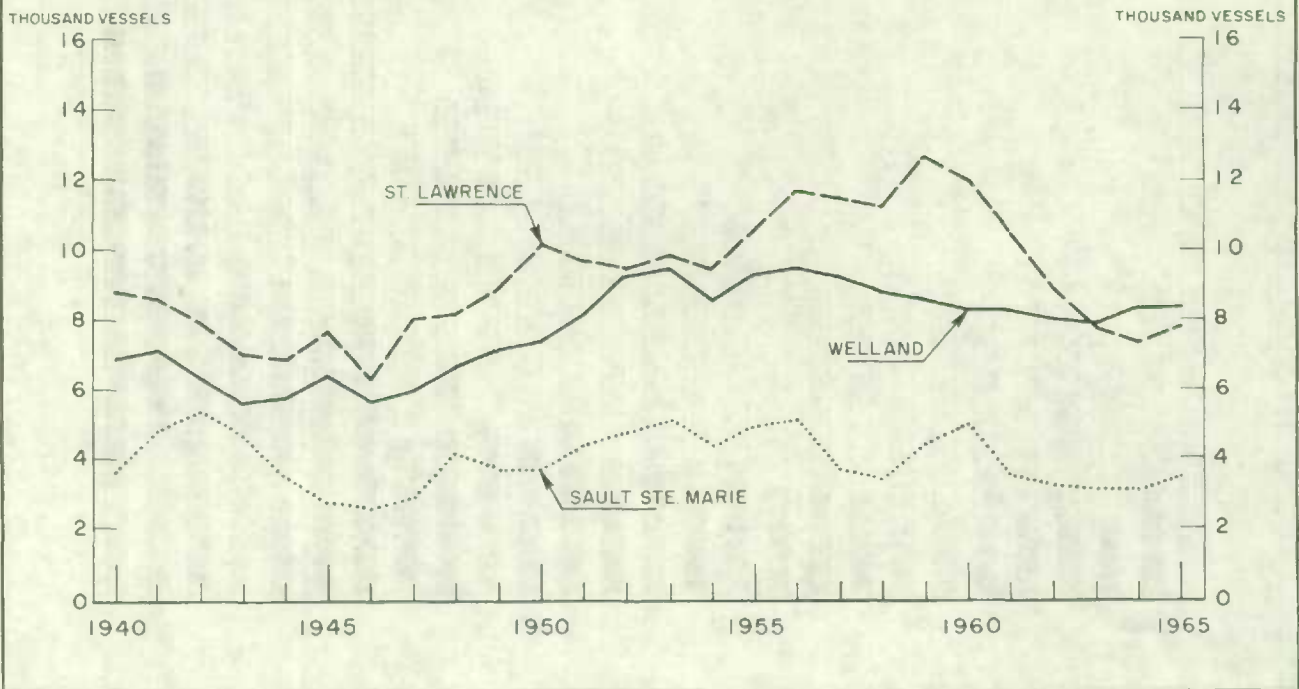
1940-1965



FREIGHT TRAFFIC THROUGH WELLAND, ST. LAWRENCE AND SAULT STE. MARIE CANALS, 1940-1965



VESSEL TRAFFIC THROUGH WELLAND, ST. LAWRENCE AND SAULT STE. MARIE CANALS, 1940-1965



SECTION I
SUMMARY FOR ALL CANALS

TABLE 1. Number of Vessel Transits and Passengers Through Canadian Canals, by Registry of Vessel, and by Canal, 1965 and 1964

Country of registry	St. Lawrence ¹	Welland	Sault Ste. Marie	Canso	Other	Total	
						1965	1964
Canada	4,071	4,310	2,112	1,239	1,290	13,022	14,256
United States	735	740	1,296	54	2	2,827	2,906
United Kingdom ²	916	1,410	46	27	—	2,399	2,043
Other	2,146	1,892	30	138	965	5,171	3,950
Totals	7,868	8,352	3,484	1,458	2,257	23,419	23,155
Passengers	8,324	1,255	157,813	—	1,312	168,704	140,131

¹ Includes non-toll traffic through the Lachine and Cornwall Canals.

² Includes other British Commonwealth.

TABLE 2. Net Registered Tonnage of Vessels Through Canadian Canals, by Registry of Vessel, and by Canal, 1965 and 1964

Country of registry	St. Lawrence ¹	Welland	Sault Ste. Marie	Canso	Other	Total	
						1965	1964
Canada	15,718,225	22,894,431	3,067,598	851,345	187,674	42,719,273	40,025,355
United States	1,385,648	2,119,854	449,629	11,474	10	3,966,615	5,461,310
United Kingdom ²	3,911,014	6,688,685	200,234	52,587	—	10,852,520	9,494,484
Other	7,877,836	6,844,525	67,461	173,640	—	14,963,462	13,176,847
Totals	28,892,723	38,547,495	3,784,922	1,089,046	187,684	72,501,870	68,157,996

¹ Includes non-toll traffic through the Lachine and Cornwall Canals.

² Includes other British Commonwealth.

TABLE 3. Cargo Tonnage Through Canadian Canals, by Commodity Section Totals, and by Canal, 1965 and 1964

Commodity sections	St. Lawrence ¹	Welland	Sault Ste. Marie	Canso	Other	Total	
						1965	1964
Live animals	—	—	—	1,456	—	1,456	—
Food, feed, beverages and tobacco	16,963,752	17,206,075	284,419	191,265	1,316	34,646,827	34,119,845
Crude materials, inedible	15,329,730	28,494,441	198,784	222,161	12	44,245,128	45,060,681
Fabricated materials, inedible	9,997,156	6,889,171	492,941	644,399	87,879	18,111,546	11,852,577
End products, inedible	353,093	271,440	719	13	785	626,050	641,092
Miscellaneous freight, n.e.s.	126,090	69,379	26,814	23,111	552	245,946	235,885
Domestic package freight	608,842	506,090	403,232	—	—	1,518,164	1,366,770
Totals	43,378,663	53,436,596	1,406,909	1,082,405	90,544	99,395,117	93,276,850

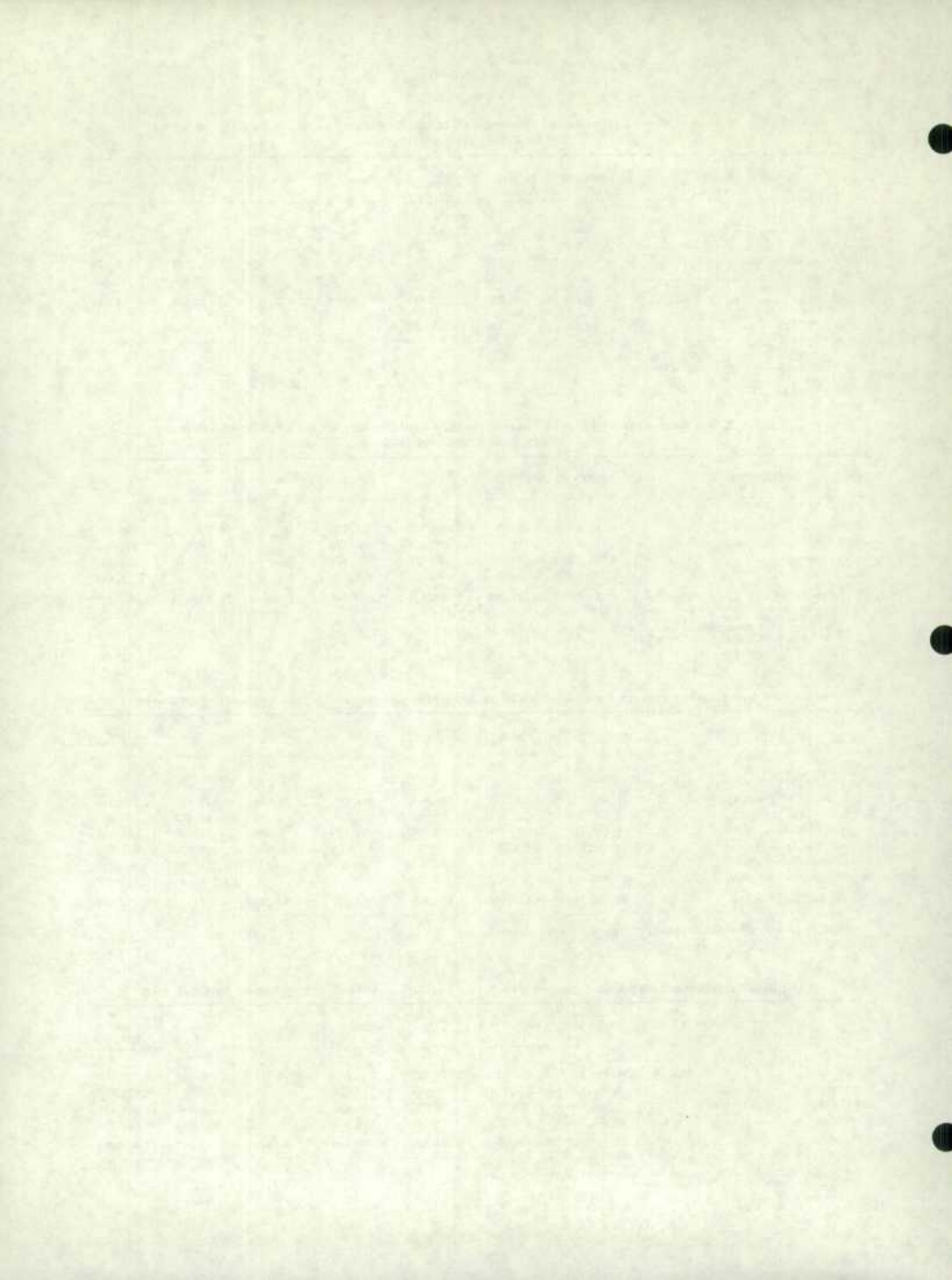
¹ Includes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 4. Cargo Tonnage Through Canadian Canals, by Registry of Vessel, and by Canal, 1965 and 1964

Country of registry	St. Lawrence ¹	Welland	Sault Ste. Marie	Canso	Other	Total	
						1965	1964
Canada	24,804,863	32,606,422	1,321,251	901,809	90,544	59,724,889	58,138,463
United States	1,979,703	3,003,094	48,780	250	—	5,031,827	7,939,695
United Kingdom ²	5,818,034	8,753,762	8,332	43,920	—	14,624,048	12,111,198
Other	10,776,063	9,073,318	28,546	136,426	—	20,014,353	15,087,494
Totals	43,378,663	53,436,596	1,406,909	1,082,405	90,544	99,395,117	93,276,850

¹ Includes non-toll traffic through the Lachine and Cornwall Canals.

² Includes other British Commonwealth.



SECTION II

ST. LAWRENCE SEAWAY CANALS

ST. LAWRENCE CANALS
TABLE 5. Location and Description

	From	To	Length of channel	LOCKS			
				Number	Minimum dimensions		
					Length	Width	Depth
			miles	feet			
Main route: ¹							
South Shore Canal	Montreal	Caughnawaga	20	2	766 ²	80	30
Beauharnois Canal	Melochville	Lake St. Francis	15	2	766 ²	80	30
Iroquois Canal	Iroquois Point		1	1	766 ²	80	30
Non-toll canals:							
Lachine Canal	Montreal	Lachine	8.74	5	270	45	14
Cornwall (not through canal)	Cornwall	Closure dyke	3.50	4	270	43.67	14

¹ Excludes Wiley-Dondero Canal and two locks near Massena, N.Y. under United States authority. Dimensions are essentially the same as Canadian locks.

² Breastwall to fender.

TABLE 6. Historical Summary, 1956-65¹

Country of registry	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Vessel transits										
Upbound:										
Canada	5,227	5,082	4,851	4,736	4,158	3,441	2,584	2,436	2,433	2,019
United States	92	161	193	340	631	366	356	248	335	353
United Kingdom ²	78	104	87	298	333	424	462	343	386	452
Other	338	362	516	851	891	875	886	821	981	1,059
Totals	5,735	5,729	5,647	6,225	6,013	5,106	4,288	3,848	4,135	3,883
Downbound:										
Canada	5,374	5,133	4,835	4,853	4,178	3,442	2,827	2,425	2,543	2,052
United States	111	189	176	350	629	387	359	262	348	382
United Kingdom ²	93	117	81	308	332	432	462	344	296	464
Other	337	378	506	840	888	890	895	831	1,056	1,087
Totals	5,915	5,817	5,598	6,351	6,027	5,151	4,543	3,862	4,243	3,986
Grand totals	11,650	11,546	11,245	12,576	12,040	10,257	8,831	7,710	8,378	7,869
Net registered tonnage										
Upbound:										
Canada	4,519,684	3,987,352	4,030,044	5,322,137	4,614,030	5,589,350	5,555,742	6,847,459	7,362,725	7,864,293
United States	39,562	40,187	57,941	507,176	520,540	269,380	494,527	684,956	1,068,076	701,834
United Kingdom ²	56,528	65,724	55,508	803,757	987,579	1,316,171	1,366,560	1,371,721	1,589,815	1,935,090
Other	286,072	321,122	427,427	2,038,223	2,583,006	2,593,124	2,814,194	2,652,383	3,402,425	3,900,083
Totals	4,901,846	4,414,385	4,570,920	8,671,293	8,705,155	9,768,025	10,231,023	11,556,519	13,423,041	14,401,300
Downbound:										
Canada	4,684,266	4,029,862	4,025,615	5,392,196	4,532,602	5,508,151	5,637,593	6,803,604	7,378,564	7,853,932
United States	43,621	49,339	53,554	468,942	527,828	296,551	504,350	689,388	1,061,269	683,814
United Kingdom ²	68,883	80,647	51,139	812,951	971,340	1,330,289	1,363,849	1,372,759	1,601,211	1,975,924
Other	286,035	316,716	416,682	2,017,016	2,596,680	2,630,189	2,851,098	2,716,127	3,372,502	3,977,753
Totals	5,082,805	4,476,564	4,546,990	8,691,105	8,628,450	9,765,180	10,356,890	11,581,878	13,413,546	14,491,423
Grand totals	9,984,651	8,890,949	9,117,910	17,362,398	17,333,605	19,533,205	20,587,913	23,138,397	26,836,587	28,892,723
Cargo tonnage										
Upbound:										
Canada	5,323,540	4,686,603	4,099,722	8,085,427	5,610,185	5,585,557	7,006,988	8,398,216	12,097,966	13,439,212
United States	2,200	235	925	510,245	308,849	189,285	441,045	1,304,277	2,261,505	1,316,474
United Kingdom ²	71,453	60,226	78,254	708,082	1,034,710	1,139,442	1,459,496	1,582,221	1,620,333	2,655,758
Other	381,103	341,733	491,346	1,851,215	1,910,581	1,333,953	2,041,140	2,374,369	2,636,322	4,763,283
Totals	5,778,296	5,088,797	4,670,247	11,154,969	8,864,325	8,248,237	10,948,669	13,659,083	18,616,126	22,174,727
Downbound:										
Canada	7,243,194	6,569,682	6,495,606	5,747,249	5,855,170	8,801,205	7,690,684	10,697,139	11,637,726	11,365,651
United States	52,114	45,173	29,181	169,684	244,272	337,203	518,187	649,302	1,082,419	663,229
United Kingdom ²	72,735	83,734	63,809	1,266,991	1,654,228	1,935,888	2,036,230	1,998,712	2,688,569	3,162,276
Other	353,359	404,106	503,257	2,882,387	4,134,166	4,350,292	4,554,051	4,160,096	5,415,333	6,012,780
Totals	7,721,402	7,102,695	7,091,853	10,066,311	11,887,836	15,424,588	14,799,152	17,505,249	20,824,047	21,203,936
Grand totals	13,499,698	12,191,492	11,762,100	21,221,280	20,732,161	23,672,825	25,747,821	31,164,332	39,440,173	43,378,663
Season of navigation										
First vessel passage	April 12	April 10	April 14	April 25	April 18	April 11	April 23	April 15	April 8	April 8
Last vessel passage	Dec. 13	Dec. 13	Dec. 19	Dec. 3	Dec. 3	Dec. 12	Dec. 4	Dec. 13	Dec. 7	Dec. 8

¹ Includes non-toll traffic through the Lachine and Cornwall Canals.

² Includes other British Commonwealth.

TABLE 7. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the St. Lawrence Canals Section of the Seaway, by Kind of Vessel¹

Kind of vessel	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
	In ballast	With cargo	Total				
Upbound:							
Cargo	434	2,028	2,462	11,947,845	18,141,409	18,775,947	54
Passenger-cargo	149	80	229	280,928	500,135	255,615	3,484
Cargo-passenger	13	222	235	575,743	1,027,721	618,219	417
Scow, barge, etc.	5	—	5	2,872	3,115	—	—
Tug and scow	105	5	110	45,752	62,965	487	—
Tanker	42	460	502	1,438,555	2,336,705	2,524,459	—
Tug or dredge	119	—	119	17,118	21,756	—	—
Naval or Government ..	162	—	162	78,399	93,459	—	—
Other	29	—	29	6,765	10,165	—	—
Totals	1,058	2,795	3,853	14,393,975	22,197,430	22,174,727	3,955
Downbound:							
Cargo	340	2,154	2,494	12,107,774	18,388,866	19,105,587	36
Passenger-cargo	147	63	210	219,873	392,413	267,818	4,097
Cargo-passenger	2	265	267	628,071	1,123,765	1,021,558	236
Scow, barge, etc.	10	—	10	1,689	1,999	—	—
Tug and scow	97	12	109	51,602	72,187	13,975	—
Tanker	391	97	488	1,384,178	2,247,093	794,763	—
Tug or dredge	126	—	126	14,746	19,300	—	—
Naval or Government ..	202	—	202	69,642	92,729	—	—
Other	46	—	46	6,803	10,547	—	—
Totals	1,361	2,591	3,952	14,484,178	22,348,899	21,203,701	4,369
Grand totals	2,419	5,386	7,805	28,878,153	44,546,329	43,378,428	8,324

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 8. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the St. Lawrence Canals Section of the Seaway, by Registry of Vessel¹

Country of registry	Number of Vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
	In ballast	With cargo	Total				
Upbound:							
Canada	619	1,370	1,989	7,856,968	11,304,403	13,439,212	—
United States	264	89	353	701,834	1,028,420	1,316,474	3,411
United Kingdom	41	306	347	1,375,182	2,318,386	1,664,188	147
Other British Commonwealth ..	12	93	105	559,908	804,204	991,570	—
Belgium	2	3	5	53,378	63,441	39,024	—
Denmark	2	16	18	32,324	63,117	45,396	—
Finland	—	23	23	34,637	59,743	52,590	—
France	9	32	41	181,178	332,915	168,505	—
Germany	11	212	223	571,336	979,407	769,283	272
Greece	8	64	72	337,470	561,385	552,941	—
Italy	4	25	29	146,585	257,754	219,154	—
Netherlands	7	41	48	110,218	193,883	106,233	4
Norway	35	242	277	1,168,814	2,051,166	1,182,206	44
Sweden	19	85	104	244,046	464,117	235,166	20
Other European	5	29	34	141,977	245,439	140,958	55
Panama	3	15	18	71,097	120,023	97,215	—
Middle East	1	32	33	86,613	158,490	103,703	—
Other Asian	—	42	42	210,849	355,063	289,539	2
Liberia	16	68	84	477,571	780,738	730,448	—
Other	—	8	8	31,990	55,336	30,922	—
Totals	1,058	2,795	3,853	14,393,975	22,197,430	22,174,727	3,955
Downbound:							
Canada	890	1,129	2,019	7,846,687	11,271,059	11,365,416	1
United States	310	72	382	683,814	1,017,075	663,229	4,083
United Kingdom	49	310	359	1,413,786	2,382,596	2,153,818	68
Other British Commonwealth ..	12	93	105	562,138	803,213	1,008,458	—
Belgium	—	5	5	55,663	63,441	69,812	—
Denmark	7	14	21	36,635	74,914	78,344	—
Finland	2	22	24	23,988	47,280	44,637	—
France	1	40	41	193,054	349,581	371,802	—
Germany	7	218	225	567,847	975,578	975,539	125
Greece	18	53	71	332,509	553,079	424,284	—
Italy	—	29	29	147,032	259,184	272,823	—
Netherlands	—	52	52	111,077	197,259	210,284	39
Norway	24	256	280	1,185,794	2,075,664	1,860,646	21
Sweden	1	106	107	257,273	487,815	322,348	6
Other European	1	33	34	138,919	238,472	218,973	26
Panama	3	16	19	75,425	127,156	133,757	—
Middle East	1	35	36	91,621	169,638	110,922	—
Other Asian	4	39	43	212,898	360,427	213,652	—
Liberia	30	62	92	519,641	845,894	861,165	—
Other	1	7	8	28,377	49,574	43,792	—
Totals	1,361	2,591	3,952	14,484,178	22,348,899	21,203,701	4,369
Grand Totals	2,419	5,386	7,805	28,878,153	44,546,329	43,378,428	8,324

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

Table 9. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the St. Lawrence Canals Section of the Seaway, by Length of Vessel¹

Length of vessel	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
	In ballast	With cargo	Total				
Upbound:							
Under 80 feet	361	—	361	10,368	11,382	—	3,040
80 to 119 feet	96	35	131	22,863	29,411	10,221	—
120 " 159 "	52	35	87	30,578	48,046	19,247	—
160 " 199 "	17	12	29	11,063	21,777	7,992	—
200 " 239 "	18	13	31	24,169	36,407	6,172	—
240 " 279 "	152	402	554	773,864	1,179,355	1,176,157	7
280 " 319 "	10	160	170	235,086	392,923	377,072	14
320 " 359 "	57	248	305	652,348	1,019,262	935,291	440
360 " 399 "	18	288	306	703,790	1,190,668	1,060,228	98
400 " 439 "	35	291	326	994,839	1,720,389	1,051,763	96
440 " 479 "	62	251	313	1,214,632	2,084,164	1,179,065	175
480 " 519 "	68	262	330	1,693,206	2,839,220	1,834,069	44
520 " 559 "	57	247	304	1,849,818	2,881,584	2,669,962	41
560 " 599 "	13	43	56	399,842	623,418	554,198	—
600 " 639 "	18	150	168	1,279,612	1,831,808	2,515,939	—
640 " 679 "	4	76	80	717,591	995,935	1,552,992	—
680 " 759 "	20	282	302	3,780,306	5,291,681	7,224,359	—
Totals	1,058	2,795	3,853	14,393,975	22,197,430	22,174,727	3,955
Downbound:							
Under 80 feet	401	1	402	12,430	17,043	2,284	3,705
80 to 119 feet	162	5	167	29,812	39,068	1,852	—
120 " 159 "	63	20	83	25,888	40,549	9,223	—
160 " 199 "	26	6	32	12,933	24,631	5,349	—
200 " 239 "	16	16	32	23,340	36,031	18,370	—
240 " 279 "	241	310	551	770,596	1,171,909	908,236	—
280 " 319 "	20	149	169	232,481	391,455	419,737	—
320 " 359 "	105	204	309	657,926	1,032,160	802,670	—
360 " 399 "	77	230	307	706,275	1,193,202	719,680	85
400 " 439 "	19	323	342	1,057,034	1,814,852	1,492,815	65
440 " 479 "	19	297	316	1,205,815	2,072,361	1,882,251	59
480 " 519 "	9	324	333	1,729,597	2,907,500	2,873,139	52
520 " 559 "	54	246	300	1,806,944	2,827,754	2,862,580	—
560 " 599 "	17	40	57	402,611	628,428	519,277	—
600 " 639 "	19	143	162	1,237,511	1,763,141	2,188,989	—
640 " 679 "	21	67	88	778,301	1,089,860	1,215,326	—
680 " 759 "	92	210	302	3,794,684	5,298,955	5,281,923	1
Totals	1,361	2,591	3,952	14,484,178	22,348,899	21,203,701	4,369
Grand totals	2,419	5,386	7,805	28,878,153	44,546,329	43,378,428	8,324

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

Table 10. Number and Tonnage of Vessels Upbound Through the St. Lawrence Canals Section of the Seaway, by Origin, by Registry of Vessel, and by Destination¹

Origin and country of registry	Destined to						Total		
	Canada			United States			Number of vessels	Net registered tonnage	Gross registered tonnage
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage			
Ports on the St. Lawrence River									
Country or registry:									
Canada	1,128	3,031,001	4,477,547	797	4,439,273	6,204,213	1,925	7,470,274	10,681,760
United States	1	721	721	307	497,344	730,841	308	498,065	731,562
United Kingdom	12	47,009	73,249	56	281,700	397,318	68	328,709	470,567
Other British Commonwealth	6	31,307	46,279	87	475,688	667,562	93	506,995	713,841
Belgium	—	—	—	1	13,244	14,716	1	13,244	14,716
Denmark	1	732	1,099	—	—	—	1	732	1,099
Germany	1	1,629	2,387	2	5,540	10,007	3	7,169	12,394
Greece	2	16,868	27,350	1	3,170	5,574	3	20,038	32,924
Norway	1	1,296	2,791	—	—	—	1	1,296	2,791
Totals	1,152	3,130,563	4,631,423	1,251	5,715,959	8,030,231	2,403	8,846,522	12,661,654

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 10. Number and Tonnage of Vessels Upbound Through the St. Lawrence Canals Section of the Seaway, by Origin, by Registry of Vessel, and by Destination¹ - Concluded

Origin and country of registry	Destined to						Total		
	Canada			United States			Number of vessels	Net registered tonnage	Gross registered tonnage
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage			
Ports other than on the St. Lawrence River									
Country of registry:									
Canada	47	310,045	503,136	17	76,649	119,507	64	386,694	622,643
United States	1	99	146	44	203,670	296,712	45	203,769	296,858
United Kingdom	87	271,495	492,996	192	774,978	1,354,823	279	1,046,473	1,847,819
Other British Commonwealth	2	11,170	17,768	10	41,743	72,595	12	52,913	90,363
Belgium	—	—	—	4	40,134	48,725	4	40,134	48,725
Denmark	8	8,673	16,376	9	22,919	45,642	17	31,592	62,018
Finland	1	2,212	4,071	22	32,425	55,672	23	34,637	59,743
France	4	13,840	25,686	37	167,338	307,229	41	181,178	332,915
Germany	26	41,155	70,438	194	523,012	896,575	220	564,167	967,013
Greece	22	118,583	198,773	47	198,849	329,688	69	317,432	528,461
Italy	2	11,126	19,209	27	135,459	238,545	29	146,585	257,754
Netherlands	2	6,350	11,768	46	103,868	182,115	48	110,218	193,883
Norway	56	255,524	444,904	220	911,994	1,603,471	276	1,167,518	2,048,375
Sweden	14	26,673	49,777	90	217,373	414,340	104	244,046	464,117
Other European	4	11,755	22,451	30	130,222	222,988	34	141,977	245,439
Panama	3	7,572	13,217	15	63,525	106,806	18	71,097	120,023
South American	—	9,730	16,322	—	—	—	2	9,730	16,322
Middle East	4	18,074	29,252	29	68,539	129,238	33	86,613	158,490
Other Asian	2	10,066	17,422	40	200,783	337,641	42	210,849	355,063
Liberia	32	186,810	314,346	52	290,761	466,392	84	477,571	780,738
Other African	—	—	—	6	22,260	39,014	6	22,260	39,014
Totals	319	1,320,952	2,268,058	1,131	4,226,501	7,267,718	1,450	5,547,453	9,535,776
Grand totals - Upbound	1,471	4,451,515	6,899,481	2,382	9,942,460	15,297,949	3,853	14,393,975	22,197,430

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 10A. Number and Tonnage of Vessels Downbound Through the St. Lawrence Canals Section of the Seaway, by Destination, by Registry of Vessel, and by Origin¹

Destination and country of registry	Originating in						Total		
	Canada			United States			Number of vessels	Net registered tonnage	Gross registered tonnage
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage			
Ports on the St. Lawrence River									
Country of Registry:									
Canada	1,476	5,417,551	7,781,947	471	1,996,687	2,788,321	1,947	7,414,238	10,570,268
United States	—	—	—	303	468,195	688,587	303	468,195	688,587
United Kingdom	27	124,203	179,862	44	217,050	302,776	71	341,253	482,638
Other British Commonwealth	33	167,704	245,073	62	347,995	480,565	95	515,699	725,638
Germany	1	782	1,552	—	—	—	1	782	1,552
Greece	2	9,766	16,263	—	—	—	2	9,766	16,263
Norway	1	5,417	8,943	3	11,123	19,664	4	16,540	28,607
Sweden	1	4,673	8,544	—	—	—	1	4,673	8,544
Liberia	—	—	—	1	5,600	8,529	1	5,600	8,529
Totals	1,541	5,730,096	8,242,184	884	3,046,650	4,288,442	2,425	8,776,746	12,530,626
Ports other than on the St. Lawrence River									
Country of registry:									
Canada	63	357,552	577,776	10	77,647	125,765	73	435,199	703,541
United States	1	2,952	5,517	78	212,667	322,971	79	215,619	328,488
United Kingdom	99	303,766	555,989	189	768,767	1,343,969	288	1,072,533	1,899,958
Other British Commonwealth	3	15,413	24,901	7	31,026	52,674	10	46,439	77,575
Belgium	—	—	—	5	55,663	63,441	5	55,663	63,441
Denmark	8	8,673	16,376	13	27,962	58,538	21	36,635	74,914
Finland	2	7,450	13,141	22	16,538	34,139	24	23,988	47,280
France	7	28,790	50,104	33	161,514	296,727	40	190,304	346,831
Germany	26	42,668	74,718	198	524,397	899,308	224	567,065	974,026
Greece	22	132,314	219,916	47	190,429	316,900	69	322,743	536,816
Italy	2	12,184	21,847	27	134,848	237,337	29	147,032	259,184
Netherlands	3	7,769	15,170	49	103,308	182,089	52	111,077	197,259
Norway	56	253,170	442,719	220	916,084	1,604,338	276	1,169,254	2,047,057
Sweden	16	28,877	55,848	90	224,966	424,903	106	253,843	480,751
Other European	4	9,978	19,385	30	128,941	219,087	34	138,919	238,472
Panama	3	6,387	11,410	16	69,038	115,746	19	75,425	127,156
South American Countries	1	3,159	5,392	1	3,212	6,102	2	6,371	11,494
Middle East Countries	4	17,617	29,055	32	74,004	140,583	36	91,621	169,638
Other Asian Countries	2	10,066	17,422	41	202,832	343,005	43	212,898	360,427
Liberia	38	221,277	367,951	53	292,764	469,414	91	514,041	837,365
Other African Countries	1	2,885	5,184	5	17,878	31,416	6	20,763	36,600
Totals	361	1,472,947	2,529,821	1,166	4,234,485	7,288,452	1,527	5,707,432	9,818,273
Grand totals - Downbound	1,902	7,203,043	10,772,005	2,050	7,281,135	11,576,894	3,952	14,484,178	22,348,899

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals only.

TABLE 11. Number and Tonnage of Vessels Through the St. Lawrence Canals Section of the Seaway.
by Registry of Vessel and by Rig¹

Country of registry	Steam			Motor			Other			Total		
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Upbound:												
Canada	1,018	5,951,622	8,599,919	881	1,871,220	2,662,101	91	34,139	42,400	1,990	7,856,981	11,304,420
United States	104	630,902	928,083	224	56,434	76,640	25	14,498	23,697	353	701,834	1,028,420
United Kingdom	115	502,345	776,993	231	872,824	1,541,376	—	—	—	346	1,375,169	2,318,369
Other British Commonwealth	92	498,215	702,023	13	61,693	102,181	—	—	—	105	559,908	804,204
Belgium	—	—	—	5	53,378	63,441	—	—	—	5	53,378	63,441
Denmark	2	1,174	2,344	16	31,150	60,773	—	—	—	18	32,324	63,117
Finland	—	—	—	23	34,637	59,743	—	—	—	23	34,637	59,743
France	—	—	—	41	181,178	332,915	—	—	—	41	181,178	332,915
Germany	2	4,071	6,771	221	567,265	972,636	—	—	—	223	571,336	979,407
Greece	33	202,818	329,148	39	134,652	232,237	—	—	—	72	337,470	561,385
Italy	4	21,162	34,655	25	125,423	223,099	—	—	—	29	146,585	257,754
Netherlands	2	9,626	16,718	46	100,592	177,165	—	—	—	48	110,218	193,883
Norway	3	7,468	13,505	274	1,161,346	2,037,661	—	—	—	277	1,168,814	2,051,166
Sweden	3	10,667	21,045	101	233,379	443,072	—	—	—	104	244,046	464,117
Other European	—	—	—	34	141,977	245,439	—	—	—	34	141,977	245,439
Panama	4	14,074	23,600	14	57,023	96,423	—	—	—	18	71,097	120,023
South American Countries	2	9,730	16,322	—	—	—	—	—	—	2	9,730	16,322
Middle East Countries	4	21,246	34,046	29	65,367	124,444	—	—	—	33	86,613	158,490
Other Asian Countries	5	24,473	36,595	37	186,376	318,468	—	—	—	42	210,849	355,063
Liberia	30	166,138	268,626	54	311,433	512,112	—	—	—	84	477,571	780,738
Other African Countries	—	—	—	6	22,260	39,014	—	—	—	6	22,260	39,014
Totals	1,423	8,075,731	11,810,393	2,314	6,269,607	10,320,940	116	48,637	66,097	3,853	14,393,975	22,197,430
Downbound:												
Canada	1,010	5,928,095	8,547,020	917	1,890,375	2,687,437	93	28,230	36,619	2,020	7,846,700	11,271,076
United States	98	568,044	850,740	257	90,701	128,750	27	25,069	37,585	382	683,814	1,017,075
United Kingdom	124	543,537	837,450	234	870,236	1,545,129	—	—	—	359	1,413,773	2,382,579
Other British Commonwealth	95	516,612	727,838	10	45,526	75,375	—	—	—	105	562,138	803,213
Belgium	—	—	—	5	55,663	63,441	—	—	—	5	55,663	63,441
Denmark	1	579	1,110	20	36,056	73,804	—	—	—	21	36,635	74,914
Finland	1	279	499	23	23,709	46,781	—	—	—	24	23,988	47,280
France	—	—	—	41	193,054	349,581	—	—	—	41	193,054	349,581
Germany	1	976	1,840	224	566,871	973,738	—	—	—	225	567,847	975,578
Greece	38	210,622	341,207	33	121,887	211,672	—	—	—	71	332,509	553,079
Italy	3	15,570	26,103	26	131,462	233,081	—	—	—	29	147,032	259,184
Netherlands	1	4,804	8,346	51	106,273	188,913	—	—	—	52	111,077	197,259
Norway	7	28,931	50,751	273	1,156,863	2,024,913	—	—	—	280	1,185,794	2,075,664
Sweden	1	1,413	2,754	105	252,648	478,959	—	—	—	106	254,061	481,713
Other European	1	4,557	8,271	34	137,574	236,303	—	—	—	35	142,131	244,574
Panama	8	27,125	45,336	11	48,300	81,820	—	—	—	19	75,425	127,156
South American Countries	1	3,159	5,392	—	—	—	—	—	—	1	3,159	5,392
Middle East Countries	2	10,187	16,382	34	81,434	153,256	—	—	—	35	91,621	169,638
Other Asian Countries	5	23,770	36,099	38	189,128	324,328	—	—	—	43	212,898	360,427
Liberia	32	181,470	293,509	60	338,171	552,385	—	—	—	92	519,641	845,894
Other African Countries	—	—	—	7	25,218	44,182	—	—	—	7	25,218	44,182
Totals	1,429	8,069,730	11,800,647	2,403	6,361,149	10,474,048	120	53,299	74,204	3,952	14,484,178	22,348,899
Grand totals	2,852	16,145,461	23,611,040	4,717	12,630,756	20,794,988	236	101,936	140,301	7,805	28,878,153	44,546,329

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals only.

TABLE 12. Number and Tonnage of Vessels Through the St. Lawrence Canals Section of the Seaway, by Kind and Length of Vessel¹

Kind and length of vessel	Upbound			Downbound			Total		
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Cargo:									
Under 80 feet	145	1,595	1,595	147	3,331	6,825	292	4,926	8,420
80 to 119 feet	33	4,907	6,488	33	4,905	6,541	66	9,812	13,029
120 " 159 "	37	8,001	15,058	38	8,245	15,343	75	16,246	30,401
160 " 199 "	13	4,170	7,813	13	4,432	7,813	26	8,602	15,626
200 " 239 "	14	5,689	9,936	14	5,668	9,936	28	11,337	19,872
240 " 279 "	327	477,819	704,615	331	484,554	713,254	658	962,373	1,417,669
280 " 319 "	147	199,750	338,734	147	198,011	337,194	294	397,761	675,928
320 " 359 "	237	490,569	783,619	240	495,122	793,792	477	985,691	1,577,411
360 " 399 "	237	516,168	900,226	242	525,833	914,460	479	1,042,001	1,814,686
400 " 439 "	300	905,886	1,583,993	316	967,966	1,679,506	616	1,873,852	3,263,499
440 " 479 "	310	1,204,611	2,066,951	312	1,194,123	2,054,033	622	2,398,734	4,120,984
480 " 519 "	294	1,531,108	2,555,458	303	1,575,560	2,636,156	597	3,106,668	5,191,612
520 " 559 "	248	1,461,098	2,247,865	247	1,457,515	2,238,004	495	2,918,613	4,485,869
560 " 599 "	37	249,544	374,558	41	276,945	419,895	78	526,489	794,453
600 " 639 "	165	1,245,724	1,784,742	159	1,203,623	1,716,077	324	2,449,347	3,500,819
640 " 679 "	80	717,591	995,935	86	755,201	1,057,260	166	1,472,792	2,053,195
680 " 759 "	302	3,780,306	5,291,681	302	3,794,684	5,298,955	604	7,574,990	10,590,636
Totals	2,926	12,804,516	19,669,265	2,971	12,955,718	19,905,044	5,897	25,760,234	39,574,309
Barge or scow:									
Under 60 feet	2	305	305	7	577	590	9	882	895
80 to 119 feet	—	—	—	1	210	210	1	210	210
120 " 159 "	1	426	426	1	426	427	2	852	853
160 " 199 "	—	—	—	1	476	772	1	476	772
200 " 239 "	2	2,141	2,384	—	—	—	2	2,141	2,384
Totals	5	2,872	3,115	10	1,689	1,999	15	4,561	5,114
Tug and scow:									
Under 80 feet	35	5,014	5,352	39	4,291	4,539	74	9,305	9,891
80 to 119 feet	27	8,100	8,566	30	6,514	11,041	57	16,614	19,607
120 " 159 "	23	13,086	19,347	17	9,303	12,847	40	22,389	32,194
160 " 199 "	8	2,841	6,345	8	2,854	6,444	16	5,695	12,789
200 " 239 "	5	5,845	7,929	7	7,671	8,866	12	13,516	16,797
240 " 279 "	6	7,605	12,169	6	7,067	11,796	12	14,672	23,965
280 " 319 "	1	1,034	1,034	—	—	—	1	1,034	1,034
320 " 359 "	5	2,020	2,020	—	—	—	5	2,020	2,020
360 " 399 "	1	220	220	1	352	352	2	572	572
400 " 439 "	—	—	—	1	11,550	16,300	1	11,550	16,300
Totals	111	45,765	62,982	109	51,602	72,187	220	97,367	135,169
Tanker:									
200 to 239 feet	2	763	1,551	2	763	1,551	4	1,526	3,102
240 " 279 "	220	287,266	459,317	214	278,975	446,659	434	566,243	906,176
280 " 319 "	21	33,582	52,435	20	31,970	49,902	41	65,552	102,337
320 " 359 "	68	161,779	235,643	68	161,355	235,653	136	323,134	471,496
360 " 399 "	57	158,375	257,931	56	155,437	252,665	113	313,812	510,596
400 " 439 "	25	86,203	133,646	25	66,318	132,596	50	172,521	266,242
440 " 479 "	3	10,021	17,213	2	6,692	11,328	5	16,713	28,541
480 " 519 "	31	160,078	281,744	30	154,037	271,344	61	314,115	553,088
520 " 559 "	53	356,300	601,299	52	349,077	589,398	105	705,377	1,190,697
560 " 599 "	19	150,298	248,860	16	125,666	208,533	35	275,964	457,393
600 " 639 "	3	33,888	47,066	3	33,888	47,064	6	67,776	94,130
Totals	502	1,438,555	2,336,705	488	1,384,178	2,247,093	990	2,822,733	4,583,798
Tug or dredge:									
Under 80 feet	51	1,440	1,912	54	1,878	2,501	105	3,318	4,413
80 to 119 feet	61	8,628	11,152	70	11,133	13,511	131	19,761	24,663
120 " 159 "	1	2,044	2,044	—	—	—	1	2,044	2,044
160 " 199 "	1	368	456	—	—	—	1	368	456
200 " 239 "	4	4,623	6,175	2	1,735	3,288	6	6,358	9,463
Totals	118	17,103	21,739	126	14,746	19,300	244	31,849	41,039
Other:									
Under 80 feet	129	2,018	2,222	155	2,353	2,588	284	4,371	4,810
80 to 119 feet	10	1,228	3,205	33	5,050	7,765	43	6,278	10,970
120 " 159 "	25	7,021	11,171	27	7,914	11,932	52	14,935	23,103
160 " 199 "	7	3,684	7,163	10	5,171	9,602	17	8,855	16,765
200 " 239 "	4	5,128	8,432	7	7,503	12,388	11	12,631	20,820
240 " 279 "	1	1,172	3,254	—	—	—	1	1,172	3,254
280 " 319 "	1	1,750	1,750	2	2,500	4,359	3	4,250	6,109
320 " 359 "	—	—	—	1	1,449	2,515	1	1,449	2,515
360 " 399 "	11	28,213	31,477	9	25,005	26,077	20	53,218	57,554
400 " 439 "	1	2,750	2,750	2	5,250	6,250	3	8,000	9,000
440 " 479 "	—	—	—	1	2,500	3,500	1	2,500	3,500
480 " 519 "	2	32,200	32,200	—	—	—	2	32,200	32,200
520 " 559 "	—	—	—	1	11,550	16,300	1	11,550	16,300
560 " 599 "	—	—	—	—	—	—	—	—	—
Totals	191	85,164	103,624	248	76,245	103,276	439	161,409	206,900
Grand totals	3,853	14,393,975	22,197,430	3,952	14,484,178	22,348,899	7,805	28,878,153	44,546,329

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals only.

Table 13. Number and Tonnage of Vessels Through the St. Lawrence Canals Section of the Seaway, by Kind and Draft of Vessel¹

Kind and draft of vessel	Upbound			Downbound			Total		
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Cargo:									
5 feet and under	145	1,595	1,595	144	5,231	8,209	289	6,826	9,804
6 to 7 feet	—	—	—	5	701	1,170	5	701	1,170
8 " 9 "	10	7,131	10,763	12	2,049	3,142	22	9,180	13,905
10 " 11 "	23	10,261	18,335	18	6,599	11,758	41	16,860	30,093
12 " 13 "	89	62,654	104,206	70	33,393	54,649	159	96,047	158,855
14 " 15 "	89	137,650	225,697	72	102,928	160,760	161	240,578	386,457
16 " 17 "	236	553,703	930,801	255	547,331	926,064	491	1,101,034	1,856,865
18 " 19 "	388	714,726	1,124,508	401	716,130	1,121,907	789	1,430,856	2,246,415
20 " 21 "	474	1,672,265	2,582,345	441	1,527,782	2,308,998	915	3,200,047	4,891,343
22 " 23 "	241	991,905	1,479,666	235	970,342	1,442,902	476	1,962,247	2,922,568
24 " 25 "	604	3,303,966	5,155,193	633	3,373,805	5,323,706	1,237	6,677,771	10,478,899
26 " 27 "	526	4,761,594	7,045,377	574	4,988,843	7,424,818	1,100	9,750,437	14,470,195
28 " 29 "	58	333,723	563,975	88	419,912	685,995	126	753,635	1,249,970
30 feet and over	43	253,343	426,804	43	260,672	430,966	86	514,015	857,770
Totals	2,926	12,804,516	19,669,265	2,971	12,955,718	19,905,044	5,897	25,760,234	39,574,309
Barge or scow:									
5 feet and under	3	731	731	10	1,689	1,999	13	2,420	2,730
6 to 7 feet	—	—	—	—	—	—	—	—	—
8 " 9 "	—	—	—	—	—	—	—	—	—
12 " 13 "	2	2,141	2,384	—	—	—	2	2,141	2,384
Totals	5	2,872	3,115	10	1,689	1,999	15	4,561	5,114
Tug and scow:									
5 feet and under	32	7,088	8,887	24	6,202	7,166	56	13,290	16,053
6 to 7 feet	7	2,011	2,151	17	3,647	4,287	24	5,658	6,438
8 " 9 "	26	11,434	13,457	25	5,745	7,963	51	17,179	21,420
10 " 11 "	19	9,150	13,764	14	9,167	9,919	33	18,317	23,683
12 " 13 "	21	9,912	13,989	19	8,778	16,082	40	18,690	30,071
14 " 15 "	—	—	—	2	1,223	1,391	2	1,223	1,391
16 " 17 "	1	1,274	2,120	3	3,822	6,562	4	5,096	8,622
18 " 19 "	4	3,860	6,587	3	12,861	18,535	7	16,721	25,122
14 " 25 "	—	—	—	2	157	282	2	157	282
26 feet and over	1	1,036	2,027	—	—	—	1	1,036	2,027
Totals	111	45,765	62,982	109	51,602	72,187	220	97,367	135,169
Tanker:									
12 to 13 feet	17	20,617	29,734	17	19,579	28,612	34	40,196	58,346
14 " 15 "	73	99,344	142,902	67	92,559	132,369	140	191,903	275,271
16 " 17 "	73	147,019	238,853	69	137,009	224,259	142	284,028	463,112
18 " 19 "	92	138,490	227,449	93	138,663	228,487	185	277,153	453,936
20 " 21 "	36	79,382	129,783	32	70,789	115,239	68	150,171	245,022
22 " 23 "	50	121,613	200,257	51	123,246	203,189	101	244,859	403,446
24 " 25 "	42	154,992	246,491	45	176,898	285,065	87	331,890	531,556
26 " 27 "	83	486,401	809,922	74	419,976	694,928	157	906,377	1,504,850
28 " 29 "	26	112,795	185,311	28	119,049	196,279	54	231,844	381,590
30 feet and over	10	77,902	126,003	12	86,410	140,666	22	164,312	266,669
Totals	502	1,438,555	2,336,705	488	1,384,178	2,247,093	990	2,822,733	4,583,798
Tug or dredge:									
5 feet and under	29	487	565	27	698	775	56	1,185	1,340
6 to 7 feet	12	402	564	14	944	1,031	26	1,346	1,595
8 " 9 "	11	847	951	14	1,120	1,344	25	1,967	2,295
10 " 11 "	13	4,434	6,011	15	2,375	3,878	28	6,809	9,889
12 " 13 "	48	9,856	11,712	54	9,145	11,074	102	19,001	22,786
14 " 15 "	2	587	675	—	—	—	2	587	675
16 " 17 "	1	26	64	1	453	1,180	2	479	1,244
18 " 19 "	2	464	1,197	1	11	18	3	475	1,215
Totals	118	17,103	21,739	126	14,746	19,300	244	31,849	41,039
Other:									
5 feet and under	121	2,029	2,181	145	2,270	2,415	266	4,299	4,596
6 to 7 feet	26	2,977	6,525	35	3,609	7,179	61	6,586	13,704
8 " 9 "	8	2,805	3,316	16	4,651	5,503	24	7,456	8,819
10 " 11 "	12	6,984	12,408	10	6,378	11,129	22	13,362	23,537
12 " 13 "	5	7,680	8,593	22	13,513	17,903	27	21,193	26,486
14 " 15 "	3	3,070	3,672	4	4,182	4,784	7	7,252	8,456
16 " 17 "	2	384	2,358	5	5,187	10,086	7	5,571	12,444
18 " 19 "	5	7,692	10,956	2	2,044	3,116	7	9,736	14,072
20 " 21 "	7	31,371	31,371	8	22,861	24,861	15	54,232	56,232
22 " 23 "	1	1,172	3,254	—	—	—	1	1,172	3,254
24 " 25 "	1	19,000	19,000	—	—	—	1	19,000	19,000
26 " 27 "	—	—	—	1	11,550	16,300	1	11,550	16,300
Totals	191	85,164	103,624	248	76,245	103,276	439	161,409	206,900
Grand totals	3,853	14,393,975	22,197,430	3,952	14,484,178	22,348,899	7,805	28,878,153	44,546,329

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 14. Cargo Tonnage Upbound Through The St. Lawrence Canals Section of the Seaway, by Origin and Destination¹

Origin and country of registry	Destination								
	Canada			United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
Ports on the St. Lawrence River:									
Canada	3,035,380	—	3,035,380	12,211,169	360,662	12,571,831	15,246,549	360,662	15,607,211
United States	—	—	—	2,908	—	2,908	2,908	—	2,908
Totals	3,035,380	—	3,035,380	12,214,077	360,662	12,574,739	15,249,457	360,662	15,610,119
Ports other than on the St. Lawrence River:									
Canada Atlantic ports	604,924	12	604,936	16,740	111,398	128,138	621,664	111,410	733,074
United States Atlantic and Gulf ports	47,792	2,335	50,127	98,861	6,955	105,816	146,653	9,290	155,943
United Kingdom	69,959	203,030	272,989	30,584	554,145	584,729	100,543	757,175	857,718
Other British Commonwealth	261,345	20,822	282,167	80,858	57,128	137,986	342,203	77,950	420,153
Belgium	1,138	240,392	241,530	22,444	971,451	993,895	23,582	1,211,843	1,235,425
Denmark	274	2,251	2,525	3,229	4,807	8,036	3,503	7,058	10,561
Finland	3,484	1,098	4,582	75,409	15,154	90,563	78,893	16,252	95,145
France	140	15,799	15,939	55,798	106,139	161,937	55,938	121,938	177,876
Germany	3,373	83,942	87,315	11,977	356,697	368,674	15,350	440,639	455,989
Greece	—	590	590	40,566	715	41,281	40,566	1,305	41,871
Italy	16,800	43,081	59,881	2,091	73,198	75,289	18,891	116,279	135,170
Netherlands	23,836	88,794	112,630	71,112	104,557	175,669	94,948	193,351	288,299
Norway	7,617	9,745	17,362	7,546	30,507	38,053	15,163	40,252	55,415
Portugal	17	11,640	11,657	51	4,198	4,249	68	15,838	15,906
Sweden	261	11,596	11,857	29,830	28,167	57,997	30,091	39,763	69,854
Other European	14,385	26,968	41,353	43,136	30,340	73,476	57,521	57,308	114,829
Panama	13,339	—	13,339	—	—	—	13,339	—	13,339
Central American and Caribbean Countries	243,700	546	244,246	13,903	—	13,903	257,603	546	258,149
South American Countries	324,205	6,729	330,934	41,625	13,557	55,182	365,830	20,286	386,116
Middle East Countries	—	5,875	5,875	—	1,199	1,199	—	7,074	7,074
Asian Countries	57	58,153	58,210	39,342	880,462	919,804	39,399	938,615	978,014
African Countries	11,158	4,627	15,785	16,346	11,029	27,375	27,504	15,656	43,160
Pacific and Indian Ocean Islands	14,008	1,520	15,528	—	—	—	14,008	1,520	15,528
Totals	1,661,812	839,545	2,501,357	701,448	3,361,803	4,063,251	2,363,260	4,201,348	6,564,608
Grand totals — Upbound	4,697,192	839,545	5,536,737	12,915,525	3,722,465	16,637,990	17,612,717	4,562,010	22,174,727

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.TABLE 14 A. Cargo Tonnage Downbound Through the St. Lawrence Canals Section of the Seaway, by Destination and Origin¹

Destination and country of registry	Origin								
	Canada			United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
Ports on the St. Lawrence River:									
Canada	8,866,306	2,784	8,869,090	4,244,097	199	4,244,296	13,110,403	2,983	13,113,386
United States	976	—	976	71,647	—	71,647	72,623	—	72,623
Totals	8,867,282	2,784	8,870,066	4,315,744	199	4,315,943	13,183,026	2,983	13,186,009
Ports other than on the St. Lawrence River:									
Canada Atlantic ports	249,456	—	249,456	2,100	59	2,159	251,556	59	251,615
United States Atlantic and Gulf ports	—	7,048	7,048	—	—	—	—	7,048	7,048
United Kingdom	724,218	75,802	800,020	1,112,059	69,744	1,181,803	1,836,277	145,546	1,981,823
Other British Commonwealth	11,151	38,363	49,514	99,634	87,181	186,815	110,785	125,544	236,329
Belgium	11,771	6,947	18,718	385,930	32,858	418,788	397,701	39,805	437,506
Denmark	2,209	587	2,796	224,115	3,705	227,820	226,324	4,272	230,596
Finland	8,511	971	9,482	1,273	4,485	5,758	9,784	5,456	15,240
France	19,176	12,261	31,437	163,672	31,757	195,429	182,848	44,018	226,866
Germany	119,206	21,999	141,205	694,548	67,854	762,402	813,754	89,853	903,607
Greece	—	1,996	1,996	16,050	6,270	22,320	16,050	8,266	24,316
Italy	46,215	6,535	52,750	284,588	25,330	309,918	330,803	31,865	362,668
Netherlands	217,872	18,495	236,367	1,564,446	150,546	1,714,992	1,782,318	169,041	1,951,359
Norway	6,470	1,148	7,618	97,747	6,712	104,459	104,217	7,860	112,077
Portugal	2,313	369	2,682	5,377	1,990	7,367	7,690	2,359	10,049
Sweden	135	4,799	4,934	10,751	25,115	35,866	10,886	29,914	40,800
Other European Countries	50,533	12,085	62,618	247,171	55,595	302,766	297,704	67,680	365,384
Central American and Caribbean Countries	4,794	1,340	6,134	16,686	5,394	22,080	21,480	6,734	28,214
South American Countries	28,501	17,811	46,312	114,639	45,077	159,716	143,140	62,888	206,028
Middle East Countries	11,315	2,611	13,926	68,381	33,877	102,258	79,696	36,488	116,184
Asian Countries	11,956	10,312	22,268	307,112	69,329	376,441	319,068	79,641	398,709
African Countries	20,805	4,157	24,962	70,253	16,059	86,312	91,058	20,216	111,274
Totals	1,546,607	245,616	1,792,223	5,486,532	738,937	6,225,469	7,033,139	984,553	8,017,692
Grand totals — Downbound	10,413,889	248,400	10,662,289	9,802,276	739,136	10,541,412	20,216,165	987,536	21,203,701

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals only.

DOMINION BUREAU OF STATISTICS

**TABLE 15. Cargo Tonnage Upbound Through the St. Lawrence Canals Section of the Seaway,
by Origin, and by Registry of Vessel¹**

Origin	Country of registry	Cargo tonnage		
		Bulk	General	Total
Ports on the St. Lawrence River	Canada	12,504,452	300,811	12,805,263
	United States	1,191,141	—	1,191,141
	United Kingdom	651,425	—	651,425
	Other British Commonwealth	874,097	59,842	933,939
	Other European	28,342	9	28,351
	Totals		15,249,457	360,662	15,610,119
Ports other than on the St. Lawrence River	Canada	621,774	12,175	633,949
	United States	70,288	55,045	125,333
	United Kingdom	311,819	700,944	1,012,763
	Other British Commonwealth	27,369	30,262	57,631
	Belgium	—	39,024	39,024
	Denmark	8,614	36,782	45,396
	Finland	5,777	46,813	52,590
	France	17,399	151,106	168,505
	Germany	77,317	691,966	769,283
	Greece	225,735	300,168	525,903
	Italy	15,967	203,187	219,154
	Netherlands	3,430	102,803	106,233
	Norway	439,704	742,502	1,182,206
	Sweden	98,690	134,634	233,324
	Other European	4,872	136,086	140,958
	Panama	10,373	85,529	95,902
	South American Countries	12,838	1,194	14,032
	Middle East Countries	2,850	100,853	103,703
	Other Asian Countries	9,457	280,082	289,539
	Liberia	392,978	337,470	730,448
	Other African Countries	6,009	10,881	16,890
	Australasian Countries	—	1,842	1,842
	Totals		2,363,260	4,201,348	6,564,608
Grand totals — Upbound		17,612,717	4,562,010	22,174,727

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

**TABLE 15 A. Cargo Tonnage Downbound Through the St. Lawrence Canals Section of the Seaway,
by Destination, and by Registry of Vessel¹**

Destination	Country of registry	Cargo tonnage		
		Bulk	General	Total
Ports on the St. Lawrence River	Canada	11,094,985	2,977	11,097,962
	United States	534,187	—	534,187
	United Kingdom	590,456	1	590,457
	Other British Commonwealth	963,398	—	963,398
	Netherlands	—	5	5
	Totals		13,183,026	2,983	13,186,009
Ports other than on the St. Lawrence River	Canada	260,406	7,048	267,454
	United States	64,110	64,932	129,042
	United Kingdom	1,448,924	114,437	1,563,361
	Other British Commonwealth	20,860	24,200	45,060
	Belgium	65,550	4,262	69,812
	Denmark	60,532	17,812	78,344
	Finland	27,543	17,094	44,637
	France	363,679	8,123	371,802
	Germany	788,713	186,826	975,539
	Greece	401,288	22,996	424,284
	Italy	253,119	19,704	272,823
	Netherlands	188,587	21,692	210,279
	Norway	1,712,359	148,287	1,860,646
	Sweden	204,014	108,519	312,533
	Other European	188,829	30,144	218,973
	Panama	130,649	3,108	133,757
	South American	—	401	401
	Middle East Countries	49,695	61,227	110,922
	Other Asian Countries	138,063	75,589	213,652
	Liberia	623,394	37,771	661,165
	Other African Countries	35,937	7,454	43,391
	Pacific and Indian Ocean Islands	6,888	2,927	9,815
	Totals		7,033,139	984,553	8,017,692
Grand totals — Downbound		20,216,165	987,536	21,203,701

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

**TABLE 17. Cargo Tonnage Upbound Through the St. Lawrence Canals Section of the Seaway,
by Commodity, and by Origin and Destination¹**

No.	Commodity	Canada to		United States to		United Kingdom to		
		Canada	United States	Canada	United States	Canada	United States	
		tons						
	Food, feed, beverages and tobacco:							
1	Meat, fresh, chilled or frozen	—	—	—	—	685	31	
2	Meat, cured	—	—	—	—	227	—	
3	Meat and meat preparations, n.e.s.	—	—	—	—	73	—	
4	Fish, fresh, chilled or frozen	—	—	—	—	81	127	
5	Fish, smoked, salted, dried, or pickled	—	—	—	—	—	3	
6	Fish, canned	—	—	—	—	104	153	
7	Lobster	—	—	—	—	—	—	
8	Shell fish, n.e.s.; meat of marine animals and other fishery foods and feeds	—	—	—	—	2	—	
9	Butter	—	—	—	—	—	—	
10	Cheese	—	—	—	—	24	—	
11	Milk powder	—	—	—	—	—	—	
12	Dairy produce, n.e.s.; eggs and honey	—	—	—	—	699	—	
13	Barley	—	—	—	—	—	—	
14	Corn	—	—	—	—	—	—	
15	Oats	—	—	—	—	—	—	
16	Rye	—	—	—	—	—	—	
17	Wheat	—	—	—	—	—	—	
18	Cereals, unmilled, n.e.s.	—	—	—	—	68	—	
19	Corn meal and flour	—	—	—	—	—	—	
20	Corn starch	—	—	—	—	—	11	
21	Malt and malt flour	—	—	—	—	—	—	
22	Wheat flour	—	—	—	—	—	—	
23	Cereals milled, n.e.s.	—	—	—	—	90	3	
24	Bakery products, incl. those frozen	—	—	—	—	950	100	
25	Macaroni and cereal products, and farinaceous substances and flour for use as food	—	—	—	—	31	—	
26	Apples (incl. crab-apples)	—	—	—	—	—	—	
27	Bananas and plantains	—	—	—	—	—	—	
28	Fresh or chilled fruits and berries, n.e.s.	—	—	—	—	—	—	
29	Frozen fruits and berries	—	—	—	—	73	—	
30	Dried and dehydrated fruits	—	—	—	—	—	—	
31	Fruit juices, unfermented, not concentrated, and fruit juice concentrates	—	—	—	—	320	1,034	
32	Fruit pulp and purée (not canned)	—	—	—	—	126	—	
33	Fruits, preserved, not canned, n.e.s.	—	—	—	—	58	8	
34	Fruits and preparations, canned (exc. infant foods)	—	—	775	—	1,453	335	
35	Peanuts, roasted or otherwise prepared	—	—	254	—	—	—	
36	Nuts, except oil nuts, n.e.s.	—	—	—	—	61	—	
37	Potatoes	—	—	—	—	—	—	
38	Vegetables, fresh or chilled, n.e.s.	—	—	—	—	15	—	
39	Vegetables, frozen	—	—	—	—	—	—	
40	Vegetables, dried	—	—	—	—	61	—	
41	Vegetables and vegetable preparations, n.e.s.	—	—	—	21	5	26	
42	Raw sugar	—	—	—	—	—	—	
43	Sugar, n.e.s.	—	—	—	—	29	—	
44	Molasses, crude	—	—	—	11,198	—	—	
45	Molasses, refined	—	—	—	—	—	—	
46	Syrup	—	—	—	—	8	—	
47	Sugar preparations (incl. confectionery)	—	—	—	—	1,988	355	
48	Cocoa and chocolate	—	—	—	—	361	43	
49	Coffee	—	—	—	—	96	—	
50	Tea	—	—	—	—	290	2	
51	Spices	—	—	—	—	39	75	
52	Vinegar	—	—	—	—	22	—	
53	Margarine and similar products	—	—	—	—	—	—	
54	Shortening	—	—	—	—	—	—	
55	Lard	—	—	—	—	61	—	
56	Sausage skins or casings	—	—	—	—	—	25	
57	Miscellaneous foods, food materials and food preparations, n.e.s.	—	—	—	—	1,197	562	
58	Hay, forage and straw	—	—	—	—	—	—	
59	Hulls, screenings, chaff and scourings	—	—	—	—	—	—	
60	Wheat bran, shorts and middlings	—	—	—	—	—	—	
61	Ground cereals and by-products, n.e.s.	—	—	—	—	—	—	
62	Cottonseed oil meal and cake	—	—	—	—	—	—	
63	Soyabean oil meal and cake	—	—	—	—	—	—	
64	Oil seed meals and cake, n.e.s.	—	—	—	—	—	—	
65	Brewers' and distillers' grains and solubles	—	—	—	—	5	15	
66	Feeds of vegetable origin, n.e.s.	—	—	—	—	10	—	
67	Feeds of animal origin	—	—	—	—	—	—	
68	Concentrated and complete feeds	—	—	—	—	11	—	
69	Non-alcoholic beverages	—	—	—	—	2	16	
70	Ale, beer, stout and porter	—	—	—	28	334	589	
71	Wines	—	—	—	5	531	428	
72	Fermented alcoholic beverages, n.e.s.	—	—	—	—	5	11	
73	Distilled alcoholic beverages	—	—	—	218	5,018	36,329	
74	Cigarettes	—	—	—	—	—	—	
75	Tobacco, n.e.s.	—	—	—	—	87	—	
76	Totals	—	—	1,029	11,470	15,300	40,283	

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 17. Cargo Tonnage Upbound Through the St. Lawrence Canals Section of the Seaway, by Commodity, and by Origin and Destination¹

Other British Commonwealth to		Other Europe to		Other countries to		Total to		Grand total	No.
Canada	United States	Canada	United States	Canada	United States	Canada	United States		
tons									
208	1,044	20	385	26	371	939	1,831	2,770	1
—	—	—	84	—	24	227	108	335	2
6	—	109	1,179	133	167	321	1,346	1,667	3
64	—	628	1,235	176	357	949	1,719	2,668	4
—	—	74	59	—	—	74	62	136	5
—	41	1,029	1,419	889	1,591	2,022	3,204	5,226	6
—	—	—	—	—	—	—	—	—	7
7	—	—	9	61	219	70	228	298	8
—	—	14	—	—	—	14	—	14	9
—	—	2,066	1,073	—	—	2,090	1,073	3,163	10
—	—	95	19	—	—	95	19	114	11
—	—	50	54	90	363	839	417	1,256	12
—	—	—	—	—	—	—	—	—	13
—	—	—	—	—	—	—	—	—	14
—	—	—	—	—	—	—	—	—	15
—	—	—	—	—	—	—	—	—	16
—	—	—	—	—	—	—	—	—	17
—	—	79	—	—	—	147	—	147	18
—	—	—	—	—	—	—	—	—	19
—	—	88	—	—	—	88	11	99	20
—	—	—	—	—	—	—	—	—	21
—	—	—	—	—	—	—	—	—	22
—	—	59	15	—	45	149	63	212	23
—	—	442	366	—	—	1,392	486	1,878	24
22	—	224	210	—	4,015	277	4,225	4,502	25
—	—	—	—	—	—	—	—	—	26
—	—	—	—	—	—	—	—	—	27
—	—	134	18	—	—	134	18	152	28
—	—	603	67	—	—	676	87	763	29
—	—	669	149	—	15	669	164	833	30
680	—	2,348	2,513	1,618	1,039	4,966	4,586	9,552	31
—	—	693	36	—	—	819	36	855	32
3	—	4,302	6,487	308	287	4,671	6,782	11,453	33
4,278	4,573	1,935	640	2,772	8,232	11,213	13,780	24,993	34
—	—	—	—	32	—	286	—	286	35
4	—	771	18	85	1,083	921	1,101	2,022	36
—	—	—	—	—	—	—	—	—	37
—	—	423	254	18	31	456	285	741	38
—	—	32	—	—	—	32	—	32	39
3	—	300	952	—	—	364	952	1,316	40
23	22	9,700	2,120	310	543	10,038	2,732	12,770	41
112,487	—	—	—	40,408	—	152,895	—	152,895	42
—	—	3	66	—	—	32	66	98	43
16,098	16,496	—	—	14,092	—	30,190	27,694	57,884	44
—	—	—	—	—	—	—	—	—	45
—	—	41	—	—	—	49	—	49	46
44	—	2,062	491	12	846	4,106	1,692	5,798	47
1,343	1,873	1,357	1,689	5,362	15,492	8,423	19,297	27,720	48
8	—	49	67	2,682	622	2,835	689	3,524	49
172	5	319	10	160	67	941	64	1,025	50
404	—	286	122	36	7	765	204	969	51
—	—	—	—	—	—	22	—	22	52
—	—	—	—	—	—	—	—	—	53
—	—	—	—	—	—	—	—	—	54
—	—	14	—	—	—	75	—	75	55
—	—	2	569	—	31	2	625	627	56
428	88	825	402	319	768	2,769	1,820	4,589	57
—	—	—	—	—	—	—	—	—	58
—	—	—	—	—	—	—	—	—	59
—	—	—	—	—	—	—	—	—	60
—	—	120	—	—	—	120	—	120	61
—	—	—	—	—	—	—	—	—	62
—	—	—	—	—	—	—	—	—	63
—	—	1	—	—	—	1	—	1	64
—	—	3	—	—	—	—	—	—	65
—	—	44	16	—	—	54	15	23	66
—	—	—	—	16	—	16	—	16	67
—	—	6	—	50	—	55	—	129	68
—	—	27	7	—	—	67	62	84	69
—	12	819	9,324	19	173	1,172	10,126	11,298	70
—	—	5,926	23,989	220	67	6,677	24,489	31,166	71
—	—	10	20	—	—	15	31	46	72
—	—	639	2,124	—	26	5,657	38,697	44,354	73
—	—	—	—	—	—	—	—	—	74
—	—	666	193	—	—	753	195	948	75
136,282	24,154	40,106	58,729	69,894	36,536	262,611	171,172	433,783	76

TABLE 17. Cargo Tonnage Upbound Through the St. Lawrence Canals Section of the Seaway,
by Commodity, and by Origin and Destination¹ - Continued

No.	Commodity	Canada to		United States to		United Kingdom to	
		Canada	United States	Canada	United States	Canada	United States
		tons					
	Crude materials, inedible:						
1	Raw hides and skins and undressed fur skins	-	-	-	-	37	146
2	Crude animal products, inedible (except fibres), n.e.s.	-	-	-	-	-	-
3	Seeds for sowing, n.e.s.	-	-	-	-	13	-
4	Flaxseed	1,320	-	-	-	-	-
5	Mustard seed	-	-	-	-	-	-
6	Rapeseed	-	-	-	-	8	-
7	Soyabeans	1,945	-	-	-	-	-
8	Oil seeds, oil nuts and oil kernels, n.e.s.	-	-	-	-	941	-
9	Nursery and greenhouse stock and related materials	-	-	-	-	-	-
10	Rubber and allied gums, natural, and natural gums and resins	-	-	-	-	99	-
11	Crude vegetable products, inedible (except tobacco, fibres and wood), n.e.s.	-	-	-	-	53	103
12	Logs	-	-	-	-	-	-
13	Bolts and round timber	-	-	-	-	-	-
14	Pulpwood	102,649	103,574	-	-	-	-
15	Crude wood materials, n.e.s.	-	-	-	-	-	-
16	Wool and fine animal hair suitable for spinning	-	-	-	-	621	179
17	Textile and related fibres (including waste), n.e.s.	-	-	-	-	107	28
18	Alumina and bauxite ore	-	-	-	-	-	-
19	Copper ore and concentrates and matte and precipitates	-	-	-	-	-	-
20	Iron ore, crude, and concentrates, calcined, roasted or treated	1,101,088	11,668,275	-	-	15	-
21	Lead ore and concentrates	-	-	-	-	-	-
22	Manganese ore	3,537	115,243	-	-	-	-
23	Nickel-copper ore, nickel-copper matte or speiss, and nickel concentrates	-	-	-	-	-	-
24	Titanium ore	-	-	-	-	-	-
25	Zinc ore and concentrates	-	-	-	-	-	-
26	Ores, concentrates and precipitates, n.e.s.	7,758	-	-	-	5	-
27	Iron and steel scrap	-	-	-	-	-	-
28	Non-ferrous and precious metal scrap	-	-	-	-	-	532
29	Slags, drosses and other by-products	-	-	-	-	-	-
30	Coal, bituminous, sub-bituminous, and lignite	481,006	-	-	-	-	-
31	Coal, n.e.s.	-	-	-	-	-	-
32	Crude petroleum, petroleum tops and natural gasoline	11,390	-	-	-	-	-
33	Crude petroleum, Canadian	-	-	-	-	-	-
34	Natural gas and other crude bituminous substances	-	-	-	-	-	-
35	Asbestos, unmanufactured, crude and fibre	-	3,333	-	-	-	-
36	Bentonite	-	-	-	-	3,212	2,700
37	China clay	-	2,414	-	-	13,565	5,174
38	Dolomite	-	-	-	-	-	-
39	Clay and other crude refractory materials, n.e.s.	-	-	-	-	1,907	-
40	Sand and gravel	-	-	-	-	-	-
41	Limestone	-	-	-	-	-	-
42	Crushed stone, incl. stone refuse (exc. limestone flux and crushed limestone)	-	-	-	-	-	-
43	Stone, crude, n.e.s.	-	-	-	-	-	-
44	Water and ice	-	-	-	-	-	-
45	Barytes, natural	-	-	-	-	560	-
46	Fluorspar	11,275	15,635	27,282	33,807	50	5,162
47	Gypsum	112,094	-	-	-	-	-
48	Phosphate rock	-	-	-	-	-	-
49	Salt	-	-	-	-	-	-
50	Sulphur in ores, crude and refined (exc. pharmaceutical grade)	-	-	-	-	-	-
51	Crude non-metallic minerals (except coal and petroleum), n.e.s.	-	-	-	-	507	28
52	Cotton and textile rags and waste	-	-	-	-	118	287
53	Hogged fuel (wood)	-	-	-	-	-	-
54	Waste and scrap materials, n.e.s.	-	-	-	-	140	66
55	Totals	1,834,062	11,908,474	27,282	33,807	21,958	14,274
	Fabricated materials, inedible:						
56	Leather	-	-	-	-	83	38
57	Furs, dressed	-	-	-	-	-	-
58	Rubber fabricated materials	-	-	-	-	838	139
59	Lumber and timber	10,415	-	-	-	5	-
60	Flooring	-	-	-	-	-	-
61	Railway ties	-	-	-	-	-	-
62	Shingles and shakes	-	-	-	-	-	-
63	Lath of wood	-	-	-	-	-	-
64	Other sawmill products, n.e.s.	-	-	-	-	-	-
65	Veneer, plywood and wood building boards	-	-	-	-	61	11
66	Cooperage stock and box, crate and package shooks	-	-	-	-	-	-
67	Wood fabricated materials, n.e.s.	-	-	-	-	-	-
68	Pulp	801	5,154	-	-	-	-
69	Newsprint paper	-	416,918	-	-	-	-
70	Paper, n.e.s.	-	-	-	-	332	8
71	Paperboard	-	-	-	-	18	-
72	Building paper and building board (exc. wood, plastic and gypsum board)	-	-	-	-	137	84
73	Wet machine board and converted paper	-	-	-	-	12	-
74	Cordage, twine and rope (exc. braided cords and threads)	-	-	1,124	6,951	223	2,062
75	Jute broad woven fabrics	-	-	423	-	11	29
76	Textile fabricated materials, n.e.s.	-	-	-	-	1,972	77

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 17. Cargo Tonnage Upbound Through the St. Lawrence Canals Section of the Seaway, by Commodity, and by Origin and Destination¹ - Continued

Other British Commonwealth to		Other Europe to		Other countries to		Total to		Grand total	No.
Canada	United States	Canada	United States	Canada	United States	Canada	United States		
tons									
—	2	524	2,767	3	30	564	2,945	3,509	1
—	—	—	74	—	54	—	128	128	2
11	—	970	407	30	—	1,024	407	1,431	3
—	—	—	—	—	—	1,320	—	1,320	4
—	—	—	—	—	—	—	—	—	5
—	—	—	51	—	—	8	51	59	6
—	—	—	—	—	—	1,945	—	1,945	7
15	—	5	2,642	—	—	961	2,642	3,603	8
7,036	34,180	654	597	1	—	655	597	1,252	9
76	1,580	1,738	935	774	527	2,641	3,145	5,786	11
61	—	—	—	2,749	—	2,810	—	2,810	12
—	—	—	—	—	—	—	—	—	13
—	—	—	28	—	—	102,649	103,574	206,223	14
—	—	—	—	—	—	—	28	28	15
88	—	62	—	18	26	789	205	994	16
108	350	1,103	11	5,837	1,941	7,155	2,330	9,485	17
44,113	12,586	—	40,586	3,640	12,878	47,753	66,030	113,783	18
—	—	—	—	—	—	—	—	—	19
—	—	—	6,377	—	—	1,101,103	11,674,652	12,775,755	20
—	—	—	—	—	—	—	—	—	21
5,665	5,880	—	—	—	—	9,202	121,123	130,325	22
—	—	—	—	—	—	—	—	—	23
—	—	—	—	—	—	—	—	—	24
—	—	—	—	—	—	—	—	—	25
4,497	10,989	—	8	—	55	12,260	11,052	23,312	26
—	—	—	—	—	23	—	23	23	27
5	—	11	1,122	—	3,221	16	4,875	4,891	28
—	—	—	88	—	—	—	88	88	29
—	—	—	—	—	—	481,006	—	481,006	30
—	—	—	—	—	—	—	—	—	31
—	—	—	—	92,778	—	104,168	—	104,168	32
—	—	—	—	—	—	—	—	—	33
—	137	—	124	10	—	10	124	134	34
—	—	—	—	—	—	—	3,470	3,470	35
—	—	—	—	—	—	3,212	2,569	5,781	36
—	—	—	99	—	—	13,565	7,687	21,252	37
—	—	—	—	—	—	—	—	—	38
5,491	26,483	51	33	—	—	1,958	33	1,991	39
—	—	—	—	—	—	5,491	26,483	31,974	40
—	—	—	—	—	—	—	—	—	41
—	—	—	—	—	—	—	—	—	42
—	—	3,004	3,598	184	—	3,188	3,598	6,786	43
—	—	—	—	—	—	—	—	—	44
—	—	67	—	—	—	627	—	627	45
—	—	—	40,577	—	—	38,607	95,181	133,788	46
—	—	1	—	—	—	112,095	—	112,095	47
—	—	—	—	—	—	—	—	—	48
—	—	—	—	—	—	—	—	—	49
—	—	26	—	—	—	26	—	26	50
8,877	6,764	1,417	6,987	45	53	10,846	13,832	24,678	51
384	618	474	3	415	188	1,391	1,096	2,487	52
—	—	—	—	—	—	—	—	—	53
4	—	172	42	—	—	316	108	424	54
76,431	99,569	10,338	107,136	112,437	71,593	2,082,508	12,234,853	14,317,361	55
—	—	—	40	—	—	83	78	161	56
—	—	—	—	—	—	—	—	—	57
7	—	99	124	126	98	1,070	361	1,431	58
2,730	989	—	645	2,313	2,583	15,463	4,217	19,680	59
—	—	—	—	13	—	13	—	13	60
—	—	—	—	—	—	—	—	—	61
—	—	—	—	—	—	—	—	—	62
—	—	—	—	—	—	—	—	—	63
—	12	—	33	—	35	—	80	80	64
—	21	605	10,244	8,626	14,719	9,292	24,995	34,287	65
—	—	—	—	—	—	—	—	—	66
346	90	517	32	161	1,858	1,024	1,978	3,002	67
—	—	—	68,158	—	—	801	73,312	74,113	68
—	—	—	3,125	—	—	—	420,043	420,043	69
—	—	933	3,572	43	17	1,308	3,597	4,905	70
—	74	487	1,085	—	1,605	505	2,764	3,269	71
—	302	3,497	12,784	89	367	3,723	13,537	17,260	72
—	—	11	154	—	—	23	154	177	73
—	—	3,967	16,428	1,765	453	7,079	25,894	32,973	74
31	1,840	52	6	—	—	517	1,875	2,392	75
147	4,180	1,141	62	580	133	3,820	4,432	8,252	76

TABLE 17. Cargo Tonnage Upbound Through the St. Lawrence Canals Section of the Seaway,
by Commodity, and by Origin and Destination¹ - Concluded

No.	Commodity	Canada to		United States to		United Kingdom to	
		Canada	United States	Canada	United States	Canada	United States
		tons					
	Fabricated materials, inedible - Concluded:						
1	Animal oils and fats (exc. marine)	-	-	-	-	4	25
2	Fish and marine animal oils	-	-	-	-	276	-
3	Soyabean oil	-	-	-	-	-	-
4	Vegetable oils and fats, exc. essential oils, n.e.s.	-	-	-	150	2,003	-
5	Oils, fats, waxes, extracts and derivatives, animal and vegetable, n.e.s.	-	-	-	-	420	36
6	Sulphuric acid (incl. oleum)	-	-	-	-	832	1,191
7	Metallic salts and peroxysalts, of inorganic acids	-	-	-	-	1,572	498
8	Inorganic chemicals, n.e.s.	-	-	-	-	-	-
9	Glycol	-	-	-	-	-	-
10	Organic chemicals, n.e.s.	2,728	-	4,999	-	1,784	11,567
11	Explosives, fuses and caps	-	-	-	-	-	-
12	Fertilizers and fertilizer materials, n.e.s.	-	-	6,022	-	11	-
13	Agricultural chemicals, formulates (crop and seed treatments and herbicides); other insecticides and rodenticides; and adhesives	-	-	-	-	55	121
14	Synthetic rubber (incl. rubber compounds and reclaimed rubber)	-	-	-	-	938	33
15	Plastic materials, not shaped, and plastics basic shapes and forms	-	-	-	-	266	50
16	Dyestuffs (exc. dyeing extracts); pigments, lakes and toners (exc. those in chemicals); and paints and related products	-	-	-	-	1,027	36
17	Chemical specialties, industrial, n.e.s.	27,123	-	9,235	-	3,790	610
18	Gasoline	123,895	-	-	-	-	-
19	Fuel oil	1,267,174	82,552	-	2,908	40,273	-
20	Lubricating oils and greases	129,860	-	-	53,856	102	27
21	Coke of petroleum and coal	-	-	-	-	17	-
22	Asphalts and road oils	-	-	-	-	-	-
23	Coal tar and coal pitch	-	-	-	-	-	-
24	Petroleum and coal products, n.e.s.	13,907	-	-	-	31	2
25	Ferro-alloys	8,617	9,600	-	-	6,203	85
26	Pig iron	-	222,129	-	-	-	6,595
27	Primary iron and steel, n.e.s.	-	-	-	-	209	10,984
28	Castings and forgings (exc. pipes and fittings)	-	-	-	-	414	139
29	Bars and rods, steel	-	717	-	-	16,805	97,318
30	Plate, sheet and strip, steel	-	43,317	-	6,346	45,009	267,854
31	Structural shapes and sheet piling	1,082	2,444	-	-	28,172	47,001
32	Rails and railway track material	-	-	-	-	2,148	-
33	Pipes and tubes, iron and steel (exc. fittings and finished electrical conduit and tubing)	-	32	-	-	6,184	3,745
34	Wire (incl. wire rope)	-	-	-	-	4,306	3,650
35	Aluminum (incl. alloys)	832	420	-	-	849	6,696
36	Copper and alloys	-	-	-	-	839	943
37	Lead and alloys	-	-	-	-	23	19
38	Nickel and alloys	-	-	-	-	13	-
39	Zinc and alloys	-	-	-	-	-	24
40	Non-ferrous metals, n.e.s.	-	-	-	-	487	232
41	Metal fabricated basic products	-	-	-	-	6,328	8,732
42	Building brick, clay	-	-	-	-	94	-
43	Drain tiles, sewer pipes and fittings	-	-	-	-	-	-
44	Bricks, tiles (clay) and refractories, n.e.s.	-	-	-	-	2,385	46
45	Glass basic products	-	-	-	-	4,804	5,724
46	Asbestos and asbestos-cement basic products	-	-	-	-	216	68
47	Cement	-	-	-	-	33	-
48	Cement and concrete basic products, n.e.s.	-	-	-	-	-	-
49	Lime	-	-	-	-	-	-
50	Non-metallic mineral basic products, n.e.s.	-	-	-	-	4,529	1,097
51	Miscellaneous fabricated materials	-	-	-	-	1,548	262
52	Totals	1,586,434	783,283	21,803	70,211	188,691	477,775
	End products, inedible:						
53	Tractors	-	-	-	-	2,905	12,057
54	Machinery, n.e.s.	499	135	-	-	13,281	9,513
55	Railway rolling stock	-	-	-	-	146	-
56	Passenger automobiles and chassis	-	-	-	-	3,787	7,389
57	Buses and chassis	-	-	-	-	-	9
58	Trucks, truck chassis and truck tractors, commercial	-	-	-	-	131	64
59	Military motor vehicles and trailers (exc. tanks)	-	-	-	-	-	-
60	Motor vehicle engines, accessories, parts and assemblies	-	-	-	-	1,474	1,614
61	Road motor vehicles, n.e.s.	-	-	-	-	22	4
62	Ships and boats; aircraft; and miscellaneous vehicles (incl. parts and accessories)	-	-	-	-	606	1,293
63	Rubber tires and tubes	-	-	-	-	184	61
64	Equipment	-	-	-	-	2,415	2,100
65	Personal and household goods	-	-	-	-	3,061	748
66	Firearms, weapons and ammunition	-	-	-	-	-	116
67	Containers and closures	-	-	-	-	177	-
68	Totals	499	135	-	-	28,189	34,968
69	Miscellaneous freight, n.e.s.	13,948	1,302	13	11	18,851	17,439
70	Domestic package freight	205,373	-	-	-	-	-
71	Grand totals - Upbound	3,640,316	12,693,194	50,127	115,499	272,989	584,729

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 17. Cargo Tonnage Upbound Through the St. Lawrence Canals Section of the Seaway, by Commodity, and by Origin and Destination¹ - Concluded

Other British Commonwealth to		Other Europe to		Other countries to		Total to		Grand total	No.
Canada	United States	Canada	United States	Canada	United States	Canada	United States		
tons									
3	—	49	—	11	282	87	307	374	1
—	—	2,870	14,411	14	—	3,160	14,411	17,571	2
—	—	4	6	—	—	4	6	10	3
5,024	—	1,245	14,890	3,864	3,724	12,136	18,764	30,900	4
102	—	97	396	1,489	4,435	2,108	4,867	6,975	5
—	—	—	—	40	21	40	21	61	6
—	—	1,325	961	54	135	2,211	2,287	4,498	7
38	—	5,711	4,034	271	838	7,592	5,370	12,962	8
—	—	—	—	—	—	—	—	—	9
73	—	2,934	9,440	377	820	12,895	21,827	34,722	10
—	—	347	434	—	—	347	434	781	11
—	—	51	444	—	81	6,084	525	6,609	12
—	—	186	229	—	119	241	469	710	13
6	—	670	10	514	—	2,128	43	2,171	14
3	—	603	172	2,666	370	3,538	592	4,130	15
—	9	747	526	6	423	1,780	994	2,774	16
—	—	6,460	5,077	1,127	289	47,741	5,976	53,717	17
—	—	19,186	—	—	—	143,081	—	143,081	18
47,685	—	—	—	442,989	40,211	1,798,121	125,671	1,923,792	19
11,237	—	9	—	—	—	141,208	53,883	195,091	20
—	—	—	914	—	—	17	914	931	21
—	—	—	—	—	—	—	—	—	22
—	—	31	17	—	—	31	17	48	23
—	—	2,584	177	—	—	16,522	179	16,701	24
—	—	217	64,630	—	1,334	15,037	75,849	90,686	25
—	—	14,658	83,026	—	—	14,658	311,750	326,408	26
—	—	18	14,865	—	870	227	26,719	26,946	27
—	—	225	206	—	549	639	894	1,533	28
—	675	73,222	327,209	2,563	191,825	92,602	617,644	710,246	29
—	673	166,410	603,631	1,691	346,706	213,183	1,268,527	1,481,710	30
—	—	143,756	410,489	3,892	162,604	176,940	622,538	799,478	31
—	—	227	2,094	—	—	2,375	2,094	4,469	32
—	—	6,749	11,291	2,402	8,516	15,335	23,601	38,936	33
—	—	8,144	51,799	1,200	29,698	13,650	85,147	98,797	34
—	11	1,248	23,407	158	4,736	3,087	35,270	38,357	35
—	18	243	2,720	10	253	1,092	3,934	5,026	36
—	—	—	—	—	—	23	19	42	37
—	—	3,400	16	—	—	3,413	16	3,429	38
—	—	1	—	—	661	1	685	686	39
494	3,166	3,430	2,477	514	2,679	4,925	8,554	13,479	40
69	628	10,495	27,320	6,486	58,121	23,378	94,801	118,179	41
—	—	8	13	—	—	102	13	115	42
—	—	—	—	—	—	—	—	—	43
—	—	50	—	18	—	2,453	46	2,499	44
13	2	12,255	30,628	236	2,297	17,308	38,651	55,959	45
—	117	22	1,553	202	216	440	1,954	2,394	46
—	—	1,202	47	—	—	1,235	47	1,282	47
—	—	—	113	—	—	—	113	113	48
—	—	—	—	—	—	—	—	—	49
—	—	2,826	4,541	4,609	11,176	11,964	16,814	28,778	50
—	—	270	824	293	2,151	2,111	3,237	5,348	51
68,137	12,787	505,494	1,831,529	491,392	898,006	2,861,951	4,073,591	6,835,542	52
—	—	1,780	8,016	1	—	4,686	20,073	24,759	53
29	34	12,325	19,262	403	595	26,537	29,539	56,076	54
—	—	—	—	—	—	146	—	146	55
1	1	12,382	34,780	950	974	17,120	43,144	60,264	56
—	—	60	24	—	—	60	33	93	57
—	—	185	847	2	67	318	978	1,296	58
—	—	—	—	—	—	—	—	—	59
11	31	3,082	6,295	83	439	4,650	8,379	13,029	60
—	—	49	122	—	—	71	126	197	61
—	—	769	1,986	31	255	1,407	3,544	4,951	62
—	112	570	1,922	496	224	1,250	2,319	3,569	63
24	115	2,144	2,243	980	1,578	5,563	6,036	11,599	64
324	277	1,494	1,573	2,371	2,291	7,250	4,889	12,139	65
—	—	14	221	—	—	14	337	351	66
6	—	182	304	—	—	365	304	669	67
396	580	35,036	77,595	5,317	6,423	69,437	119,701	189,138	68
921	896	16,424	13,953	4,893	4,889	55,050	36,480	93,530	69
—	—	—	—	—	—	205,373	—	205,373	70
282,167	137,986	607,398	2,088,942	683,933	1,017,447	5,536,930	16,837,797	22,174,727	71

TABLE 17 A. Cargo Tonnage Downbound Through the St. Lawrence Canals Section of the Seaway,
by Commodity, and by Origin and Destination¹

No.	Commodity	Canada to					Total	
		Canada	United States	United Kingdom	Other British Commonwealth	Other Europe		Other countries
		tons						
	Food, feed, beverages and tobacco:							
1	Meat, fresh, chilled or frozen	—	—	1,846	1,117	1,401	155	4,519
2	Meat, cured	—	—	141	211	6	—	358
3	Meat and meat preparations, n.e.s.	—	—	41	238	110	—	389
4	Fish, fresh, chilled or frozen	—	—	—	—	55	—	55
5	Fish, smoked, salted, dried, or pickled	—	—	—	—	—	—	—
6	Fish, canned	—	—	6	—	2	—	8
7	Lobster	—	—	1	—	—	—	1
8	Shell fish, n.e.s.; meat of marine animals; and other fishery foods and feeds	—	—	—	—	—	8	8
9	Butter	—	—	—	—	—	—	—
10	Cheese	—	—	25	13	—	540	578
11	Milk powder	—	—	40	3,184	3,061	854	7,139
12	Dairy produce, n.e.s.; eggs and honey	—	—	898	46	2	—	946
13	Barley	442,292	—	125,895	—	4,423	60	572,670
14	Corn	41,393	—	2	—	—	—	41,395
15	Oats	340,580	—	7,439	57	158,930	3,199	510,205
16	Rye	16,722	—	5,740	—	16,601	19	39,082
17	Wheat	7,141,756	—	111,340	—	110,345	20,657	7,384,098
18	Cereals, unmilled, n.e.s.	—	—	—	—	4,411	—	4,411
19	Corn meal and flour	—	—	—	—	—	2,154	2,154
20	Corn starch	—	—	—	—	—	—	—
21	Malt and malt flour	47,238	—	4,304	1,663	10	5,697	58,912
22	Wheat flour	16,743	—	31,889	—	—	26,889	75,521
23	Cereals milled, n.e.s.	—	—	—	—	—	838	838
24	Bakery products, incl. those frozen	—	—	7	10	6	—	23
25	Macaroni and cereal products, and farinaceous substances and flour for use as food	—	—	59	2	9	—	70
26	Apples (incl. crab-apples)	—	—	—	—	—	—	—
27	Bananas and plantains	—	—	—	—	—	—	—
28	Fresh or chilled fruits and berries, n.e.s.	—	—	—	—	—	—	—
29	Frozen fruits and berries	—	—	—	—	—	—	—
30	Dried and dehydrated fruits	—	—	18	—	119	—	137
31	Fruit juices, unfermented, not concentrated, and fruit juice concentrates	—	—	5,192	23	409	47	5,671
32	Fruit pulp and purée (not canned)	—	—	—	—	72	—	72
33	Fruits, preserved, not canned, n.e.s.	—	—	62	8	975	—	1,045
34	Fruits and preparations, canned (exc. infant foods)	—	—	495	99	836	36	1,466
35	Peanuts, roasted or otherwise prepared	—	—	173	—	115	7	295
36	Nuts, except oil nuts, n.e.s.	—	—	—	—	—	—	—
37	Potatoes	—	—	—	—	—	—	—
38	Vegetables, fresh or chilled, n.e.s.	—	—	7,882	325	56	—	8,263
39	Vegetables, frozen	—	—	159	—	135	—	294
40	Vegetables, dried	—	—	31,286	96	3,620	60	35,062
41	Vegetables and vegetable preparations, n.e.s.	—	—	4,317	304	633	14	5,268
42	Raw sugar	—	—	—	—	—	—	—
43	Sugar, n.e.s.	—	—	—	—	—	—	—
44	Molasses, crude	—	—	—	—	—	—	—
45	Molasses, refined	—	—	—	—	—	—	—
46	Syrup	—	—	—	10	—	—	10
47	Sugar preparations (incl. confectionery)	—	—	85	7	129	—	221
48	Cocoa and chocolate	—	—	47	1	106	—	154
49	Coffee	—	—	171	2	7	—	180
50	Tea	—	—	—	—	—	—	—
51	Spices	—	—	99	—	—	—	99
52	Vinegar	—	—	28	—	1	22	51
53	Margarine and similar products	—	—	—	—	—	—	—
54	Shortening	—	—	224	—	—	—	224
55	Lard	—	—	—	—	—	—	—
56	Sausage skins or casings	—	—	—	5	42	—	47
57	Miscellaneous foods, food materials and food preparations, n.e.s.	—	—	5,929	826	380	355	7,490
58	Hay, forage and straw	—	—	—	—	—	—	—
59	Hulls, screenings, chaff and scourings	12,919	—	65,928	—	—	—	78,847
60	Wheat bran, shorts and middlings	—	—	—	—	726	—	726
61	Ground cereals and by-products, n.e.s.	22,124	—	4,425	—	9,497	—	36,046
62	Cottonseed oil meal and cake	—	—	—	—	1,863	—	1,863
63	Soyabean oil meal and cake	2,170	—	165,261	3,673	2,156	—	173,260
64	Oil seed meals and cake, n.e.s.	2,518	—	10,323	—	4	—	12,845
65	Brewers' and distillers' grains and solubles	1,800	—	7,293	13	190	—	9,296
66	Feeds of vegetable origin, n.e.s.	3,167	—	4,725	16	113	58	8,079
67	Feeds of animal origin	—	—	378	8	214	—	600
68	Concentrated and complete feeds	—	—	3,924	303	144	360	4,731
69	Non-alcoholic beverages	—	—	—	15	—	—	15
70	Ale, beer, stout and porter	—	—	—	6	18	—	24
71	Wines	—	—	5	—	19	—	24
72	Fermented alcoholic beverages, n.e.s.	—	—	—	—	—	—	—
73	Distilled alcoholic beverages	—	—	205	—	517	—	722
74	Cigarettes	—	—	—	—	—	—	—
75	Tobacco, n.e.s.	—	—	5,188	68	1,083	101	6,440
76	Totals	8,091,422	—	613,495	12,349	323,551	62,130	9,102,947

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 17A. Cargo Tonnage Downbound Through the St. Lawrence Canals Section of the Seaway, by Commodity, and by Origin and Destination¹

Canada	United States to						Grand total	No.
	United States	United Kingdom	Other British Commonwealth	Other Europe	Other countries	Total		
			tons					
		8,096	498	34,930	775	44,299	48,818	1
		151	339	278	37	805	1,163	2
		908	16	1,334	24	2,282	2,671	3
			6	187		193	248	4
								5
							8	6
							1	7
				2	14	16	24	8
			693	1,673	1,301	3,667	3,867	9
			420	682	135	1,237	1,815	10
		59	19,993	77,906	112,811	210,769	217,908	11
		302	55	1,893	363	2,613	3,559	12
104,679		29,676	12,222	562,628	18,918	728,123	1,300,793	13
1,880,708		761,684		1,068,160	8,890	3,717,442	3,758,837	14
		17,097	8,494	326,013		351,604	861,809	15
6,476				20,102		28,578	65,660	16
664,046		98,925	23,133	367,290	104,196	1,257,590	8,641,688	17
		27	340	2,562	6,588	9,517	13,928	18
		20	22,885	1,436	40,697	65,038	67,192	19
		1,981	206	44	8	2,239	2,239	20
			1,151		13,316	14,467	73,379	21
		640	2,206	39,587	120,273	162,706	238,227	22
		525	6,456	7,412	10,182	24,575	25,413	23
				2		2	25	24
		16	1,531	1,291	273	3,111	3,181	25
				152		152	152	26
								27
				1,380		1,380	1,380	28
				3,576		3,576	3,576	29
		57		2,126		2,183	2,320	30
		409	6	5,086		5,501	11,172	31
							72	32
		398		8,089	2	8,489	9,534	33
		391		4,629	7	5,027	6,493	34
							295	35
								36
								37
		60		17	2	79	8,342	38
							294	39
99,533		40,753	5,450	25,862	9,271	180,869	215,931	40
		337	12	1,076	37	1,462	6,730	41
								42
		88		837		905	905	43
								44
								45
							10	46
		432	8	800	26	1,264	1,485	47
							154	48
							180	49
				17	12	29	29	50
				68		68	187	51
				5		5	56	52
								53
				20		20	244	54
		57,430		4,517		61,947	61,947	55
		198		508		706	753	56
24		587	137	1,451	314	2,513	10,003	57
				43,817		43,817	43,817	58
				6,410		6,410	85,257	59
				10,003		10,003	10,729	60
		147		23,835		23,982	60,028	61
							1,863	62
15,445		4,425	10,979	138,784	23,517	193,150	366,410	63
		114	136	98,756		99,006	111,851	64
		12		4,728		4,740	14,036	65
		2,497	17	134,024	300	136,838	144,917	66
			142	1,173		1,315	1,915	67
		72	32	1,523	118	1,745	6,476	68
							15	69
			22	19	18	59	83	70
		69		94		183	187	71
								72
		158		216		374	1,096	73
								74
			20	332		352	6,792	75
2,770,911		1,028,721	117,603	3,039,362	470,425	7,427,022	16,529,969	76

TABLE 17 A. Cargo Tonnage Downbound through the St. Lawrence Canals Section of the Seaway,
by Commodity, and by Origin and Destination¹ - Continued

No.	Commodity	Canada to						Total
		Canada	United States	United Kingdom	Other British Commonwealth	Other Europe	Other countries	
		tons						
	Crude materials, inedible:							
1	Raw hides and skins and undressed fur skins	—	—	318	6	17,835	2,816	20,975
2	Crude animal products, inedible (except fibres), n.e.s.	—	—	1,653	15	13	—	1,681
3	Seeds for sowing, n.e.s.	—	—	413	—	1,446	—	1,859
4	Flaxseed	76,618	—	77,610	—	108,781	1,045	264,054
5	Mustard seed	—	—	—	—	—	—	—
6	Rapeseed	—	—	1,736	—	20,486	—	22,222
7	Soyabeans	76,871	—	6,212	—	23	—	83,106
8	Oil seeds, oil nuts and oil kernels, n.e.s.	—	—	2,031	—	935	—	2,966
9	Nursery and greenhouse stock and related materials	—	—	—	—	—	—	—
10	Rubber and allied gums, natural, and natural gums and resins	—	—	—	—	—	—	—
11	Crude vegetable products, inedible (except tobacco, fibres and wood), n.e.s.	—	—	112	—	5	—	117
12	Logs	—	—	893	—	117	—	1,010
13	Bolts and round timber	—	—	—	—	—	—	—
14	Pulpwood	418	976	—	—	—	—	1,394
15	Crude wood materials, n.e.s.	—	—	—	—	—	—	—
16	Wool and fine animal hair suitable for spinning	—	—	53	4	153	—	210
17	Textile and related fibres (including waste), n.e.s.	—	—	7	—	191	6	204
18	Alumina and bauxite ore	—	—	—	—	—	—	—
19	Copper ore and concentrates and matte and precipitates	—	—	—	—	—	—	—
20	Iron ore, crude, and concentrates, calcined, roasted or treated	—	—	—	—	—	—	—
21	Lead ore and concentrates	—	—	200	—	—	—	200
22	Manganese ore	—	—	—	—	—	—	—
23	Nickel-copper ore, nickel-copper matte or speiss, and nickel concentrates	—	—	—	—	—	—	—
24	Titanium ore	—	—	—	—	—	—	—
25	Zinc ore and concentrates	—	—	—	—	—	—	—
26	Ores, concentrates and precipitates, n.e.s.	—	—	57	—	285	—	342
27	Iron and steel scrap	2,869	—	—	—	8,999	6,376	18,244
28	Non-ferrous and precious metal scrap	—	—	265	52	6,242	458	7,017
29	Slags, drosses and other by-products	19,249	—	204	—	2,446	—	21,899
30	Coal, bituminous, sub-bituminous, and lignite	10,141	—	—	—	—	—	10,141
31	Coal, n.e.s.	—	—	—	—	—	—	—
32	Crude petroleum, petroleum tops and natural gasoline	—	—	—	—	—	—	—
33	Crude petroleum, Canadian	—	—	—	—	—	—	—
34	Natural gas and other crude bituminous substances	—	—	481	13	17	—	511
35	Asbestos, unmanufactured, crude and fibre	—	—	—	—	—	—	—
36	Bentonite	10,743	—	—	—	—	—	10,743
37	China clay	—	—	—	—	—	—	—
38	Dolomite	—	—	—	—	6	—	6
39	Clay and other crude refractory materials, n.e.s.	—	—	174	—	707	—	881
40	Sand and gravel	—	—	—	—	—	—	—
41	Limestone	—	—	—	—	2	—	2
42	Crushed stone, incl. stone refuse (ex. limestone flux and crushed limestone)	—	—	—	—	—	—	—
43	Stone, crude, n.e.s.	—	—	—	—	—	—	—
44	Water and ice	—	—	—	—	—	—	—
45	Barytes, natural	—	—	—	—	—	—	—
46	Fluorspar	—	—	—	—	—	—	—
47	Gypsum	—	—	—	—	—	—	—
48	Phosphate rock	—	—	—	—	—	—	—
49	Salt	299,878	—	42	—	—	—	299,920
50	Sulphur in ores, crude and refined (exc. pharmaceutical grade)	—	—	—	—	—	—	—
51	Crude non-metallic minerals (except coal and petroleum), n.e.s.	2,894	—	80	315	98	—	3,387
52	Cotton and textile rags and waste	—	—	54	130	1,805	321	2,310
53	Hogged fuel (wood)	—	—	—	—	—	—	—
54	Waste and scrap materials, n.e.s.	—	—	129	6	146	14	295
55	Totals	499,681	976	92,724	541	170,738	11,036	775,696
	Fabricated materials, inedible:							
56	Leather	—	—	—	4	1	—	5
57	Furs, dressed	—	—	—	—	—	—	—
58	Rubber fabricated materials	—	—	24	8	32	—	64
59	Lumber and timber	600	—	1,107	129	1,571	219	3,626
60	Flooring	—	—	241	—	47	—	288
61	Railway ties	—	—	—	—	—	—	—
62	Shingles and shakes	—	—	—	—	—	—	—
63	Lath of wood	—	—	—	—	—	—	—
64	Other sawmill products, n.e.s.	148	—	—	—	2	—	150
65	Veneer, plywood and wood building boards	—	—	577	4	310	—	891
66	Cooperage stock and box, crate and package shooks	—	—	—	—	—	—	—
67	Wood fabricated materials, n.e.s.	—	—	96	9	15	4	124
68	Pulp	—	—	2,067	—	7,133	—	9,200
69	News print paper	2,784	7,048	—	1,713	849	106	12,500
70	Paper, n.e.s.	—	—	150	1,404	147	53	1,754
71	Paperboard	—	—	68	24	3	—	95
72	Building paper and building board (exc. wood, plastic and gypsum board)	—	—	314	—	23	6	343
73	Wet machine board and converted paper	—	—	6	13	3	—	22
74	Cordage, twine and rope (exc. braided cords and threads)	—	—	6	—	—	—	6
75	Jute broad woven fabrics	—	—	—	—	—	—	—
76	Textile fabricated materials, n.e.s.	—	—	107	15	55	35	212

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 17 A. Cargo Tonnage Downbound Through the St. Lawrence Canals Section of the Seaway, by Commodity, and by Origin and Destination¹ - Continued

Canada	United States	United States to				Total	Grand total	No.
		United Kingdom	Other British Commonwealth	Other Europe	Other Countries			
				tons				
-	-	4,273	40	55,398	4,481	64,192	85,167	1
-	-	75	-	89	78	242	1,923	2
-	-	662	56	2,747	534	3,999	5,858	3
-	-	-	-	86,719	-	86,719	350,773	4
-	-	-	-	-	-	-	-	5
-	-	-	-	-	-	-	22,222	6
562,641	-	50,539	-	437,539	190,928	1,241,647	1,324,753	7
-	-	-	-	-	-	-	2,966	8
-	-	-	-	1	-	1	1	9
-	-	-	-	-	-	-	-	10
-	-	1	-	-	-	1	118	11
-	-	628	-	24,524	171	25,323	26,333	12
-	-	-	-	-	-	-	-	13
-	-	-	-	-	-	-	1,394	14
-	-	-	-	8	-	8	8	15
-	-	134	-	1,007	-	1,141	1,351	16
-	-	172	-	1,276	63	1,511	1,715	17
-	-	-	-	-	-	-	-	18
-	-	-	-	-	-	-	-	19
-	-	-	-	-	-	-	-	20
-	-	-	103	-	-	-	200	21
-	-	-	-	-	-	-	103	22
-	-	-	-	-	-	-	-	23
-	-	-	-	-	-	-	-	24
-	-	-	-	-	-	-	-	25
-	-	33	-	23	-	56	398	26
-	-	28	-	74,988	12,906	87,922	106,166	27
-	-	447	-	3,860	391	4,698	11,715	28
-	-	946	-	1,053	30	2,029	23,928	29
834,545	-	-	-	-	-	554,545	564,686	30
-	-	-	-	-	-	-	-	31
-	-	-	-	-	-	-	-	32
-	-	-	-	-	-	-	-	33
-	-	2,931	-	1,311	46	4,288	4,799	34
-	-	-	-	-	-	-	-	35
68,591	-	11,777	-	9,305	254	89,927	100,670	36
7,577	-	-	-	1,182	-	8,759	8,759	37
-	-	-	-	187	-	187	193	38
41,594	-	141	-	3,756	19	45,510	46,391	39
-	-	29	-	6	-	35	35	40
-	-	-	-	-	-	-	2	41
-	-	-	-	-	-	-	-	42
-	-	-	-	-	-	-	-	43
-	-	-	-	-	-	-	-	44
-	-	-	-	-	-	-	-	45
-	-	-	-	-	-	-	-	46
-	-	-	-	43	-	43	43	47
-	-	-	-	-	-	-	-	48
43,682	-	-	-	25	-	43,707	343,627	49
-	-	-	-	-	-	-	-	50
-	-	1,742	167	5,641	1	7,551	10,938	51
-	-	252	-	6,068	1,331	7,651	9,961	52
-	-	-	-	-	-	-	-	53
-	-	224	5	3,881	13	4,123	4,418	54
1,278,630	-	75,034	371	720,637	211,246	2,285,918	3,061,614	55
-	-	47	-	90	-	137	142	56
-	-	-	-	-	-	-	-	57
-	-	30	-	32	20	82	146	58
-	-	2,515	27	1,722	106	4,370	7,996	59
-	-	24	-	-	-	24	312	60
-	-	-	-	-	-	-	-	61
-	-	-	-	-	-	-	-	62
-	-	-	-	-	-	-	-	63
-	-	-	3	-	17	20	170	64
-	-	89	-	409	-	498	1,389	65
-	-	-	1	-	-	1	1	66
-	-	232	-	32	-	264	388	67
-	-	56	341	-	-	397	9,597	68
-	-	-	-	-	-	-	12,500	69
-	-	134	447	956	47	1,584	3,338	70
-	-	91	-	4	228	323	418	71
-	-	83	-	163	14	260	603	72
-	-	8	-	12	-	20	42	73
-	-	-	-	-	-	-	6	74
-	-	-	-	-	-	-	-	75
-	-	2	23	75	1	101	313	76

TABLE 17 A. Cargo Tonnage Downbound Through the St. Lawrence Canals Section of the Seaway,
by Commodity, and by Origin and Destination¹ - Concluded

No.	Commodity	Canada to					Total	
		Canada	United States	United Kingdom	Other British Commonwealth	Other Europe		Other countries
		tons						
	Fabricated materials, inedible—Concluded:							
1	Animal oils and fats (exc. marine)	—	—	3,611	213	2,860	—	6,684
2	Fish and marine animal oils	—	—	6	3	—	—	9
3	Soyabean oil	—	—	15,076	—	723	—	15,799
4	Vegetable oils and fats, exc. essential oils, n.e.s.	—	—	1,939	3	13	—	1,955
5	Oils, fats, waxes, extracts and derivatives, animal and vegetable, n.e.s.	—	—	1,399	14	38	—	1,451
6	Sulphuric acid (incl. oleum)	—	—	3,888	—	—	—	3,888
7	Metallic salts and peroxysalts, of inorganic acids	3,576	—	66	48	148	27	3,865
8	Inorganic chemicals, n.e.s.	6,028	—	1,438	10,148	387	6,400	24,401
9	Glycol	4,066	—	8,009	61	292	—	12,428
10	Organic chemicals, n.e.s.	2,319	—	7,965	602	4,639	20	15,545
11	Explosives, fuses and caps	—	—	—	—	—	—	—
12	Fertilizers and fertilizer materials, n.e.s.	—	—	11	6	8,536	—	8,553
13	Agricultural chemicals, formulates (crop and seed treatments and herbicides); other insecticides and rodenticides; and adhesives	—	—	—	—	10	—	10
14	Synthetic rubber (incl. rubber compounds and reclaimed rubber)	—	—	9,010	4,541	24,927	4,794	43,272
15	Plastic materials, not shaped, and plastics basic shapes and forms	—	—	10,375	7,333	2,755	628	21,091
16	Dyestuffs (exc. dyeing extracts); pigments, lakes and toners (exc. those in chemicals); and paints and related products	—	—	83	79	99	5	266
17	Chemical specialties, industrial, n.e.s.	6,725	—	2,633	3,122	2,844	357	15,681
18	Gasoline	17,204	—	—	—	—	—	17,204
19	Fuel oil	—	—	—	—	—	—	—
20	Lubricating oils and greases	1,400	—	209	29	50	36	1,724
21	Coke of petroleum and coal	—	—	320	—	—	—	320
22	Asphalts and road oils	—	—	214	15	—	7	236
23	Coal tar and coal pitch	9,739	—	—	—	—	36	9,775
24	Petroleum and coal products, n.e.s.	41,238	—	983	35	—	136	42,392
25	Ferro-alloys	—	—	—	—	—	—	—
26	Pig iron	—	—	—	—	—	—	—
27	Primary iron and steel, n.e.s.	—	—	—	—	—	168	168
28	Castings and forgings (exc. pipes and fittings)	6,522	—	15	—	—	196	6,733
29	Bars and rods, steel	—	—	1,232	859	2,392	148	4,631
30	Plate, sheet and strip, steel	—	—	3,281	634	1,813	10,144	15,872
31	Structural shapes and sheet piling	1,252	—	402	71	1,201	1,132	4,058
32	Rails and railway track material	—	—	—	167	—	—	167
33	Pipes and tubes, iron and steel (exc. fittings and finished electrical conduit and tubing)	—	—	250	117	140	2,923	3,430
34	Wire (incl. wire rope)	—	—	295	283	601	1,206	2,385
35	Aluminum (incl. alloys)	—	—	376	12	1	28	417
36	Copper and alloys	—	—	189	73	540	210	1,012
37	Lead and alloys	—	—	224	142	1,256	—	1,622
38	Nickel and alloys	—	—	229	9	150	677	1,065
39	Zinc and alloys	—	—	—	—	144	—	144
40	Non-ferrous metals, n.e.s.	—	—	308	65	10	3,620	4,003
41	Metal fabricated basic products	10,161	—	1,161	754	1,271	885	14,212
42	Building brick, clay	—	—	—	—	7	—	7
43	Drain tiles, sewer pipes and fittings	—	—	—	—	—	—	—
44	Bricks, tiles (clay) and refractories, n.e.s.	—	—	232	—	—	—	232
45	Glass basic products	—	—	2	5	—	—	7
46	Asbestos and asbestos-cement basic products	—	—	19	—	—	—	19
47	Cement	9,451	—	—	—	—	6	9,457
48	Cement and concrete basic products, n.e.s.	—	—	—	—	—	—	—
49	Lime	—	—	—	—	—	—	—
50	Non-metallic mineral basic products, n.e.s.	601	—	9,653	87	1,675	203	12,619
51	Miscellaneous fabricated materials	—	—	79	58	24	—	161
52	Totals	123,814	7,048	90,145	32,911	69,937	34,395	358,250
	End products, inedible:							
53	Tractors	—	—	17	170	53	14	254
54	Machinery, n.e.s.	337	—	1,098	937	1,934	771	5,075
55	Railway rolling stock	—	—	—	—	—	—	—
56	Passenger automobiles and chassis	—	—	95	131	1,442	80	1,748
57	Buses and chassis	—	—	—	—	—	—	—
58	Trucks, truck chassis and truck tractors, commercial	—	—	10	13	14	66	103
59	Military motor vehicles and trailers (exc. tanks)	—	—	—	—	—	—	—
60	Motor vehicle engines, accessories, parts and assemblies	—	—	354	291	1,111	420	2,178
61	Road motor vehicles, n.e.s.	—	—	—	—	9	15	24
62	Ships and boats; aircraft; and miscellaneous vehicles (incl. parts and accessories)	—	—	171	88	126	13	398
63	Rubber tires and tubes	—	—	12	293	980	53	1,338
64	Equipment	—	—	2,632	488	1,005	431	4,556
65	Personal and household goods	—	—	587	169	217	36	1,009
66	Firearms, weapons and ammunition	—	—	—	—	—	—	—
67	Containers and closures	—	—	93	—	195	—	288
68	Totals	337	—	5,067	2,580	7,086	1,899	16,969
69	Miscellaneous freight, n.e.s.	—	—	2,329	1,133	1,242	254	4,958
70	Domestic package freight	403,469	—	—	—	—	—	403,469
71	Grand totals—Downbound	9,118,723	8,024	803,760	49,514	572,554	109,714	10,662,289

¹ Excludes non-toll traffic through the Lachine and Cornwall Canals.

TABLE 17 A. Cargo Tonnage Downbound Through the St. Lawrence Canals Section of the Seaway, by Commodity, and by Origin and Destination¹ - Concluded

United States to							Grand Total	No.
Canada	United States	United Kingdom	Other British Commonwealth	Other Europe	Other countries	Total		
				tons				
-	-	10,583	2,566	143,365	22,722	179,236	185,920	1
-	-	-	-	2,173	-	2,173	2,182	2
-	-	-	1,005	714	1,734	3,453	19,252	3
-	-	73	5	1,842	3,193	5,113	7,068	4
-	-	8,941	-	4,009	180	13,130	14,581	5
-	-	-	-	-	-	-	3,888	6
-	-	475	130	1,033	1,919	3,557	7,422	7
15,026	-	1,119	8,970	4,212	6,186	35,513	59,914	8
-	-	-	-	246	-	246	12,674	9
-	-	1,471	38	5,023	458	6,990	22,535	10
-	-	-	-	-	-	-	-	11
-	-	-	97	123	-	220	8,773	12
-	-	92	-	712	65	869	879	13
-	-	1,105	54	6,821	937	8,917	52,189	14
-	-	3,020	1,340	5,753	1,043	11,156	32,247	15
-	-	17	-	295	3	315	581	16
-	-	9,644	2,311	23,447	1,631	37,033	52,714	17
-	69,408	2	-	295	-	69,705	17,204	18
-	-	623	92	4,942	67	5,724	69,705	19
165,536	-	5,479	-	12,832	-	183,847	7,448	20
-	-	50	35	71	13	169	184,167	21
18,158	-	-	-	4	46	18,208	405	22
-	2,239	461	12	4,797	44	7,553	27,983	23
-	-	-	-	-	-	-	49,945	24
-	-	-	-	-	-	-	-	25
-	-	-	70	64	-	134	-	26
-	-	89	385	67	174	715	302	27
-	-	73	1,892	468	50	2,483	7,448	28
-	-	769	13,673	4,559	116	19,117	7,114	29
-	-	40	17	219	84	360	34,989	30
-	-	-	-	-	-	-	4,418	31
-	-	694	137	286	101	1,218	167	32
-	-	57	88	150	1	296	4,648	33
-	-	221	272	4,860	450	5,803	2,881	34
-	-	1,148	-	1,274	55	2,477	6,220	35
-	-	-	-	-	-	-	3,489	36
-	-	28	-	18	-	46	1,622	37
-	-	7	-	-	-	7	1,111	38
-	-	165	30	187	160	542	151	39
-	-	754	641	7,192	763	9,350	4,545	40
-	-	-	-	14	-	14	23,562	41
-	-	-	-	-	-	-	21	42
-	-	-	-	580	-	580	-	43
-	-	145	-	1,866	29	2,040	812	44
-	-	-	-	17	-	17	2,047	45
-	-	-	-	9	-	9	36	46
-	-	-	-	124	-	124	9,466	47
-	-	638	685	5,456	245	7,024	124	48
-	-	369	35	151	-	555	49	49
198,720	71,647	51,663	35,422	253,765	42,902	654,119	19,643	50
-	-	-	-	-	-	-	716	51
-	-	7,540	1,548	6,055	409	15,552	15,806	53
-	-	8,685	4,375	27,528	7,210	47,798	52,873	54
-	-	15	-	19	745	779	779	55
3	-	67	19,647	12,576	3,973	36,266	38,014	56
-	-	9	-	-	-	9	9	57
-	-	49	709	1,858	2,405	5,021	5,124	58
-	-	-	74	2,932	1,123	4,129	4,129	59
-	-	2,306	3,753	14,435	1,863	22,357	24,533	60
-	-	-	182	12	-	194	218	61
-	-	108	-	684	45	837	1,235	62
-	-	355	39	558	143	1,095	2,433	63
-	-	1,826	363	5,512	1,479	9,180	13,736	64
-	-	336	60	1,145	232	1,773	2,782	65
-	-	17	-	24	-	41	41	66
-	-	969	-	911	75	1,955	2,243	67
3	-	22,282	30,750	74,249	19,702	146,986	163,955	68
103	-	4,103	768	19,861	2,532	27,367	32,325	69
-	-	-	-	-	-	-	403,469	70
4,248,367	71,647	1,181,803	184,914	4,107,874	746,807	10,541,412	21,203,701	71

WELLAND CANAL

TABLE 18. Location and Description

	From	To	Length of channel miles	Number	Locks		
					Minimum dimensions		
					Length	Width	Depth
Welland Canal	Port Weller	Port Colborne, Ont.	27.6	8	766 ¹	80	30

¹ Breastwall to fender.

TABLE 19. Historical Summary, 1956-65

Country of registry	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Vessel transits										
Upbound:										
Canada	3,366	3,195	3,007	2,604	2,446	2,356	2,114	2,192	2,156	2,156
United States	985	991	852	789	664	508	639	574	443	356
United Kingdom ¹	41	44	57	226	261	440	477	454	635	702
Other	324	372	489	727	765	800	805	735	893	923
Totals	4,716	4,602	4,405	4,346	4,136	4,104	4,035	3,955	4,127	4,137
Downbound:										
Canada	3,298	3,191	2,978	2,554	2,362	2,296	2,048	2,180	2,170	2,154
United States	985	953	815	778	631	543	651	539	426	384
United Kingdom ¹	40	42	53	242	269	443	473	440	659	708
Other	321	366	485	729	771	819	829	756	895	969
Totals	4,644	4,552	4,331	4,303	4,033	4,101	4,001	3,915	4,150	4,216
Grand totals	9,360	9,154	8,736	8,649	8,169	8,205	8,036	7,870	8,277	8,353
Net registered tonnage										
Upbound:										
Canada	8,415,509	7,869,319	7,749,945	7,440,456	7,985,140	9,016,598	8,869,606	10,793,493	10,869,281	11,441,013
United States	1,439,363	1,530,133	1,255,100	1,363,458	1,081,348	773,615	1,302,764	1,160,545	1,517,840	1,063,005
United Kingdom ¹	28,840	29,235	36,774	724,092	916,379	1,763,584	1,961,284	2,082,066	3,021,952	3,331,018
Other	275,406	314,429	411,234	1,574,929	2,014,373	2,287,643	2,540,868	2,311,179	3,074,160	3,332,924
Totals	10,159,118	9,743,116	9,453,053	11,102,935	11,997,240	13,841,440	14,674,522	16,347,283	18,483,233	19,167,960
Downbound:										
Canada	8,288,581	7,869,268	7,585,201	7,266,006	7,853,010	8,818,938	8,701,833	10,703,814	10,947,524	11,453,418
United States	1,460,322	1,523,621	1,251,542	1,409,253	1,078,993	821,354	1,271,856	1,147,719	1,501,444	1,056,849
United Kingdom ¹	28,067	28,166	34,047	755,799	926,891	1,702,171	1,920,027	1,994,464	3,104,124	3,357,667
Other	270,682	307,547	403,892	1,582,943	2,051,355	2,375,972	2,614,527	2,431,798	3,104,733	3,511,601
Totals	10,047,652	9,728,602	9,274,682	11,014,001	11,910,249	13,718,435	14,508,243	16,277,795	18,657,825	19,379,535
Grand totals	20,206,770	19,471,718	18,727,735	22,116,936	23,907,489	27,559,875	29,182,765	32,625,078	37,141,058	38,547,495
Cargo tonnage										
Upbound:										
Canada	4,183,451	4,403,553	4,179,508	7,073,632	5,776,293	5,098,397	7,075,866	8,292,042	11,959,424	12,178,658
United States	566,891	465,645	433,776	894,109	855,226	539,217	1,079,748	1,640,628	2,533,381	1,560,205
United Kingdom ¹	32,756	16,832	34,970	562,631	791,772	1,126,378	1,437,571	1,628,626	2,266,853	2,913,717
Other	286,214	254,642	357,333	1,066,194	976,432	880,660	1,323,185	1,617,205	1,795,342	3,321,546
Totals	5,069,312	5,140,672	5,005,587	9,596,566	8,399,723	7,644,652	10,916,370	13,178,501	18,555,000	19,974,126
Downbound:										
Canada	15,373,069	14,258,609	13,666,961	12,313,690	14,191,374	15,936,884	15,511,826	19,634,956	20,415,231	20,427,764
United States	2,294,298	2,605,432	2,124,193	1,835,374	1,338,914	1,261,462	1,767,181	1,462,156	1,974,622	1,442,889
United Kingdom ¹	32,028	35,615	43,477	1,119,736	1,610,708	2,579,610	3,099,075	3,338,079	5,434,501	5,840,045
Other	297,554	332,210	433,976	2,640,658	3,740,018	3,981,762	4,216,157	3,711,837	5,037,028	5,751,772
Totals	17,996,949	17,231,866	16,268,607	17,909,458	20,881,014	23,759,718	24,594,239	28,147,028	32,861,382	33,462,470
Grand totals	23,066,261	22,372,538	21,274,194	27,506,024	29,280,737	31,404,370	35,510,609	41,325,529	51,416,382	53,436,596
Season of navigation										
First vessel passage ...	March 31	March 30	April 1	April 6	April 1	April 1	April 1	April 1	April 1	April 1
Last vessel passage ...	Dec. 20	Dec. 18	Dec. 18	Dec. 15	Dec. 15	Dec. 15	Dec. 17	Dec. 19	Dec. 15	Dec. 15

¹ Includes other British Commonwealth.

TABLE 20. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the Welland Canal Section of the Seaway, by Kind of Vessel

Kind of vessel	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
	In ballast	With cargo	Total				
Upbound:							
Cargo	1,239	1,960	3,199	17,271,724	25,418,048	18,078,468	48
Passenger-cargo	6	72	78	288,127	497,350	214,112	418
Cargo-passenger	9	203	212	465,505	837,484	411,288	157
Scow, barge, etc.	2	3	5	4,343	4,699	7,461	—
Tug and scow	88	82	170	173,403	200,760	186,663	—
Tanker	105	228	333	882,872	1,428,597	1,076,134	—
Tug or dredge	82	—	82	12,588	19,242	—	—
Naval or Government	49	—	49	67,812	74,053	—	—
Other	9	—	9	1,586	2,330	—	—
Totals	1,589	2,548	4,137	19,167,960	28,482,563	19,974,126	623
Downbound:							
Cargo	276	2,938	3,214	17,363,722	25,554,890	30,854,272	36
Passenger-cargo	3	63	66	264,818	444,946	292,633	403
Cargo-passenger	2	252	254	581,521	1,042,778	916,817	193
Scow, barge, etc.	2	—	2	1,693	1,693	—	—
Tug and scow	49	132	181	216,544	253,041	325,418	—
Tanker	146	192	338	883,010	1,430,696	1,073,330	—
Tug or dredge	73	—	73	8,029	11,465	—	—
Naval or Government	73	—	73	58,394	75,563	—	—
Other	14	—	14	1,804	2,811	—	—
Totals	638	3,577	4,215	19,378,535	28,817,883	33,462,470	632
Grand totals	2,227	6,125	8,352	38,547,495	57,300,446	53,436,596	1,255

TABLE 21. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the Welland Canal Section of the Seaway, by Registry of Vessel

Country of registry	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
	In ballast	With cargo	Total				
Upbound:							
Canada	965	1,191	2,156	11,441,013	16,170,442	12,178,658	—
United States	161	195	356	1,063,005	1,492,964	1,560,205	369
United Kingdom	61	227	308	1,301,016	2,130,920	1,340,573	15
Other British Commonwealth	227	167	394	2,030,002	2,918,300	1,573,144	—
Belgium	2	3	5	53,378	63,441	39,024	—
Denmark	3	10	13	29,341	57,223	26,748	—
Finland	—	22	22	33,823	57,992	44,883	—
France	9	31	40	178,750	328,556	161,279	—
Germany	13	178	191	480,593	822,078	552,444	157
Greece	13	42	55	238,683	395,996	335,237	—
Italy	6	20	26	129,687	228,189	172,334	—
Netherlands	7	41	48	110,218	193,883	82,332	4
Norway	50	204	254	1,060,210	1,864,852	830,328	26
Sweden	18	71	89	215,846	411,506	189,760	20
Other European	7	21	28	114,171	197,025	87,465	30
Panama	4	12	16	66,240	111,306	90,202	—
Middle East	1	27	28	62,364	118,789	76,684	—
Other Asian	—	40	40	200,783	337,641	252,558	2
Liberia	22	38	60	327,519	526,817	358,401	—
Other	—	8	8	31,318	54,643	21,867	—
Totals	1,589	2,548	4,137	19,167,960	28,482,563	19,974,126	623
Downbound:							
Canada	411	1,743	2,154	11,453,418	16,153,275	20,427,764	1
United States	117	267	384	1,056,849	1,494,417	1,442,889	380
United Kingdom	38	279	317	1,334,578	2,188,923	2,156,564	56
Other British Commonwealth	35	356	391	2,023,089	2,902,883	3,683,481	—
Belgium	—	5	5	55,663	63,441	69,812	—
Denmark	2	14	16	33,652	69,020	73,272	—
Finland	1	21	22	22,065	43,227	42,376	—
France	1	38	39	188,198	340,863	371,163	—
Germany	1	201	202	532,929	915,379	909,654	105
Greece	5	50	55	238,335	394,958	412,730	—
Italy	—	29	29	147,032	259,184	269,831	—
Netherlands	—	51	51	109,658	193,857	197,057	38
Norway	11	249	260	1,086,376	1,904,713	1,774,535	21
Sweden	—	94	94	234,017	444,321	290,557	5
Other European	—	32	32	130,584	223,825	210,991	26
Panama	4	13	17	70,569	118,438	127,766	—
Middle East	—	32	32	74,004	140,583	98,390	—
Other Asian	4	37	41	202,832	343,005	202,959	—
Liberia	7	59	66	357,257	573,287	648,203	—
Other	1	7	8	28,430	50,284	52,476	—
Totals	638	3,577	4,215	19,378,535	28,817,883	33,462,470	632
Grand totals	2,227	6,125	8,352	38,547,495	57,300,446	53,436,596	1,255

TABLE 22. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the Welland Canal Section of the Seaway, by Length of Vessel

Length of vessel	Number of vessels			Net Registered Tonnage	Gross Registered Tonnage	Cargo tonnage	Number of passengers
	In ballast	With cargo	Total				
Upbound:							
Under 80 feet	65	3	68	3,522	4,875	45	—
80 to 119 feet	63	—	63	15,416	21,087	—	—
120 " 159 "	26	25	51	15,609	27,161	15,610	—
160 " 199 "	14	34	48	20,053	33,351	30,267	—
200 " 239 "	48	91	139	158,203	182,674	193,564	—
240 " 279 "	165	282	447	623,058	949,202	814,533	2
280 " 319 "	42	169	211	297,648	477,431	413,126	10
320 " 359 "	63	189	252	543,892	835,783	637,504	398
360 " 399 "	37	232	269	621,465	1,028,484	712,577	87
400 " 439 "	104	225	329	965,207	1,582,657	989,958	64
440 " 479 "	153	279	432	1,621,081	2,673,315	1,033,240	31
480 " 519 "	125	281	406	2,028,227	3,319,249	1,916,774	25
520 " 559 "	212	225	437	2,435,827	3,665,926	2,310,096	6
560 " 599 "	87	44	131	875,402	1,247,544	554,701	—
600 " 639 "	107	155	262	1,983,793	2,829,766	2,609,526	—
640 " 679 "	50	75	125	1,116,169	1,551,119	1,518,243	—
680 " 759 "	228	239	467	5,843,388	8,052,939	6,224,362	—
Totals	1,589	2,548	4,137	19,167,960	28,482,563	19,974,126	623
Downbound:							
Under 80 feet	68	1	69	5,429	10,074	1,849	—
80 to 119 feet	69	1	70	13,160	17,265	19	—
120 " 159 "	47	5	52	14,006	23,279	2,271	—
160 " 199 "	45	4	49	19,848	33,899	3,792	—
200 " 239 "	11	135	146	165,453	192,074	317,074	—
240 " 279 "	96	370	466	649,639	988,688	1,105,333	—
280 " 319 "	30	184	214	302,423	486,955	531,004	1
320 " 359 "	56	200	256	553,229	854,863	792,847	396
360 " 399 "	38	233	271	626,957	1,032,489	752,531	79
400 " 439 "	42	295	337	1,008,298	1,637,972	1,605,598	58
440 " 479 "	20	424	444	1,652,130	2,731,061	2,384,583	46
480 " 519 "	9	407	416	2,077,219	3,408,762	3,513,402	51
520 " 559 "	25	406	431	2,401,477	3,639,265	4,410,277	—
560 " 599 "	8	126	134	889,052	1,267,723	1,565,361	—
600 " 639 "	16	243	259	1,964,175	2,793,168	3,761,683	—
640 " 679 "	19	115	134	1,184,514	1,656,240	2,074,666	—
680 " 759 "	39	428	467	5,852,526	8,044,106	10,640,180	—
Totals	638	3,577	4,215	19,379,535	28,817,883	33,462,470	632
Grand totals	2,227	6,125	8,352	38,547,495	57,300,446	53,436,596	1,255

TABLE 23. Number and Tonnage of Vessels Upbound Through the Welland Canal Section of the Seaway, by Origin, by Registry of Vessel, and by Destination

Origin and country of registry	Destined to						Total		
	Canada			United States			Number of vessels	Net registered tonnage	Gross registered tonnage
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage			
Ports on Lake Ontario									
Country of registry:									
Canada	507	1,352,603	1,994,405	505	3,781,905	5,286,812	1,012	5,134,508	7,281,217
United States	6	8,926	11,905	121	251,041	340,686	127	259,967	352,591
United Kingdom	24	70,028	109,153	18	90,573	134,816	42	160,601	243,969
Other British Commonwealth	18	79,269	120,303	274	1,407,471	2,018,485	292	1,486,740	2,138,788
Denmark	1	4,927	8,931	2	4,613	8,040	3	9,540	16,971
Greece	1	1,607	2,972	1	4,241	7,131	2	5,848	10,103
Italy	—	—	—	1	4,290	7,498	1	4,290	7,498
Norway	5	15,670	27,434	6	31,846	56,701	11	47,516	84,135
Sweden	—	—	—	2	6,497	12,441	2	6,497	12,441
Panama	—	—	—	1	2,715	4,500	1	2,715	4,500
Liberia	1	5,161	8,680	4	15,021	25,980	5	20,182	34,660
Totals	563	1,538,191	2,283,783	935	5,600,213	7,903,090	1,498	7,138,404	10,186,873
Ports on the St. Lawrence River									
Country of Registry:									
Canada	362	1,827,324	2,618,261	753	4,364,638	6,093,174	1,115	6,191,962	8,711,435
United States	—	—	—	73	472,680	694,091	73	472,680	694,091
United Kingdom	7	35,198	51,584	55	281,687	397,301	62	316,885	448,385
Other British Commonwealth	5	25,831	39,355	87	475,688	667,562	92	501,519	706,917
Belgium	—	—	—	1	13,244	14,716	1	13,244	14,716
Denmark	1	732	1,099	—	—	—	1	732	1,099
Germany	1	1,629	2,387	3	8,710	15,581	4	10,339	17,968
Norway	1	1,296	2,791	—	—	—	1	1,296	2,791
Totals	377	1,892,010	2,715,477	972	5,616,647	7,882,425	1,349	7,508,657	10,597,902

TABLE 23. Number and Tonnage of Vessels Upbound Through the Welland Canal Section of the Seaway, by Origin, by Registry of Vessel, and by Destination — Concluded

Origin and country of registry	Destined to						Total		
	Canada			United States					
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Ports other than on Lake Ontario and the St. Lawrence River									
Country of registry:									
Canada	11	36,769	56,857	18	77,774	120,933	29	114,543	177,790
United States	1	99	146	155	330,259	446,136	156	330,358	446,282
United Kingdom	19	67,412	117,675	185	756,118	1,320,391	204	823,530	1,438,066
Other British Commonwealth	—	—	—	10	41,743	72,595	10	41,743	72,595
Belgium	—	—	—	4	40,134	48,725	4	40,134	48,725
Denmark	2	763	1,551	9	22,919	45,642	11	23,682	47,193
Finland	1	2,212	4,071	21	31,611	53,921	22	33,823	57,992
France	3	11,412	21,327	37	167,338	307,229	40	178,750	328,556
Germany	3	5,755	9,555	184	465,855	797,195	187	471,610	806,750
Greece	4	28,017	45,525	47	198,849	329,688	51	226,866	375,213
Italy	—	—	—	25	125,397	220,691	25	125,397	220,691
Netherlands	2	6,350	11,768	46	103,868	182,115	48	110,218	193,883
Norway	23	101,650	178,563	219	909,748	1,599,363	242	1,011,398	1,777,926
Sweden	—	—	—	88	211,836	403,764	88	211,836	403,764
Other European	2	5,944	11,337	26	108,227	185,688	28	114,171	197,025
Panama	—	—	—	15	63,525	106,806	15	63,525	106,806
South American Countries	1	6,571	10,930	—	—	—	1	6,571	10,930
Middle East Countries	—	—	—	28	62,364	118,789	28	62,364	118,789
Other Asian Countries	—	—	—	40	200,783	337,641	40	200,783	337,641
Liberia	7	41,594	67,252	48	265,743	424,905	55	307,337	492,157
Other African Countries	—	—	—	6	22,260	39,014	6	22,260	39,014
Australian Countries	—	—	—	—	—	—	—	—	—
Totals	79	314,548	536,557	1,211	4,206,351	7,161,231	1,290	4,520,899	7,697,788
Grand totals — Upbound	1,019	3,744,749	5,535,817	3,118	15,423,211	22,946,746	4,137	19,167,960	28,482,563

TABLE 23 A. Number and Tonnage of Vessels Downbound Through the Welland Canal Section of the Seaway, by Destination, by Registry of Vessel, and by Origin

Destination and country of registry	Originating in						Total		
	Canada			United States					
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Ports on Lake Ontario									
Country of registry:									
Canada	517	1,238,258	1,847,286	546	4,147,551	5,754,602	1,063	5,385,809	7,601,888
United States	—	—	—	131	257,458	348,648	131	257,458	348,648
United Kingdom	11	31,009	42,954	18	81,751	116,032	29	112,760	158,986
Other British Commonwealth	16	60,755	93,056	272	1,414,905	2,026,855	288	1,475,660	2,119,911
Greece	—	—	—	1	4,584	7,259	1	4,584	7,259
Norway	—	—	—	1	1,000	1,886	1	1,000	1,886
Panama	—	—	—	1	1,531	2,692	1	1,531	2,692
Totals	544	1,330,022	1,983,296	970	5,908,780	8,257,974	1,514	7,238,802	10,241,270
Ports on the St. Lawrence River									
Country of registry:									
Canada	617	3,865,747	5,436,450	418	1,948,862	2,714,194	1,035	5,814,609	8,150,644
United States	—	—	—	73	451,439	663,425	73	451,439	663,425
United Kingdom	20	97,594	140,000	45	225,083	313,022	65	322,677	453,022
Other British Commonwealth	27	136,296	201,529	68	375,864	521,636	95	512,160	723,165
Norway	—	—	—	3	11,123	19,664	3	11,123	19,664
Liberia	—	—	—	1	5,600	8,529	1	5,600	8,529
Totals	664	4,099,637	5,777,979	608	3,017,971	4,240,470	1,272	7,117,608	10,018,449

DOMINION BUREAU OF STATISTICS

TABLE 23 A. Number and Tonnage of Vessels Downbound Through the Welland Canal Section of the Seaway, by Destination, by Registry of Vessel, and by Origin - Concluded

Destination and country of registry	Originating in						Total		
	Canada			United States			Number of vessels	Net registered tonnage	Gross registered tonnage
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage			
Ports other than on Lake Ontario and the St. Lawrence River									
Country of registry:									
Canada	44	171,638	268,361	14	84,259	135,279	58	255,897	403,640
United States	—	—	—	179	347,805	482,197	179	347,805	482,197
United Kingdom	44	148,859	268,612	179	750,282	1,308,303	223	899,141	1,576,915
Other British Commonwealth	1	4,243	7,133	7	31,026	52,674	8	35,269	59,807
Belgium	—	—	—	5	55,663	63,441	5	55,663	63,441
Denmark	3	5,690	10,482	13	27,962	58,538	16	33,652	69,020
Finland	2	7,450	13,141	20	14,615	30,086	22	22,065	43,227
France	5	23,934	41,386	33	161,514	296,727	38	185,448	338,113
Germany	5	9,826	18,547	197	523,103	896,832	202	532,929	915,379
Greece	8	44,767	73,554	46	188,984	314,145	54	233,751	387,699
Italy	2	12,184	21,847	27	134,848	237,337	29	147,032	259,184
Netherlands	2	6,350	11,768	49	103,308	182,089	51	109,658	193,857
Norway	36	158,169	278,825	220	916,084	1,604,338	256	1,074,253	1,883,163
Sweden	6	15,939	31,560	88	218,078	412,761	94	234,017	444,321
Other European	3	7,119	13,788	29	123,465	210,037	32	130,584	223,825
Panama	—	—	—	16	69,038	115,746	16	69,038	115,746
Middle East	—	—	—	32	74,004	140,583	32	74,004	140,583
Other Asian	—	—	—	41	202,832	343,005	41	202,832	343,005
Liberia	16	83,911	136,831	49	267,746	427,927	65	351,657	564,758
Other	1	2,885	5,184	7	25,545	45,100	8	28,430	50,284
Totals	178	702,964	1,201,019	1,251	4,320,161	7,357,145	1,429	5,023,125	8,558,164
Grand totals - Downbound	1,386	6,132,623	8,962,294	2,829	13,246,912	19,855,589	4,215	19,379,535	28,817,883

TABLE 24. Number and Tonnage of Vessels Through the Welland Canal Section of the Seaway, by Registry of Vessel, and by Rig

Country of registry	Steam			Motor			Other			Total		
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Upbound:												
Canada	1,416	9,375,239	13,245,203	705	2,054,955	2,911,097	35	10,819	14,142	2,156	11,441,013	16,170,442
United States	128	764,309	1,108,548	87	131,314	191,903	141	167,382	192,513	356	1,063,005	1,492,964
United Kingdom	123	566,264	847,442	185	734,752	1,283,478	—	—	—	308	1,301,016	2,130,920
Other British Commonwealth	381	1,973,760	2,823,067	13	56,242	95,233	—	—	—	394	2,030,002	2,918,300
Belgium	—	—	—	5	53,378	63,441	—	—	—	5	53,378	63,441
Denmark	—	—	—	13	29,341	57,223	—	—	—	13	29,341	57,223
Finland	—	—	—	22	33,823	57,992	—	—	—	22	33,823	57,992
France	—	—	—	40	178,750	328,556	—	—	—	40	178,750	328,556
Germany	2	4,071	6,771	189	476,522	815,307	—	—	—	191	480,593	822,078
Greece	22	114,963	184,494	33	123,720	211,502	—	—	—	55	238,683	395,996
Italy	4	21,162	34,655	22	108,525	193,534	—	—	—	26	129,687	228,189
Netherlands	2	9,626	16,718	46	100,592	177,165	—	—	—	48	110,218	193,883
Norway	2	5,452	9,564	252	1,054,758	1,855,288	—	—	—	254	1,060,210	1,864,852
Sweden	3	10,667	21,045	87	207,666	395,160	—	—	—	90	218,333	416,205
Other European Countries	—	—	—	28	114,171	197,025	—	—	—	28	114,171	197,025
Panama	5	16,789	28,100	11	49,451	83,206	—	—	—	16	66,240	111,306
South American Countries	1	6,571	10,930	—	—	—	—	—	—	1	6,571	10,930
Middle East Countries	1	4,427	7,211	27	57,937	111,578	—	—	—	28	62,364	118,789
Other Asian Countries	5	24,473	36,595	35	176,310	301,046	—	—	—	40	200,783	337,641
Liberia	20	104,352	165,867	40	223,167	360,950	—	—	—	60	327,519	526,817
Other African Countries	—	—	—	6	22,260	39,014	—	—	—	6	22,260	39,014
Totals	2,115	13,002,125	18,546,210	1,846	5,987,634	9,729,698	176	178,201	206,655	4,137	19,167,960	28,482,563
Downbound:												
Canada	1,401	9,356,699	13,184,520	711	2,064,703	2,928,219	42	32,016	40,536	2,154	11,453,418	16,153,275
United States	122	710,921	1,046,687	122	164,397	238,293	140	181,531	209,437	384	1,056,849	1,494,417
United Kingdom	125	568,363	847,733	191	761,525	1,336,429	1	4,690	4,761	317	1,334,578	2,188,923
Other British Commonwealth	380	1,973,742	2,821,233	11	49,347	81,650	—	—	—	391	2,023,089	2,902,883
Belgium	—	—	—	5	55,663	63,441	—	—	—	5	55,663	63,441
Denmark	—	—	—	16	33,652	69,020	—	—	—	16	33,652	69,020
Finland	1	279	499	21	21,786	42,728	—	—	—	22	22,065	43,227
France	—	—	—	39	188,198	340,863	—	—	—	39	188,198	340,863
Germany	1	976	1,840	201	531,953	913,539	—	—	—	202	532,929	915,379
Greece	30	143,011	229,726	25	95,324	165,232	—	—	—	55	238,335	394,958
Italy	3	15,570	26,103	26	131,462	233,081	—	—	—	29	147,032	259,184
Netherlands	1	4,804	8,346	50	104,854	185,511	—	—	—	51	109,658	193,857
Norway	5	19,710	34,508	255	1,066,666	1,870,205	—	—	—	260	1,086,376	1,904,712
Sweden	1	1,413	2,754	93	232,604	441,567	—	—	—	94	234,017	444,321
Other European Countries	1	4,557	8,271	32	129,239	221,656	—	—	—	33	133,796	229,327
Panama	8	27,125	45,336	9	43,444	73,102	—	—	—	17	70,569	118,638
Middle East Countries	—	—	—	32	74,004	140,583	—	—	—	32	74,004	140,583
Other Asian Countries	5	23,770	36,099	36	179,062	306,906	—	—	—	41	202,832	343,005
Liberia	22	117,384	189,087	44	239,873	384,200	—	—	—	66	357,257	573,131
Other African Countries	—	—	—	7	25,218	44,182	—	—	—	7	25,218	44,182
Totals	2,106	12,968,324	18,482,742	1,926	6,192,974	10,080,407	183	218,237	254,734	4,215	19,379,535	28,817,883
Grand totals	4,221	25,970,449	37,028,952	3,772	12,180,608	19,810,105	359	396,438	461,389	8,352	38,547,495	57,300,446

TABLE 25. Number and Tonnage of Vessels Through the Welland Canal Section of the Seaway,
by Kind and Length of Vessel

Kind and length of vessel	Upbound			Downbound			Total		
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Cargo:									
Under 80 feet	—	—	—	2	5,957	12,193	2	5,957	12,193
120 to 159 feet	26	5,686	10,308	24	5,304	9,548	50	10,990	19,856
160 " 199 "	33	8,550	19,093	34	9,059	19,544	67	17,609	38,637
200 " 239 "	11	4,017	6,872	11	4,016	6,872	22	8,033	13,744
240 " 279 "	305	441,859	663,056	314	455,185	681,891	619	897,044	1,344,947
280 " 319 "	153	220,178	363,704	155	223,994	369,931	308	444,172	733,635
320 " 359 "	233	501,806	772,263	238	511,720	791,987	471	1,013,526	1,564,250
360 " 399 "	234	526,673	883,110	236	529,824	884,579	470	1,056,497	1,767,689
400 " 439 "	307	889,820	1,467,593	311	912,038	1,499,421	618	1,801,858	2,967,014
440 " 479 "	429	1,611,060	2,656,102	439	1,636,011	2,705,522	868	3,247,071	5,361,624
480 " 519 "	378	1,883,797	3,064,604	387	1,928,737	3,146,417	765	3,812,534	6,211,021
520 " 559 "	408	2,224,602	3,341,170	403	2,216,311	3,335,834	811	4,440,913	6,677,004
560 " 599 "	121	797,846	1,118,249	126	827,694	1,165,080	247	1,625,540	2,283,329
600 " 639 "	259	1,949,905	2,782,700	256	1,930,287	2,746,104	515	3,880,192	5,528,804
640 " 679 "	125	1,116,169	1,551,119	132	1,161,414	1,623,640	257	2,277,583	3,174,759
680 " 759 "	467	5,843,388	8,052,939	466	5,852,510	8,044,051	933	11,695,898	16,096,990
Totals	3,489	18,025,356	26,752,882	3,534	18,210,061	27,042,614	7,023	36,235,417	53,795,496
Barge or scow:									
80 to 119 feet	2	95	185	1	30	30	3	125	215
200 " 239 "	2	2,791	3,057	1	1,663	1,663	3	4,454	4,720
240 " 299 "	1	1,457	1,457	—	—	—	1	1,457	1,457
Totals	5	4,343	4,699	2	1,693	1,693	7	6,036	6,392
Tug and scow:									
Under 80 feet	12	792	1,131	13	1,276	1,649	25	2,068	2,780
80 to 119 feet	21	8,789	12,851	14	4,653	6,629	35	13,442	19,480
120 " 159 "	5	2,929	4,418	7	3,464	5,657	12	6,393	10,075
160 " 199 "	3	3,880	4,013	3	2,467	3,362	6	6,347	7,375
200 " 239 "	123	150,177	169,998	128	156,181	176,836	251	306,358	346,834
240 " 279 "	4	5,371	6,816	10	13,714	17,306	14	19,085	24,122
320 " 359 "	2	1,465	1,533	1	2,638	3,051	3	4,103	4,584
400 " 439 "	—	—	—	4	20,601	22,251	4	20,601	22,251
640 " 679 "	—	—	—	1	11,550	16,300	1	11,550	16,300
Totals	170	173,403	200,760	181	216,544	253,041	351	389,947	453,801
Tanker:									
160 to 199 feet	2	1,298	1,768	2	1,298	1,768	4	2,596	3,536
200 " 239 "	2	763	1,551	2	763	1,551	4	1,526	3,102
240 " 279 "	136	173,185	276,113	140	178,382	284,477	276	351,567	560,590
280 " 319 "	56	74,896	111,119	57	75,929	112,665	113	150,825	223,784
320 " 359 "	18	41,445	62,845	17	38,871	59,825	35	80,316	122,670
360 " 399 "	27	73,728	122,112	28	76,325	126,319	55	150,053	248,431
400 " 439 "	21	72,637	112,314	22	75,856	117,280	43	148,493	229,594
440 " 479 "	3	10,021	17,213	2	6,692	11,328	5	16,713	28,541
480 " 519 "	28	144,430	254,645	29	148,482	262,345	57	292,912	516,990
520 " 559 "	27	179,025	292,556	28	185,166	303,431	55	364,191	595,987
560 " 599 "	10	77,556	129,295	7	52,924	88,968	17	130,480	218,263
600 " 639 "	3	33,888	47,066	4	42,322	60,739	7	76,210	107,805
Totals	333	882,872	1,428,597	338	883,010	1,430,696	671	1,765,882	2,859,293
Tug or dredge:									
Under 80 feet	41	2,257	3,059	43	2,478	3,216	84	4,735	6,275
80 to 119 feet	32	5,026	5,955	25	3,462	4,465	57	8,488	10,420
120 " 159 "	4	3,336	6,269	2	592	858	6	3,928	7,127
160 " 199 "	4	1,514	2,763	2	1,042	1,730	6	2,556	4,493
200 " 239 "	1	455	1,196	1	455	1,196	2	910	2,392
Totals	82	12,588	19,242	73	8,029	11,465	155	20,617	30,707
Other:									
Under 80 feet	13	378	500	12	131	252	25	509	752
80 to 119 feet	10	1,601	2,281	31	5,045	6,171	41	6,646	8,452
120 " 159 "	16	3,658	6,166	19	4,646	7,216	35	8,304	13,382
160 " 199 "	6	4,811	5,714	8	5,982	7,495	14	10,793	13,209
240 " 279 "	—	—	—	4	3,547	7,210	4	3,547	7,210
280 " 319 "	2	2,936	3,510	3	3,686	6,119	5	6,622	9,629
360 " 399 "	8	21,064	23,262	6	17,861	17,861	14	38,925	41,123
400 " 439 "	1	2,750	2,750	1	2,750	2,750	2	5,500	5,500
440 " 479 "	—	—	—	2	5,000	7,000	2	5,000	7,000
520 " 559 "	2	32,200	32,200	—	—	—	2	32,200	32,200
640 " 679 "	—	—	—	1	11,550	16,300	1	11,550	16,300
Totals	58	69,398	76,383	87	60,198	78,374	145	129,596	154,757
Grand totals	4,137	19,167,960	28,482,563	4,215	19,379,535	28,817,883	8,352	38,547,495	57,300,446

TABLE 26. Number and Tonnage of Vessels Through the Welland Canal Section of the Seaway,
by Kind and Draft of Vessel

Kind and draft of vessel	Upbound			Downbound			Total		
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Cargo:									
5 feet and under	1	3,521	4,959	—	—	—	1	3,521	4,959
6 to 7 feet	—	—	—	2	473	900	2	473	900
8 " 9 "	10	7,131	10,763	5	1,188	1,924	15	8,319	12,687
10 " 11 "	12	7,175	12,986	3	1,806	3,200	15	8,981	16,186
12 " 13 "	62	71,034	117,841	39	22,165	38,140	101	93,199	155,981
14 " 15 "	107	170,762	272,048	100	154,411	242,569	207	325,173	514,617
16 " 17 "	193	418,809	645,381	205	341,480	537,876	398	760,289	1,183,257
18 " 19 "	421	857,468	1,338,602	435	873,329	1,352,936	856	1,730,797	2,691,538
20 " 21 "	832	3,374,313	5,024,950	796	3,214,269	4,733,065	1,628	6,588,582	9,758,015
22 " 23 "	409	1,867,936	2,707,683	400	1,838,269	2,650,957	809	3,706,205	5,358,640
24 " 25 "	721	4,499,844	6,750,135	768	4,679,792	7,099,650	1,489	9,179,636	13,849,785
26 " 27 "	609	5,965,513	8,604,178	658	6,179,688	8,955,391	1,267	12,145,201	17,559,569
28 " 29 "	67	506,061	797,552	82	645,056	1,000,315	149	1,151,117	1,797,867
30 feet and over	45	275,789	465,804	41	258,135	425,691	86	533,924	891,495
Totals	3,489	18,025,356	26,752,882	3,534	18,210,061	27,042,614	7,023	36,235,417	53,795,496
Barge or scow:									
8 feet and under	2	95	185	2	1,693	1,693	4	1,788	1,878
10 to 11 feet	1	1,505	1,638	—	—	—	1	1,505	1,638
12 to 13 feet	2	2,743	2,876	—	—	—	2	2,743	2,876
Totals	5	4,343	4,699	2	1,693	1,693	7	6,036	6,392
Tug and scow:									
5 feet and under	5	1,904	2,051	3	1,034	1,034	8	2,938	3,085
6 to 7 feet	9	5,266	5,910	14	18,599	21,375	23	23,865	27,285
8 " 9 "	14	6,404	7,771	15	3,566	5,060	29	9,970	12,831
10 " 11 "	53	57,255	67,466	55	64,822	75,688	108	122,077	143,154
12 " 13 "	87	99,694	114,354	84	98,101	112,343	171	197,795	226,697
14 " 15 "	2	2,880	3,208	6	6,983	7,821	8	9,863	11,029
18 " 19 "	—	—	—	3	14,099	20,380	3	14,099	20,380
20 " 21 "	—	—	—	1	9,340	9,340	1	9,340	9,340
Totals	170	173,403	200,760	181	216,544	253,041	351	389,947	453,801
Tanker:									
12 to 13 feet	16	18,266	26,366	18	19,665	28,623	34	37,931	54,989
14 " 15 "	75	92,055	130,881	73	91,157	129,642	148	183,212	260,523
16 " 17 "	58	95,208	158,215	62	103,146	171,123	120	198,354	329,338
18 " 19 "	38	54,647	92,714	39	52,470	87,725	77	107,117	180,439
20 " 21 "	24	53,381	86,326	23	49,078	79,399	47	102,459	165,725
22 " 23 "	35	96,528	156,880	37	102,744	166,749	72	199,272	323,629
24 " 25 "	19	68,583	112,397	21	88,199	148,015	40	156,782	260,412
26 " 27 "	50	313,401	517,601	42	262,291	431,187	92	575,692	948,788
28 " 29 "	16	71,073	117,853	19	85,520	144,144	35	156,593	261,997
30 feet and over	2	19,730	29,364	4	28,740	44,089	6	48,470	73,453
Totals	333	882,872	1,428,597	338	883,010	1,430,696	671	1,765,882	2,859,293
Tug or dredge:									
5 feet and under	4	104	114	3	48	58	7	152	172
6 to 7 feet	4	263	268	7	269	319	11	532	587
8 " 9 "	25	2,296	2,786	22	1,747	2,167	47	4,043	4,953
10 " 11 "	28	5,874	9,186	25	2,606	3,264	53	8,480	12,450
12 " 13 "	15	2,602	4,306	11	2,016	3,709	26	4,618	8,015
14 " 15 "	3	960	1,314	3	1,252	1,819	6	2,212	3,133
16 " 17 "	3	489	1,268	2	91	129	5	580	1,397
Totals	82	12,588	19,242	73	8,029	11,465	155	20,617	30,707
Other:									
5 feet and under	13	533	1,155	12	258	544	25	791	1,699
6 to 7 feet	5	347	561	12	967	1,238	17	1,314	1,799
8 " 9 "	4	855	1,025	11	2,989	5,129	15	3,844	6,154
10 " 11 "	5	1,362	1,831	7	2,839	3,277	12	4,201	5,108
12 " 13 "	15	4,821	7,258	29	9,138	14,472	44	13,959	21,730
14 " 15 "	4	4,280	4,581	4	4,488	4,789	8	8,768	9,370
16 " 17 "	1	1,186	1,760	2	3,936	4,510	3	5,122	6,270
18 " 19 "	3	5,643	7,841	—	—	—	3	5,643	7,841
20 " 21 "	7	31,371	31,371	9	24,033	28,115	16	55,404	59,486
24 " 25 "	1	19,000	19,000	—	—	—	1	19,000	19,000
26 " 27 "	—	—	—	1	11,550	16,300	1	11,550	16,300
Totals	58	69,398	76,383	87	60,198	78,374	145	129,596	154,757
Grand totals	4,137	19,167,960	28,482,563	4,215	19,379,535	28,817,883	8,352	38,547,495	57,300,446

TABLE 27. Cargo Tonnage Upbound Through the Welland Canal Section of the Seaway, by Origin and Destination

Origin and country of registry	Destination								
	Canada			United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
tons									
Ports on Lake Ontario and Welland Canal:									
Canada.....	798,173	—	798,173	1,525,433	120,195	1,645,628	2,323,606	120,195	2,443,801
United States.....	2,021	—	2,021	—	—	—	2,021	—	2,021
Totals.....	800,194	—	800,194	1,525,433	120,195	1,645,628	2,325,627	120,195	2,445,822
Ports on the St. Lawrence River:									
Canada.....	608,694	—	608,694	12,137,492	356,950	12,494,442	12,746,188	356,950	13,103,136
Totals.....	608,694	—	608,694	12,137,492	356,950	12,494,442	12,746,186	356,950	13,103,136
Ports other than Lake Ontario, the Welland Canal and the St. Lawrence River:									
Canada Atlantic ports.....	21,074	—	21,074	16,740	92,689	109,429	37,814	92,689	130,503
United States Atlantic ports.....	9,408	—	9,408	316,343	5,044	321,387	325,751	5,044	330,795
Other British Commonwealth.....	—	—	—	18,869	—	18,869	18,869	—	18,869
United Kingdom.....	1,105	25,990	27,095	30,584	551,027	581,611	31,689	577,017	608,706
Other British Commonwealth.....	62,978	2	62,980	80,858	57,209	138,067	143,836	57,211	201,047
Belgium.....	—	12,293	12,293	22,444	971,409	993,853	22,444	983,702	1,006,146
Denmark.....	—	260	260	3,229	4,579	7,808	3,229	4,839	8,068
Finland.....	—	—	—	75,409	15,154	90,563	75,409	15,154	90,563
France.....	—	—	—	55,578	105,342	160,920	55,578	105,342	160,920
Germany.....	—	402	402	11,977	356,691	368,668	11,977	357,093	369,070
Greece.....	—	—	—	40,566	715	41,281	40,566	715	41,281
Italy.....	—	58	58	2,091	72,258	74,349	2,091	72,316	74,407
Netherlands.....	—	584	584	71,112	104,062	175,174	71,112	104,646	175,758
Norway.....	1,152	8,371	9,523	6,986	30,507	37,493	8,138	38,878	47,018
Portugal.....	—	2,745	2,745	51	4,174	4,225	51	6,919	6,970
Sweden.....	—	416	416	27,733	27,927	55,660	27,733	28,343	56,076
Other European.....	—	939	939	43,136	30,260	73,396	43,136	31,199	74,335
Other Central America and Caribbean.....	27,476	—	27,476	—	—	—	27,476	—	27,476
South America.....	26,776	—	26,776	15,317	13,527	28,844	42,093	13,527	55,620
Middle East.....	—	—	—	—	1,199	1,199	—	1,199	1,199
Other Asian.....	—	—	—	39,342	880,455	919,797	39,342	880,455	919,797
Other Africa.....	—	—	—	9,517	11,029	20,546	9,517	11,029	20,546
Totals.....	149,969	52,060	202,029	887,882	3,335,257	4,223,139	1,037,851	3,387,317	4,425,166¹
Grand totals — Upbound.....	1,558,857	52,060	1,610,917	14,550,807	3,812,402	18,363,209	16,109,664	3,864,462	19,974,126

¹ Includes tons transported via New York State Barge Canal.

TABLE 27 A. Cargo Tonnage Downbound Through the Welland Canal Section of the Seaway, by Destination and Origin

Destination and country of registry	Origin								
	Canada			United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
tons									
Ports on Lake Ontario and Welland Canal:									
Canada.....	1,757,740	1,620	1,759,360	11,583,130	7,537	11,590,667	13,340,870	9,157	13,350,027
United States.....	51,229	1,871	53,100	306,498	—	306,498	357,727	1,871	359,598
Totals.....	1,808,969	3,491	1,812,460	11,889,628	7,537	11,897,165	13,698,597	11,028	13,709,625
Ports on the St. Lawrence River:									
Canada.....	7,821,008	4,318	7,825,326	4,122,447	199	4,122,646	11,943,455	4,517	11,947,972
United States.....	—	—	—	69,398	—	69,398	69,398	—	69,398
Totals.....	7,821,008	4,318	7,825,326	4,191,845	199	4,192,044	12,012,853	4,517	12,017,370
Ports other than Lake Ontario, the Welland Canal and the St. Lawrence River:									
Canada Atlantic ports.....	230,018	—	230,018	2,100	59	2,159	232,118	59	232,177
United States Atlantic ports.....	—	7,048	7,048	197,875	—	197,875	197,875	7,048	204,923
United States Hudson River ports.....	—	—	—	39,232	—	39,232	39,232	—	39,232
United Kingdom.....	447,524	25,058	472,582	1,111,705	67,600	1,179,305	1,559,229	92,658	1,651,887
Other British Commonwealth.....	6,752	10,120	16,872	99,634	86,901	186,535	106,368	97,021	203,407
Belgium.....	7,200	1,666	8,866	385,930	32,807	418,737	393,130	34,473	427,603
Denmark.....	2,175	76	2,251	224,115	3,705	227,820	226,290	3,781	230,071
Finland.....	8,500	290	8,790	1,273	4,485	5,758	9,773	4,775	14,548
France.....	19,030	6,340	25,370	163,672	30,515	194,187	182,702	36,855	219,557
Germany.....	118,842	5,631	124,473	692,094	66,699	758,793	810,936	72,330	883,266
Greece.....	—	56	56	16,050	6,270	22,320	16,050	6,326	22,376
Italy.....	36,764	3,515	40,279	284,588	24,910	309,498	321,352	28,425	349,777
Netherlands.....	214,578	4,603	219,181	1,563,823	144,977	1,708,800	1,778,401	149,580	1,927,981
Norway.....	6,410	913	7,323	97,747	6,712	104,459	104,157	7,625	111,782
Portugal.....	2,313	122	2,435	5,377	1,990	7,367	7,690	2,112	9,802
Sweden.....	—	1,687	1,687	10,751	25,026	35,777	10,751	26,713	37,464
Other European.....	47,953	3,085	51,038	247,171	54,021	301,192	295,124	57,106	352,230
Other Central America and Caribbean.....	4,794	37	4,831	16,686	5,394	22,080	21,480	5,431	26,911
South America.....	22,951	—	22,951	114,639	45,078	159,717	137,590	45,078	182,668
Middle East.....	11,306	—	11,306	68,381	33,323	101,704	79,687	33,323	113,010
Other Asian.....	2,590	5,879	8,469	307,112	68,993	376,105	309,702	74,872	384,574
Other Africa.....	20,805	3,134	23,939	70,253	16,037	86,290	91,058	19,171	110,229
Totals.....	1,210,505	79,260	1,289,765	5,720,208	725,502	6,445,710	6,930,713	804,762	7,735,475
Grand totals — Downbound.....	10,840,482	87,069	10,927,551	21,801,681	733,238	22,534,919	32,642,163	820,307	33,462,470

¹ Includes tons transported via New York State Barge Canal.

Table 28. Cargo Tonnage Upbound Through the Welland Canal Section of the Seaway, by Origin, and by Registry of Vessel

Origin	Country of registry	Cargo tonnage		
		Bulk	General	Total
Ports on Lake Ontario and the Welland Canal	Canada	1,663,787	113,420	1,777,207
	United States	28,558	—	28,558
	United Kingdom	9,428	176	9,604
	Other British Commonwealth	623,854	—	623,854
	Germany	—	218	218
	Norway	—	35	35
	Middle East Countries	—	6,346	6,346
Totals		2,325,627	120,195	2,445,822
Ports on the St. Lawrence River	Canada	10,051,256	297,099	10,348,355
	United States	1,188,233	—	1,188,233
	United Kingdom	651,425	—	651,425
	Other British Commonwealth	853,959	59,842	913,801
	Greece	—	9	9
	Panama	1,313	—	1,313
Totals		12,746,186	356,950	13,103,136
Ports other than on Lake Ontario, the Welland Canal and the St. Lawrence River	Canada	40,958	12,138	53,096
	United States	297,081	46,333	343,414
	United Kingdom	148,467	531,077	679,544
	Other British Commonwealth	7,849	27,640	35,489
	Belgium	—	39,024	39,024
	Denmark	1,144	25,604	26,748
	Finland	3,461	41,422	44,883
	France	16,870	144,409	161,279
	Germany	42,219	510,007	552,226
	Greece	76,526	258,702	335,228
	Italy	8,939	163,395	172,334
	Netherlands	704	81,628	82,332
	Norway	216,545	613,748	830,293
	Sweden	84,068	105,692	189,760
	Other European Countries	4,543	82,922	87,465
	Panama	5,376	83,513	88,889
	South American Countries	9,394	—	9,394
	Middle East Countries	2,029	68,309	70,338
	Other Asian Countries	9,443	243,115	252,558
	Liberia	59,356	299,045	358,401
Other African Countries	2,879	8,460	11,339	
Australasian Countries	—	1,134	1,134	
Totals		1,037,851	3,387,317	4,425,168
Grand totals — Upbound		16,109,664	3,864,462	19,974,126

TABLE 28 A. Cargo Tonnage Downbound Through the Welland Canal Section of the Seaway, by Destination, and by Registry of Vessel

Destination	Country of registry	Cargo tonnage		
		Bulk	General	Total
Ports on Lake Ontario and the Welland Canal	Canada	10,229,147	11,028	10,240,175
	United States	548,451	—	548,451
	United Kingdom	223,894	—	223,894
	Other British Commonwealth	2,686,890	—	2,686,890
	Greece	9,651	—	9,651
	Norway	564	—	564
Totals		13,698,597	11,028	13,709,625
Ports on St. Lawrence River	Canada	9,938,868	4,511	9,943,379
	United States	531,938	—	531,938
	United Kingdom	589,856	1	589,857
	Other British Commonwealth	952,191	—	952,191
	Netherlands	—	5	5
Totals		12,012,853	4,517	12,017,370
Ports other than on Lake Ontario, the Welland Canal and the St. Lawrence River	Canada	237,162	7,048	244,210
	United States	298,912	63,588	362,500
	United Kingdom	1,263,717	79,096	1,342,813
	Other British Commonwealth	20,860	23,540	44,400
	Belgium	65,550	4,262	69,812
	Denmark	59,036	14,236	73,272
	Finland	27,136	15,240	42,376
	France	363,679	7,484	371,163
	Germany	768,103	141,551	909,654
	Greece	381,807	21,272	403,079
	Italy	252,932	16,899	269,831
	Netherlands	180,524	16,528	197,052
	Norway	1,656,110	117,861	1,773,971
	Sweden	200,557	90,000	290,557
	Other European Countries	186,012	24,979	210,991
	Panama	124,837	2,929	127,766
	Middle East Countries	49,631	48,759	98,390
	Other Asian Countries	131,683	71,276	202,959
	Liberia	619,640	28,563	648,203
	Other African Countries	35,937	6,724	42,661
Pacific and Indian Ocean Islands	6,888	2,927	9,815	
Totals		6,930,713	804,762	7,735,475
Grand totals — Downbound		32,642,163	820,307	33,462,470

TABLE 29. Number of Vessels and Cargo Tonnage Through the Welland Canal Section of the Seaway, by Kind and Gross Tonnage of Vessel

Kind and gross tonnage of vessel	Upbound							Downbound							
	Number of vessels			Cargo tonnage			Average cargo tons per vessel	Number of vessels			Cargo tonnage			Average cargo tons per vessel	
	In ballast	With cargo	Total	Bulk	General	Total		In ballast	With cargo	Total	Bulk	General	Total		
Cargo:															
Under 1,000 gross tons	2	64	66	44,742	1,262	46,004	718.8	50	15	65	2,871	5,770	8,641	576.1	
1,000 to 1,999	34	73	107	34,969	83,540	118,509	1,623.4	3	106	109	206,657	39,632	246,289	2,323.5	
2,000 " 2,999	123	340	463	316,120	507,266	823,386	2,421.7	31	442	473	1,129,016	134,181	1,263,197	2,857.9	
3,000 " 3,999	71	195	266	420,388	276,419	696,807	3,573.4	33	245	278	1,000,802	72,814	1,073,616	4,382.1	
4,000 " 4,999	141	257	398	600,774	310,162	910,936	3,544.5	52	334	386	1,553,163	139,588	1,692,751	5,068.1	
5,000 " 5,999	95	164	259	526,462	193,703	720,165	4,391.3	8	262	270	1,409,033	66,765	1,475,798	5,632.8	
6,000 " 6,999	90	151	241	623,897	202,866	826,763	5,475.3	4	247	251	1,645,551	106,660	1,752,211	7,094.0	
7,000 " 7,999	188	240	428	1,631,904	517,132	2,149,036	8,954.3	19	405	424	3,761,815	79,246	3,841,061	9,484.1	
8,000 " 8,999	48	117	165	442,636	453,434	896,270	7,660.4	3	165	168	1,437,867	84,029	1,521,896	9,223.6	
9,000 " 9,999	57	91	148	597,473	317,035	914,508	10,049.5	1	148	149	1,549,432	70,543	1,619,975	10,945.8	
10,000 " 10,999	60	114	174	1,193,846	305,583	1,499,229	13,151.1	18	158	176	2,207,726	10,639	2,218,365	14,040.3	
11,000 " 11,999	66	85	151	847,922	412,793	1,260,715	14,831.9	12	150	162	2,211,655	—	2,211,655	14,744.4	
12,000 " 12,999	39	55	94	883,633	17,414	901,047	16,382.7	5	94	99	1,564,936	—	1,564,936	16,648.3	
13,000 " 13,999	25	40	65	580,854	38,952	619,806	15,495.2	8	57	65	1,037,791	1,228	1,039,019	18,228.4	
14,000 " 14,999	6	7	13	14,029	73,070	87,099	12,442.7	—	13	13	205,435	—	205,435	15,802.7	
15,000 " 15,999	29	22	51	459,393	25,479	484,872	22,039.6	3	49	52	1,105,221	—	1,105,221	22,555.5	
16,000 " 16,999	84	18	82	351,968	50,326	402,294	22,349.7	1	79	80	1,931,034	—	1,931,034	24,443.5	
17,000 and over	116	202	318	5,270,461	75,961	5,346,422	26,467.4	34	284	318	7,291,900	722	7,292,622	25,878.2	
Totals	1,254	2,235	3,489	14,841,471	3,862,397	18,703,868	...	281	3,253	3,534	31,251,905	811,817	32,063,722	...	
Barge or scow:															
Under 1,000 gross tons	2	—	2	—	—	—	—	1	—	1	—	—	—	—	
1,000 to 2,999	—	3	3	5,396	2,065	7,461	2,487.0	1	—	1	—	—	—	—	
Totals	2	3	5	5,396	2,065	7,461	...	2	—	2	—	—	—	...	
Tug and scow:															
Under 1,000 gross tons	30	3	33	45	—	45	15.0	31	1	32	19	—	19	19.0	
1,000 to 1,999	57	79	136	186,618	—	186,618	2,362.2	9	131	140	325,399	—	325,399	2,484.0	
2,000 " 2,999	1	—	1	—	—	—	—	3	—	3	—	—	—	—	
4,000 " 4,999	—	—	—	—	—	—	—	4	—	4	—	—	—	—	
9,000 " 9,999	—	—	—	—	—	—	—	1	—	1	—	—	—	—	
16,000 " 16,999	—	—	—	—	—	—	—	1	—	1	—	—	—	—	
Totals	88	82	170	186,663	—	186,663	...	49	132	181	325,418	—	325,418	...	
Tanker:															
Under 1,000 gross tons	—	3	3	1,444	—	1,444	481.3	3	—	3	—	—	—	—	
1,000 to 1,999	30	64	94	167,270	—	167,270	2,613.6	30	67	97	186,531	—	186,531	2,784.0	
2,000 " 2,999	21	79	100	287,219	—	287,219	3,635.7	59	43	102	136,815	—	136,815	3,181.7	
3,000 " 3,999	2	8	10	36,964	—	36,964	4,620.5	5	4	9	13,238	—	13,238	3,309.5	
4,000 " 4,999	4	27	31	166,262	—	166,262	6,157.9	12	11	23	56,816	—	56,816	5,165.1	
5,000 " 5,999	11	12	23	83,156	—	83,156	6,929.7	10	17	27	111,669	—	111,669	6,568.8	
6,000 " 6,999	4	—	4	—	—	—	—	6	3	9	19,020	—	19,020	6,340.0	
8,000 " 8,999	7	10	17	34,162	—	34,162	3,416.2	—	18	18	164,352	—	164,352	9,130.7	
9,000 " 9,999	5	4	9	27,694	—	27,694	6,923.5	1	8	9	95,676	—	95,676	11,959.5	
10,000 " 10,999	12	15	27	176,889	—	176,889	11,792.6	15	13	28	177,383	—	177,383	13,644.8	
11,000 " 11,999	2	—	2	—	—	—	—	—	2	2	25,900	—	25,900	12,950.0	
12,000 " 12,999	7	—	7	—	—	—	—	—	6	8	85,930	—	85,930	14,321.7	
13,000 " 13,999	—	3	3	41,218	—	41,218	13,739.3	2	—	2	—	—	—	—	
15,000 " 15,999	—	3	3	53,856	—	53,856	17,952.0	3	—	3	—	—	—	—	
Totals	105	228	333	1,076,134	—	1,076,134	...	146	192	338	1,073,330	—	1,073,330	...	
Other:															
Under 1,000 gross tons	124	—	124	—	—	—	—	142	—	142	—	—	—	—	
1,000 to 1,999	2	—	2	—	—	—	—	6	—	6	—	—	—	—	
2,000 " 2,999	8	—	8	—	—	—	—	5	—	5	—	—	—	—	
3,000 " 3,999	4	—	4	—	—	—	—	6	—	6	—	—	—	—	
13,000 " 13,999	1	—	1	—	—	—	—	—	—	—	—	—	—	—	
15,000 " 16,999	1	—	1	—	—	—	—	1	—	1	—	—	—	—	
Totals	140	—	140	—	—	—	...	160	—	160	—	—	—	...	
Grand totals	1,589	2,548	4,137	16,109,664	3,864,462	19,974,126	...	638	3,577	4,215	32,650,633	811,817	33,462,470	...	

TABLE 30. Cargo Tonnage Upbound Through the Welland Canal Section of the Seaway, by Commodity, and by Origin and Destination

No.	Commodity	Canada to		United States to		United Kingdom to		
		Canada	United States	Canada	United States	Canada	United States	
		tons						
	Food, feed, beverages and tobacco:							
1	Meat, fresh, chilled or frozen	—	—	—	—	—	31	
2	Meat, cured	—	—	—	—	—	—	
3	Meat and meat preparations, n.e.s.	—	—	—	—	—	—	
4	Fish, fresh, chilled or frozen	—	—	—	—	—	127	
5	Fish, smoked, salted, dried, or pickled	—	—	—	—	—	3	
6	Fish, canned	—	—	—	—	8	153	
7	Lobster	—	—	—	—	—	—	
8	Shell fish, n.e.s.; meat of marine animals; and other fishery foods and feeds	—	—	—	—	—	—	
9	Butter	—	—	—	—	—	—	
10	Cheese	—	—	—	—	—	—	
11	Milk powder	—	—	—	—	—	—	
12	Dairy produce, n.e.s.; eggs and honey	—	—	—	—	—	—	
13	Barley	—	7,032	—	—	—	—	
14	Corn	—	—	—	—	—	—	
15	Oats	—	—	—	—	—	—	
16	Rye	—	—	—	—	—	—	
17	Wheat	3,720	—	—	—	—	—	
18	Cereals, unmilled, n.e.s.	—	—	—	—	—	—	
19	Corn meal and flour	—	—	—	—	—	—	
20	Corn starch	—	—	—	—	—	11	
21	Malt and malt flour	—	—	—	—	—	—	
22	Wheat flour	—	—	—	—	—	—	
23	Cereals milled, n.e.s.	—	—	—	—	—	3	
24	Bakery products, incl. those frozen	—	—	—	—	1	100	
25	Macaroni and cereal products, and farinaceous substances and flour for use as feed	—	—	—	—	—	—	
26	Apples (incl. crab-apples)	—	—	—	—	—	—	
27	Bananas and plantains	—	—	—	—	—	—	
28	Fresh or chilled fruits and berries, n.e.s.	—	—	—	—	—	—	
29	Frozen fruits and berries	—	—	—	—	—	—	
30	Dried and dehydrated fruits	—	—	—	—	—	—	
31	Fruit juices, unfermented, not concentrated, and fruit juice concentrates	—	—	—	—	—	1,077	
32	Fruit pulp and purée (not canned)	—	—	—	—	—	—	
33	Fruits, preserved, not canned, n.e.s.	—	—	—	—	—	3	
34	Fruits and preparations, canned (exc. infant foods)	—	—	—	—	—	327	
35	Peanuts, roasted or otherwise prepared	—	—	—	—	—	—	
36	Nuts, except oil nuts, n.e.s.	—	—	—	—	—	—	
37	Potatoes	—	—	—	—	—	—	
38	Vegetables, fresh or chilled, n.e.s.	—	—	—	—	—	—	
39	Vegetables, frozen	—	—	—	—	—	—	
40	Vegetables, dried	—	—	—	—	—	—	
41	Vegetables and vegetable preparations, n.e.s.	—	—	—	21	—	7	
42	Raw sugar	—	—	—	31,068	—	—	
43	Sugar, n.e.s.	—	—	—	4,664	—	—	
44	Molasses, crude	—	—	—	38,477	—	—	
45	Molasses, refined	—	—	—	—	—	—	
46	Syrup	—	—	—	11,386	—	—	
47	Sugar preparations (incl. confectionery)	—	—	—	—	103	355	
48	Cocoa and chocolate	—	—	—	—	2	43	
49	Coffee	—	—	—	—	—	—	
50	Tea	—	—	—	—	—	2	
51	Spices	—	—	—	—	—	35	
52	Vinegar	—	—	—	—	—	—	
53	Margarine and similar products	—	—	—	—	—	—	
54	Shortening	—	—	—	—	—	—	
55	Lard	—	—	—	—	—	—	
56	Sausage skins or casings	—	—	—	—	—	25	
57	Miscellaneous foods, food materials and food preparations, n.e.s.	—	—	—	—	—	538	
58	Hay, forage and straw	—	—	—	—	—	—	
59	Hulls, screenings, chaff and scourings	—	—	—	—	—	—	
60	Wheat bran, shorts and middings	—	—	—	—	—	—	
61	Ground cereals and by-products, n.e.s.	—	—	—	—	—	—	
62	Cottonseed oil meal and cake	—	—	—	—	—	—	
63	Soyabean oil meal and cake	—	—	—	—	—	—	
64	Oil seed meals and cake, n.e.s.	—	—	—	—	—	—	
65	Brewers' and distillers' grains and solubles	—	—	—	—	—	15	
66	Feeds of vegetable origin, n.e.s.	—	—	—	—	—	—	
67	Feeds of animal origin	—	—	—	—	—	—	
68	Concentrated and complete feeds	—	—	—	—	—	—	
69	Non-alcoholic beverages	—	—	—	—	—	16	
70	Ale, beer, stout and porter	—	—	—	28	—	224	
71	Wines	—	—	—	5	—	377	
72	Fermented alcoholic beverages, n.e.s.	—	—	—	—	—	21	
73	Distilled alcoholic beverages	—	—	—	218	3	34,489	
74	Cigarettes	—	—	—	—	—	—	
75	Tobacco, n.e.s.	—	—	—	—	42	—	
76	Totals	3,720	7,032	—	85,867	159	38,227	

TABLE 30. Cargo Tonnage Upbound Through the Welland Canal Section of the Seaway, by Commodity, and by Origin and Destination

Other British Commonwealth to		Other Europe to		Other countries to		Total to		Grand total	No.
Canada	United States	Canada	United States	Canada	United States	Canada	United States		
				tons					
-	1,044	-	385	-	371	-	1,831	1,831	1
-	-	-	84	-	24	-	108	108	2
-	-	-	1,179	-	167	-	1,346	1,346	3
-	-	9	1,229	-	357	9	1,713	1,722	4
-	-	-	59	-	-	-	62	62	5
-	41	-	1,419	-	1,591	8	3,204	3,212	6
-	-	-	-	-	-	-	-	-	7
-	-	-	9	-	219	-	228	228	8
-	-	-	14	-	-	-	14	14	9
-	-	3	1,073	-	-	3	1,073	1,076	10
-	-	-	19	-	-	-	19	19	11
-	-	-	54	-	363	-	417	417	12
-	-	-	-	-	-	-	7,032	7,032	13
-	-	-	-	-	-	-	-	-	14
-	-	-	-	-	-	-	-	-	15
-	-	-	-	-	-	-	-	-	16
-	-	-	-	-	-	3,720	-	3,720	17
-	-	-	-	-	-	-	-	-	18
-	-	26	-	-	-	26	11	37	19
-	-	-	-	-	-	-	-	-	20
-	-	-	-	-	-	-	-	-	21
-	-	15	15	-	45	15	63	78	22
-	-	-	386	-	-	1	486	487	23
-	-	-	-	-	-	-	-	-	24
-	-	-	210	-	4,015	-	4,225	4,225	25
-	-	-	-	-	-	-	-	-	26
-	-	-	-	-	-	-	-	-	27
-	-	-	18	-	-	-	18	18	28
-	-	-	87	-	-	-	87	87	29
-	-	-	149	-	15	-	164	164	30
-	-	175	2,513	-	1,039	175	4,579	4,754	31
-	-	-	36	-	-	-	36	36	32
-	-	-	6,487	-	287	-	6,782	6,782	33
-	4,573	-	640	-	8,232	-	13,772	13,772	34
-	-	-	-	-	-	-	-	-	35
-	-	-	18	-	1,083	-	1,101	1,101	36
-	-	-	-	-	-	-	-	-	37
-	-	-	91	-	31	-	122	122	38
-	-	-	-	-	-	-	-	-	39
-	-	-	673	-	-	-	673	673	40
-	22	3,509	2,115	-	543	3,509	2,708	6,217	41
-	-	-	66	-	-	-	31,068	31,068	42
-	16,496	-	-	-	-	-	4,730	4,730	43
-	-	-	-	-	-	-	54,973	54,973	44
-	-	-	-	-	-	-	-	-	45
-	-	-	491	-	846	103	11,386	11,386	46
-	1,873	-	1,889	-	8,663	2	1,692	1,795	47
-	-	-	67	-	622	-	12,468	12,470	48
-	5	-	10	-	67	-	689	689	49
-	-	-	122	-	7	-	84	84	50
-	-	-	-	-	-	-	164	164	51
-	-	-	-	-	-	-	-	-	52
-	-	-	-	-	-	-	-	-	53
-	-	-	-	-	-	-	-	-	54
-	-	-	-	-	-	-	-	-	55
-	-	-	569	-	31	-	625	625	56
-	88	-	402	-	768	-	1,796	1,796	57
-	-	-	-	-	-	-	-	-	58
-	-	-	-	-	-	-	-	-	59
-	-	-	-	-	-	-	-	-	60
-	-	-	120	-	-	-	120	120	61
-	-	-	-	-	-	-	-	-	62
-	-	-	-	-	-	-	-	-	63
-	-	-	-	-	-	-	-	-	64
-	-	-	-	-	-	-	15	15	65
-	-	-	16	-	-	-	16	16	66
-	-	-	-	-	16	-	16	16	67
-	-	-	7	-	55	-	62	62	68
-	-	-	39	-	-	-	55	55	69
-	12	-	9,111	-	173	-	9,885	9,885	70
-	-	-	22,655	-	67	-	23,099	23,099	71
-	-	-	20	-	-	-	31	31	72
-	-	-	2,099	-	26	3	36,798	36,801	73
-	-	-	-	-	-	-	-	-	74
-	-	-	193	-	-	42	195	237	75
-	24,154	3,737	56,838	-	29,723	7,616	241,841	249,457	76

TABLE 30. Cargo Tonnage Upbound Through the Welland Canal Section of the Seaway, by Commodity,
and by Origin and Destination - Continued

No.	Commodity	Canada to		United States to		United Kingdom to	
		Canada	United States	Canada	United States	Canada	United States
		tons					
	Crude materials, inedible:						
1	Raw hides and skins and undressed fur skins	-	-	-	-	-	146
2	Crude animal products, inedible (except fibres), n.e.s.	-	-	-	-	-	-
3	Seeds for sowing, n.e.s.	-	-	-	-	-	-
4	Flaxseed	-	-	-	-	-	-
5	Mustard seed	-	-	-	-	-	-
6	Rapeseed	-	-	-	-	-	-
7	Soyabeans	-	-	-	-	-	-
8	Oil seeds, oil nuts and oil kernels, n.e.s.	-	-	-	-	-	-
9	Nursery and greenhouse stock and related materials	-	-	-	-	-	-
10	Rubber and allied gums, natural, and natural gums and resins	-	-	-	-	-	-
11	Crude vegetable products, inedible (except tobacco, fibres and wood), n.e.s.	-	-	-	-	2	103
12	Logs	-	-	-	-	-	-
13	Boils and round timber	-	-	-	-	-	-
14	Pulpwood	102,649	64,705	-	-	-	-
15	Crude wood materials, n.e.s.	-	-	-	-	-	-
16	Wool and fine animal hair suitable for spinning	-	-	-	-	-	179
17	Textile and related fibres (including waste), n.e.s.	-	-	-	-	-	28
18	Alumina and bauxite ore	-	-	-	-	-	-
19	Copper ore and concentrates and matte and precipitates	-	-	-	-	-	-
20	Iron ore, crude, and concentrates, calcined, roasted or treated	57,958	12,145,318	-	-	-	-
21	Lead ore and concentrates	-	-	-	-	-	-
22	Manganese ore	2,800	120,873	-	-	-	-
23	Nickel-copper ore, nickel-copper matte or speiss, and nickel concentrates	-	-	-	-	-	-
24	Titanium ore	-	-	-	-	-	-
25	Zinc ore and concentrates	-	-	-	-	-	-
26	Ores, concentrates and precipitates, n.e.s.	7,458	-	-	-	-	-
27	Iron and steel scrap	-	3,000	-	-	-	-
28	Non-ferrous and precious metal scrap	-	-	-	-	-	532
29	Slags, drosses and other by-products	-	-	-	-	-	-
30	Coal, bituminous, sub-bituminous, and lignite	9,428	25,313	-	-	-	-
31	Coal, n.e.s.	-	-	-	-	-	-
32	Crude petroleum, petroleum tops and natural gasoline	-	-	-	-	-	-
33	Crude petroleum, Canadian	-	-	-	-	-	-
34	Natural gas and other crude bituminous substances	-	-	-	-	-	-
35	Asbestos, unmanufactured, crude and fibre	-	3,333	-	-	-	-
36	Bentonite	-	-	-	-	-	2,564
37	China clay	-	2,414	-	-	-	5,174
38	Dolomite	-	-	-	-	-	-
39	Clay and other crude refractory materials, n.e.s.	-	-	-	-	-	-
40	Sand and gravel	46,008	11,675	-	-	-	-
41	Limestone	57,343	158,314	-	-	-	-
42	Crushed stone, incl. stone refuse (exc. limestone flux and crushed limestone)	28,507	716,020	-	-	-	-
43	Stone, crude, n.e.s.	11,648	76,870	-	-	-	-
44	Water and ice	-	-	-	-	-	-
45	Barytes, natural	-	-	-	-	-	-
46	Fluorspar	-	27,406	4,409	33,807	-	5,162
47	Gypsum	6,052	-	-	-	-	-
48	Phosphate rock	-	-	-	-	-	-
49	Salt	-	-	2,021	-	-	-
50	Sulphur in ores, crude and refined (exc. pharmaceutical grade)	-	-	-	-	-	-
51	Crude non-metallic minerals (except coal and petroleum), n.e.s.	-	-	-	-	-	28
52	Cotton and textile rags and waste	-	-	-	-	-	287
53	Hogged fuel (wood)	-	-	-	-	-	-
54	Waste and scrap materials, n.e.s.	-	-	-	-	-	66
55	Totals	327,851	13,355,241	6,430	33,807	2	14,274
	Fabricated materials, inedible:						
56	Leather	-	-	-	-	-	38
57	Furs, dressed	-	-	-	-	-	-
58	Rubber fabricated materials	-	-	-	-	45	139
59	Lumber and timber	-	-	-	-	-	-
60	Flooring	-	-	-	-	-	-
61	Railway ties	-	-	-	-	-	-
62	Shingles and shakes	-	-	-	-	-	-
63	Lath of wood	-	-	-	-	-	-
64	Other sawmill products, n.e.s.	-	-	-	-	-	-
65	Veneer, plywood and wood building boards	-	-	-	-	-	11
66	Cooperage stock and box, crate and package stock	-	-	-	-	-	-
67	Wood fabricated materials, n.e.s.	-	-	-	-	-	-
68	Pulp	801	5,154	-	-	-	-
69	Newsprint paper	-	514,660	-	-	-	-
70	Paper, n.e.s.	-	-	-	-	-	3
71	Paperboard	-	-	-	-	-	-
72	Building paper and building board (exc. wood, plastic and gypsum board)	-	-	-	-	-	34
73	Wet machine board and converted paper	-	-	-	-	-	-
74	Cordage, twine and rope (exc. braided cords and threads)	-	-	-	2,975	34	2,062
75	Jute broad woven fabrics	-	-	-	-	-	25
76	Textile fabricated materials, n.e.s.	-	-	-	-	11	77

TABLE 30. Cargo Tonnage Upbound Through the Welland Canal Section of the Seaway, by Commodity, and by Origin and Destination - Continued

Other British commonwealth to		Other Europe to		Other countries to		Total to		Grand total	No.
Canada	United States	Canada	United States	Canada	United States	Canada	United States		
	2		2,644				2,792	2,792	1
			74		54		128	128	2
			407				407	407	3
									4
									5
			51				51	51	6
									7
			2,642				2,642	2,642	8
			597				597	597	9
	34,261		8		52,590		86,859	86,859	10
	1,580		935		527	2	3,145	3,147	11
									12
						102,649	64,705	167,354	13
			28				28	28	14
									15
					26		205	205	16
	350		11		1,941		2,330	2,330	17
44,113	12,586		40,566	3,640	12,878	47,753	66,030	113,783	18
									19
			6,377			57,958	12,151,695	12,209,653	20
									21
	5,880					2,800	126,753	129,553	22
									23
									24
									25
4,497	10,989		8		55	11,955	11,052	23,007	26
					23		3,023	3,023	27
			1,122		3,221		4,875	4,875	28
			88				88	88	29
						9,428	25,313	34,741	30
									31
									32
									33
			124				124	124	34
	137						3,470	3,470	35
									36
			99				7,687	7,687	37
									38
			33				33	33	39
5,491	26,483					51,499	38,158	89,657	40
						57,343	158,314	215,657	41
									42
			3,598			26,507	716,020	742,527	43
						11,648	80,468	92,116	44
									45
			40,577			4,409	106,952	111,361	46
						6,052		6,052	47
									48
						2,021		2,021	49
									50
8,877	6,764	551	6,767		53	9,428	13,612	23,040	51
	618		3		188		1,096	1,096	52
									53
			42				108	108	54
62,978	99,650	551	106,801	3,640	71,556	401,452	13,681,329	14,082,781	55
									56
			40				78	78	57
									58
			124		98	45	361	406	59
	989		645		2,583		4,217	4,217	60
									61
									62
									63
	12		33		35		80	80	64
	21		10,244		14,719		24,995	24,995	65
									66
	90		32		1,856		1,978	1,978	67
			65,501			801	70,655	71,456	68
			3,125				517,785	517,785	69
			3,578		17		3,601	3,601	70
									71
	74		1,085		1,605		2,764	2,764	72
	302		12,784		367		13,537	13,537	73
			154				154	154	74
		422	16,426		453	456	21,916	22,372	75
	1,840		6				1,875	1,875	76
	4,160		62		133	11	4,432	4,443	77

TABLE 30. Cargo Tonnage Upbound Through the Welland Canal Section of the Seaway, by Commodity, and by Origin and Destination - Concluded

No.	Commodity	Canada to		United States to		United Kingdom to	
		Canada	United States	Canada	United States	Canada	United States
		tons					
	Fabricated materials, inedible - Concluded:						
1	Animal oils and fats (exc. marine)	-	-	-	-	-	25
2	Fish and marine animal oils	-	-	-	-	-	-
3	Soyabean oil	-	-	-	-	-	-
4	Vegetable oils and fats, exc. essential oils, n.e.s.	-	-	-	150	-	-
5	Oils, fats, waxes, extracts and derivatives, animal and vegetable, n.e.s.	-	-	-	-	-	36
6	Sulphuric acid (incl. oleum)	-	-	-	-	-	-
7	Metallic salts and peroxysalts, of inorganic acids	-	-	-	-	3	1,169
8	Inorganic chemicals, n.e.s.	-	-	-	-	6	468
9	Glycol	-	-	-	-	-	-
10	Organic chemicals, n.e.s.	6,260	-	4,999	9,264	1,105	11,567
11	Explosives, fuses and caps	-	-	-	-	-	-
12	Fertilizers and fertilizer materials, n.e.s.	-	-	-	-	-	-
13	Agricultural chemicals, formulates (crop and seed treatments and herbicides); other insecticides and rodenticides; and adhesives	-	-	-	-	2	121
14	Synthetic rubber (incl. rubber compounds and reclaimed rubber)	-	-	-	-	-	33
15	Plastic materials, not shaped, and plastics basic shapes and forms	-	-	-	-	-	50
18	Dyestuffs (exc. dyeing extracts); pigments, lakes and toners (exc. those in chemicals); and paints and related products	-	-	-	-	-	36
17	Chemical specialties, industrial, n.e.s.	19,784	-	-	9,562	-	589
18	Gasoline	176,112	-	-	-	-	-
19	Fuel oil	473,397	61,619	-	107,527	-	-
20	Lubricating oils and greases	106,828	-	-	89,347	-	27
21	Coke of petroleum and coal	-	-	-	-	-	-
22	Asphalts and road oils	-	-	-	-	-	-
23	Coal tar and coal pitch	-	-	-	-	-	-
24	Petroleum and coal products, n.e.s.	13,907	-	-	-	-	2
25	Ferro-alloys	3,601	9,600	-	-	-	85
26	Pig iron	-	222,129	-	-	-	6,595
27	Primary iron and steel, n.e.s.	-	-	-	-	189	10,984
28	Castings and forgings (exc. pipes and fittings)	-	-	-	-	-	139
29	Bars and rods, steel	-	717	-	-	181	97,213
30	Plate, sheet and strip, steel	-	43,317	-	8,411	6,968	267,854
31	Structural shapes and sheet piling	-	2,215	-	-	14,778	47,081
32	Rails and railway track material	-	-	-	-	-	-
33	Pipes and tubes, iron and steel (exc. fittings and finished electrical conduit and tubing)	-	32	-	-	1,055	3,703
34	Wire (incl. wire rope)	-	-	-	-	167	3,638
35	Aluminum (incl. alloys)	-	420	-	-	-	6,598
36	Copper and alloys	-	-	-	-	-	943
37	Lead and alloys	-	-	-	-	-	19
38	Nickel and alloys	-	-	-	-	-	-
39	Zinc and alloys	-	-	-	-	-	24
40	Non-ferrous metals, n.e.s.	-	-	-	-	-	232
41	Metal fabricated basic products	45	-	-	-	24	8,726
42	Building brick, clay	-	-	-	-	-	-
43	Drain tiles, sewer pipes and fittings	-	-	-	-	-	-
44	Bricks, tiles (clay) and refractories, n.e.s.	-	-	-	-	-	46
45	Glass basic products	-	-	-	-	37	5,724
46	Asbestos and asbestos-cement basic products	-	-	-	-	-	68
47	Cement	21,806	18,890	-	-	-	-
48	Cement and concrete basic products, n.e.s.	-	-	-	-	-	-
49	Lime	-	-	-	-	-	-
50	Non-metallic mineral basic products, n.e.s.	-	-	-	-	22	1,097
51	Miscellaneous fabricated materials	-	-	-	-	77	262
52	Totals	822,761	878,753	4,999	227,236	24,704	477,583
	End products, inedible:						
53	Tractors	-	-	-	-	491	11,489
54	Machinery, n.e.s.	-	135	-	110	1,117	9,477
55	Railway rolling stock	-	-	-	-	-	-
56	Passenger automobiles and chassis	-	-	-	-	-	7,389
57	Buses and chassis	-	-	-	-	-	-
58	Trucks, truck chassis and truck tractors, commercial	-	-	-	-	-	64
59	Military motor vehicles and trailers (exc. tanks)	-	-	-	-	-	-
60	Motor vehicle engines, accessories, parts and assemblies	-	-	-	-	-	1,602
61	Road motor vehicles, n.e.s.	-	-	-	-	-	4
62	Ships and boats; aircraft; and miscellaneous vehicles (incl. parts and accessories)	-	-	-	-	-	1,268
63	Rubber tires and tubes	-	-	-	-	53	58
64	Equipment	-	-	-	-	15	2,100
65	Personal and household goods	-	-	-	-	183	748
66	Firearms, weapons and ammunition	-	-	-	-	-	116
67	Containers and closures	-	-	-	-	113	-
68	Totals	-	135	-	110	1,972	34,315
69	Miscellaneous freight, n.e.s.	2,876	1,563	-	11	258	17,212
70	Domestic package freight	270,733	-	-	-	-	-
71	Grand totals - Upbound	1,427,941	14,242,724	11,429	347,031	27,095	581,611

TABLE 30. Cargo Tonnage Upbound Through the Welland Canal Section of the Seaway, by Commodity, and by Origin and Destination - Concluded

Other British Commonwealth to		Other Europe to		Other countries to		Total to		Grand total	No.
Canada	United States	Canada	United States	Canada	United States	Canada	United States		
				tons					
-	-	-	-	-	282	-	307	307	1
-	-	-	14,411	-	-	-	14,411	14,411	2
-	-	-	6	-	-	-	6	6	3
-	-	-	14,890	-	3,724	-	18,764	18,764	4
-	-	-	396	-	4,435	-	4,867	4,867	5
-	-	-	-	-	21	-	21	21	8
-	-	104	961	-	135	107	2,265	2,372	7
-	-	234	4,034	-	838	240	5,340	5,580	8
-	-	-	-	-	-	-	-	-	9
-	-	-	9,417	-	820	12,384	31,068	43,452	10
-	-	-	434	-	-	-	434	434	11
-	-	-	444	-	81	-	525	525	12
-	-	-	229	-	119	2	469	471	13
-	-	17	10	-	-	17	43	60	14
-	-	-	172	-	370	-	592	592	15
-	9	24	526	-	423	24	994	1,018	16
-	-	68	5,037	-	289	19,852	15,477	35,329	17
-	-	-	-	-	-	176,112	-	176,112	18
-	-	-	-	50,612	-	524,009	169,146	693,155	19
-	-	-	-	-	-	106,828	89,375	196,202	20
-	-	-	914	-	-	-	914	914	21
-	-	-	-	-	-	-	-	-	22
-	-	-	17	-	-	-	17	17	23
-	-	-	177	-	-	13,907	179	14,086	24
-	-	-	64,630	-	1,334	3,801	75,649	79,450	25
-	-	-	83,026	-	-	-	311,750	311,750	26
-	-	-	14,865	-	-	870	26,719	26,908	27
-	-	-	206	-	-	549	694	894	28
875	4,195	327,209	-	191,825	4,376	617,644	622,020	622,020	29
873	1,825	603,566	-	346,706	8,793	1,270,527	1,279,320	1,279,320	30
-	-	1,391	410,489	-	162,604	16,169	622,309	638,478	31
-	-	-	2,094	-	-	-	2,094	2,094	32
-	-	659	11,291	-	8,516	1,914	23,601	25,515	33
-	-	648	51,799	-	29,696	815	85,132	85,947	34
11	900	23,249	-	4,736	900	35,014	35,914	35,914	35
-	18	8	2,720	-	253	8	3,934	3,942	36
-	-	-	-	-	-	-	19	19	37
-	-	3,400	16	-	-	3,400	16	3,416	38
-	-	-	-	-	661	-	665	685	39
3,166	3,132	2,477	-	2,679	3,132	8,554	11,666	11,666	40
628	92	27,272	-	58,121	161	94,747	94,908	94,908	41
-	-	13	-	-	-	13	-	13	42
-	-	-	-	-	-	-	-	-	43
-	-	-	-	-	-	-	46	46	44
2	1,615	30,628	-	2,297	1,652	38,651	40,303	40,303	45
-	-	1,553	-	216	-	1,954	1,954	1,954	46
117	-	47	-	-	21,806	18,937	40,743	40,743	47
-	-	113	-	-	-	113	113	113	48
-	-	-	-	-	-	-	-	-	49
-	-	1,281	4,541	-	11,176	1,303	16,814	18,117	50
-	-	-	824	-	2,151	77	3,237	3,314	51
-	12,787	20,215	1,828,540	50,612	857,795	923,291	4,282,694	5,205,985	52
-	-	957	8,016	-	-	1,448	19,505	20,953	53
-	34	1,682	19,257	-	595	2,799	29,608	32,407	54
-	-	-	-	-	-	-	-	-	55
-	1	-	34,780	-	974	-	43,144	43,144	56
-	-	-	24	-	-	-	24	24	57
-	-	-	847	-	67	-	978	978	58
-	-	-	-	-	-	-	-	-	59
-	31	12	6,295	-	439	12	8,367	8,379	60
-	-	-	122	-	-	-	126	126	61
-	10	-	1,986	-	255	-	3,519	3,519	62
-	112	9	1,918	-	224	62	2,312	2,374	63
-	115	1	2,226	-	1,578	16	6,019	6,035	64
-	277	-	1,573	-	2,291	183	4,889	5,072	65
-	-	-	18	-	-	-	134	134	66
-	-	36	304	-	-	149	304	453	67
-	580	2,697	77,366	-	6,423	4,669	118,929	123,598	68
-	896	20	13,845	-	4,889	3,156	38,416	41,572	69
-	-	-	-	-	-	270,733	-	270,733	70
62,980	138,067	27,220	2,083,390	54,252	970,386	1,810,917	18,363,209	19,974,126	71

TABLE 30 A. Cargo Tonnage Downbound Through the Welland Canal Section of the Seaway, by Commodity, and by Origin and Destination

No.	Commodity	Canada to						Total
		Canada	United States	United Kingdom	Other British Commonwealth	Other Europe	Other countries	
		tons						
	Food, feed, beverages and tobacco:							
1	Meat, fresh, chilled or frozen	—	—	—	—	72	—	72
2	Meat, cured	—	—	—	—	—	—	—
3	Meat and meat preparations, n.e.s.	—	—	—	—	12	—	12
4	Fish, fresh, chilled or frozen	—	—	—	—	—	—	—
5	Fish, smoked, salted, dried, or pickled ..	—	—	—	—	—	—	—
6	Fish, canned	—	—	—	—	—	—	—
7	Lobster	—	—	—	—	—	—	—
8	Shell fish, n.e.s.; meat of marine animals; and other fishery foods and feeds	—	—	—	—	—	—	—
9	Butter	—	—	—	—	—	—	—
10	Cheese	—	—	—	—	—	—	—
11	Milk powder	—	—	—	—	940	—	940
12	Dairy produce, n.e.s.; eggs and honey ..	—	—	—	—	—	—	—
13	Barley	655,237	3,142	122,703	—	4,423	60	785,565
14	Corn	44,339	—	—	—	—	—	44,339
15	Oats	423,401	—	7,439	56	158,930	3,199	593,025
16	Rye	22,595	—	5,460	—	16,601	19	44,675
17	Wheat	7,321,216	—	77,063	—	105,865	15,107	7,519,251
18	Cereals, unmilled, n.e.s.	—	—	—	—	4,411	—	4,411
19	Corn meal and flour	—	—	—	—	—	—	—
20	Corn starch	—	—	—	—	—	—	—
21	Malt and malt flour	54,826	—	4,191	1,663	—	5,697	66,377
22	Wheat flour	16,743	—	31,665	—	—	26,889	75,297
23	Cereals milled, n.e.s.	—	—	—	—	—	—	—
24	Bakery products, incl. those frozen	—	—	—	—	—	—	—
25	Macaroni and cereal products, and farinaceous substances and flour for use as food	—	—	—	—	—	—	—
26	Apples (incl. crab-apples)	—	—	—	—	—	—	—
27	Bananas and plantains	—	—	—	—	—	—	—
28	Fresh or chilled fruits and berries, n.e.s.	—	—	—	—	—	—	—
29	Frozen fruits and berries	—	—	—	—	—	—	—
30	Dried and dehydrated fruits	—	—	—	—	—	—	—
31	Fruit juices, unfermented, not concentrated, and fruit juice concentrates	—	—	4,525	—	—	—	4,525
32	Fruit pulp and purée (not canned)	—	—	—	—	—	—	—
33	Fruits, preserved, not canned, n.e.s.	—	—	—	—	—	—	—
34	Fruits and preparations, canned (exc. infant foods)	—	—	—	—	23	—	23
35	Peanuts, roasted or otherwise prepared ..	—	—	—	—	—	—	—
36	Nuts, except oil nuts, n.e.c.	—	—	—	—	—	—	—
37	Potatoes	—	—	—	—	—	—	—
38	Vegetables, fresh or chilled, n.e.s.	—	—	—	—	—	—	—
39	Vegetables, frozen	—	—	—	—	29	—	29
40	Vegetables, dried	—	—	6,819	—	3,396	51	10,266
41	Vegetables and vegetable preparations, n.e.s.	—	—	1,314	—	121	—	1,435
42	Raw sugar	—	—	—	—	—	—	—
43	Sugar, n.e.s.	—	—	—	—	—	—	—
44	Molasses, crude	—	—	—	—	—	—	—
45	Molasses, refined	—	—	—	—	—	—	—
46	Syrup	—	—	—	—	—	—	—
47	Sugar preparations (incl. confectionery) ..	—	—	—	—	—	—	—
48	Cocoa and chocolate	—	—	—	—	—	—	—
49	Coffee	—	—	—	—	—	—	—
50	Tea	—	—	—	—	—	—	—
51	Spices	—	—	—	—	—	—	—
52	Vinegar	—	—	—	—	1	—	1
53	Margarine and similar products	—	—	—	—	—	—	—
54	Shortening	—	—	—	—	—	—	—
55	Lard	—	—	—	—	—	—	—
56	Sausage skins or casings	—	—	—	—	—	—	—
57	Miscellaneous foods, food materials and food preparations, n.e.s.	—	—	3,762	—	56	—	3,818
58	Hay, forage and straw	—	—	—	—	—	—	—
59	Hulls, screenings, chaff and scourings	12,919	—	65,928	—	—	—	78,847
60	Wheat bran, shorts and middlings	—	—	—	—	726	—	726
61	Ground cereals and by-products, n.e.s.	21,253	—	—	—	—	9,282	30,535
62	Cottonseed oil meal and cake	—	—	—	—	1,863	—	1,863
63	Soyabean oil meal and cake	3,077	—	—	—	23	—	3,100
64	Oil seed meals and cake, n.e.s.	2,518	—	2,347	—	—	—	4,865
65	Brewers' and distillers' grains and solubles	1,800	—	7,226	—	190	—	9,216
66	Feeds of vegetable origin, n.e.s.	3,167	—	4,055	16	113	58	7,409
67	Feeds of animal origin	—	—	—	—	—	—	—
68	Concentrated and complete feeds	—	—	—	—	—	—	—
69	Non-alcoholic beverages	—	—	—	—	—	—	—
70	Ale, beer, stout and porter	—	—	—	—	—	—	—
71	Wines	—	—	—	—	—	—	—
72	Fermented alcoholic beverages, n.e.s.	—	—	—	—	—	—	—
73	Distilled alcoholic beverages	—	—	186	—	513	—	699
74	Cigarettes	—	—	—	—	—	—	—
75	Tobacco, n.e.s.	—	—	5,172	—	204	—	5,376
76	Totals	8,583,091	3,142	349,855	1,735	298,512	60,362	9,296,697

TABLE 30 A. Cargo Tonnage Downbound Through the Welland Canal Section of the Seaway, by Commodity, and by Origin and Destination

United States to							Grand total	No.
Canada	United States	United Kingdom	Other British Commonwealth	Other Europe	Other countries	Total		
				tons				
		8,096	498	34,930	775	44,299	44,371	1
		151	339	278	37	805	805	2
		879	16	1,334	24	2,253	2,265	3
			6	187		193	193	4
								5
								6
								7
				2	14	16	16	8
			693	1,673	1,301	3,667	3,667	9
			420	7	135	562	562	10
		59	19,993	74,401	112,257	206,710	207,650	11
		302	55	1,615	363	2,335	2,335	12
104,679	25,758	29,676	12,222	562,628	18,918	753,881	1,539,446	13
2,085,122		761,950		1,068,160	6,890	3,922,122	3,966,461	14
		17,097	8,494	326,013		351,604	944,629	15
6,476				20,102		26,578	71,253	16
864,046	2,460	98,925	23,133	367,290	104,196	1,260,050	8,779,301	17
		27	340	2,562	6,588	9,517	13,928	18
		20	22,885	1,436	40,697	65,038	65,038	19
		1,981	206	44	8	2,239	2,239	20
			1,151		13,316	14,467	80,844	21
		640	2,206	39,587	120,273	162,706	238,003	22
		525	6,456	7,412	10,182	24,575	24,575	23
				2		2	2	24
		16	1,531	1,291	273	3,111	3,111	25
				152		152	152	26
								27
				1,380		1,380	1,380	28
				3,576		3,576	3,576	29
		57		2,126		2,183	2,183	30
		409	6	5,086		5,501	10,026	31
								32
		398		8,089	2	8,489	8,489	33
		391		4,629	7	5,027	5,050	34
								35
								36
								37
		60		17	2	79	79	38
							29	39
102,923		40,753	5,450	25,862	9,271	184,259	194,525	40
		337	12	1,076	37	1,462	2,897	41
	2,507					2,507	2,507	42
		68		559		627	627	43
								44
								45
								46
		432	6	244	26	708	708	47
								48
				17	12	29	29	49
				88		88	88	51
				5		5	6	52
								53
				20		20	20	54
		57,430		4,517		61,947	61,947	55
		198		508		706	706	56
24		587	137	1,451	314	2,513	6,331	57
				43,817		43,817	43,817	58
				6,410		6,410	85,257	59
				10,003		10,003	10,729	60
		147		23,835		23,982	54,517	61
							1,863	62
15,445		4,425	10,979	138,784	23,517	193,150	196,250	63
		114	136	98,756		99,006	103,871	64
		12		4,728		4,740	13,956	65
		2,497	17	134,024	300	136,838	144,247	66
			142	1,152		1,294	1,294	67
		72	32	1,523	118	1,745	1,745	68
								69
			22	19	18	59	59	70
		69		94		163	163	71
								72
		158		216		374	1,073	73
								74
			20	332		352	5,728	75
2,978,715	30,725	1,028,958	117,603	3,034,049	469,871	7,659,921	16,956,618	76

TABLE 30 A. Cargo Tonnage Downbound Through the Welland Canal Section of the Seaway,
by Commodity, and by Origin and Destination - Continued

No.	Commodity	Canada					Total
		Canada	United States	United Kingdom	Other British Commonwealth	Other Europe	
		tons					
	Crude materials, inedible:						
1	Raw hides and skins and undressed fur skins	-	-	-	-	332	181
2	Crude animal products, inedible (except fibres), n.e.s.	-	-	-	-	-	-
3	Seeds for sowing, n.e.s.	-	-	49	-	619	668
4	Flaxseed	102,866	-	77,810	-	108,781	1,045
5	Mustard seed	-	-	-	-	-	-
6	Rapeseed	-	-	1,736	-	20,486	-
7	Soyabans	53,411	-	2,387	-	-	-
8	Oil seeds, oil nuts and oil kernels, n.e.s.	-	-	-	-	935	-
9	Nursery and greenhouse stock and related materials	-	-	-	-	-	-
10	Rubber and allied gums, natural, and natural gums and resins	-	-	-	-	-	-
11	Crude vegetable products, inedible (except tobacco, fibres and wood), n.e.s.	-	-	-	-	-	-
12	Logs	-	-	-	-	-	-
13	Bolts and round timber	-	-	-	-	-	-
14	Pulpwood	13,441	-	-	-	-	-
15	Crude wood materials, n.e.s.	-	-	-	-	-	-
16	Wool and fine animal hair suitable for spinning	-	-	-	-	-	-
17	Textile and related fibres (including waste), n.e.s.	-	-	-	-	-	-
18	Alumina and bauxite ore	-	-	-	-	-	-
19	Copper ore and concentrates and matte and precipitates	-	-	-	-	-	-
20	Iron ore, crude, and concentrates, calcined, roasted or treated	11,817	-	-	-	-	-
21	Lead ore and concentrates	-	-	-	-	-	-
22	Manganese ore	-	-	-	-	-	-
23	Nickel-copper ore, nickel-copper matte or speiss, and nickel concentrates	-	-	-	-	-	-
24	Titanium ore	-	-	-	-	-	-
25	Zinc ore and concentrates	-	-	-	-	-	-
26	Ores, concentrates and precipitates, n.e.s.	-	-	-	-	-	-
27	Iron and steel scrap	-	-	-	-	-	-
28	Non-ferrous and precious metal scrap	-	-	-	-	239	-
29	Slags, drosses and other by-products	-	-	-	-	-	-
30	Coal, bituminous, sub-bituminous, and lignite	570	-	-	-	-	-
31	Coal, n.e.s.	-	-	-	-	-	-
32	Crude petroleum, petroleum tops and natural gasoline	-	-	-	-	-	-
33	Crude petroleum, Canadian	-	-	-	-	-	-
34	Natural gas and other crude bituminous substances	-	-	-	-	-	-
35	Asbestos, unmanufactured, crude and fibre	-	-	-	-	-	-
36	Bentonite	10,743	-	-	-	-	-
37	China clay	-	-	-	-	-	-
38	Dolomite	-	-	-	-	-	-
39	Clay and other crude refractory materials, n.e.s.	-	-	174	-	-	-
40	Sand and gravel	12,441	-	-	-	-	-
41	Limestone	-	-	-	-	-	-
42	Crushed stone incl. stone refuse (exc. limestone flux and crushed limestone)	20,240	-	-	-	-	-
43	Stone, crude, n.e.s.	9,000	-	-	-	-	-
44	Water and ice	-	-	-	-	-	-
45	Barytes, natural	-	-	-	-	-	-
46	Fluorspar	-	-	-	-	-	-
47	Gypsum	-	-	-	-	-	-
48	Phosphate rock	-	-	-	-	-	-
49	Salt	457,092	32,280	-	-	-	-
50	Sulphur in ores, crude and refined (exc. pharmaceutical grade)	-	-	-	-	-	-
51	Crude non-metallic minerals (except coal and petroleum), n.e.s.	-	-	-	-	-	-
52	Cotton and textile rags and waste	-	-	-	-	-	-
53	Hogged fuel (wood)	-	-	-	-	-	-
54	Waste and scrap materials, n.e.s.	-	4,000	-	-	52	-
55	Totals	691,621	36,280	81,956	-	131,444	1,226
	Fabricated materials, inedible:						
56	Leather	-	-	-	-	-	-
57	Furs, dressed	-	-	-	-	-	-
58	Rubber fabricated materials	-	-	-	-	-	-
59	Lumber and timber	-	-	-	-	36	-
60	Flooring	-	-	-	-	-	-
61	Railway ties	-	-	-	-	-	-
62	Shingles and shakes	-	-	-	-	-	-
63	Lath of wood	-	-	-	-	-	-
64	Other sawmill products, n.e.s.	-	-	-	-	-	-
65	Veneer, plywood and wood building boards	-	-	17	-	-	-
66	Cooperage stock and box, crate and package shooK	-	-	-	-	-	-
67	Wood fabricated materials, n.e.s.	-	-	-	-	1	-
68	Pulp	-	-	2,067	-	7,133	-
69	Newsprint paper	4,318	7,048	-	1,713	-	-
70	Paper, n.e.s.	-	-	-	-	6	-
71	Paper board	-	-	-	-	2	-
72	Building paper and building board (exc. wood, plastic and gypsum board)	-	-	286	-	-	-
73	Wet machine board and converted paper	-	-	-	-	-	-
74	Cordage, twine and rope (exc. braided cords and threads)	-	-	-	-	-	-
75	Jute broad woven fabrics	-	-	-	-	-	-
76	Textile fabricated materials, n.e.s.	-	-	-	-	-	-

TABLE 30 A. Cargo Tonnage Downbound Through the Welland Canal Section of the Seaway, by Commodity, and by Origin and Destination - Continued

United States to								No.
Canada	United States	United Kingdom	Other British Commonwealth	Other Europe	Other countries	Total	Grand Total	
tons								
-	-	4,273	40	55,398	4,481	64,192	64,705	1
-	-	75	-	89	78	242	242	2
-	-	662	56	2,747	534	3,999	4,667	3
-	-	-	-	86,719	-	86,719	377,021	4
-	-	-	-	-	-	-	-	5
-	-	-	-	-	-	-	22,222	6
1,002,811	-	50,539	-	437,539	190,928	1,681,817	1,737,615	7
-	-	-	-	-	-	-	935	8
-	-	-	-	1	-	1	1	9
-	-	-	-	-	-	-	-	10
-	-	1	-	-	-	1	1	11
-	-	628	-	21,504	171	22,303	22,303	12
-	-	-	-	-	-	-	-	13
-	-	-	-	-	-	-	13,441	14
-	-	-	-	8	-	8	8	15
-	-	134	-	1,007	-	1,141	1,141	16
-	-	172	-	1,276	63	1,511	1,511	17
-	-	-	-	-	-	-	-	18
3,902,435	-	-	-	-	-	3,902,435	3,914,252	19
-	-	-	-	-	-	-	-	20
-	-	-	-	-	-	-	-	21
-	-	-	103	-	-	103	103	22
-	-	-	-	-	-	-	-	23
-	-	-	-	-	-	-	-	24
-	-	-	-	-	-	-	-	25
-	-	33	-	23	-	56	56	26
47,456	-	28	-	74,988	12,906	135,378	135,378	27
-	-	447	-	3,860	391	4,698	4,937	28
7,150,251	-	946	-	1,053	30	2,029	2,029	29
-	-	-	-	-	-	7,150,251	7,150,821	30
-	-	-	1,901	11	-	1,912	1,912	31
-	-	-	-	-	-	-	-	32
-	-	-	-	-	-	-	-	33
-	-	2,931	-	1,311	46	4,288	4,288	34
-	-	-	-	-	-	-	-	35
68,591	-	11,777	-	9,305	254	89,927	100,670	36
7,577	-	-	-	1,182	-	8,759	8,759	37
-	-	-	-	187	-	187	187	38
60,194	-	141	-	3,756	19	64,110	64,284	39
97,530	-	29	-	6	-	97,565	110,006	40
-	-	-	-	-	-	-	-	41
-	-	-	-	-	-	-	20,240	42
-	-	-	-	-	-	-	9,000	43
-	-	-	-	-	-	-	-	44
-	-	-	-	-	-	-	-	45
-	-	-	-	-	-	-	-	46
-	-	-	-	43	-	43	43	47
-	-	-	-	-	-	-	-	48
126,797	-	-	-	25	-	126,822	616,194	49
-	-	-	-	-	-	-	-	50
-	-	1,097	167	5,641	1	6,906	6,906	51
-	-	252	-	6,024	1,331	7,607	7,607	52
-	-	-	-	-	-	-	-	53
-	-	224	5	3,881	13	4,123	8,175	54
12,463,642	-	74,389	2,272	717,584	211,246	13,469,133	14,411,660	55
-	-	47	-	90	-	137	137	56
-	-	-	-	-	-	-	-	57
-	-	30	-	32	20	82	82	58
-	-	2,515	27	1,722	106	4,370	4,406	59
-	-	24	-	-	-	24	24	60
-	-	-	-	-	-	-	-	61
-	-	-	-	-	-	-	-	62
-	-	-	-	-	-	-	-	63
-	-	-	3	-	17	20	20	64
-	-	89	-	409	-	498	515	65
-	-	-	1	-	-	1	1	66
-	-	232	-	32	-	264	265	67
-	-	56	341	-	-	397	9,597	68
-	-	-	-	-	-	-	13,079	69
-	-	134	447	956	47	1,584	1,590	70
-	-	91	-	4	228	323	325	71
-	-	83	-	163	14	260	546	72
-	-	8	-	3	-	11	11	73
-	-	-	-	-	-	-	-	74
-	-	-	-	-	-	-	-	75
-	-	2	23	75	1	101	101	76

TABLE 30 A. Cargo Tonnage Downbound Through the Welland Canal Section of the Seaway, by Commodity, and by Origin and Destination - Concluded

No.	Commodity	Canada to					Total
		Canada	United States	United Kingdom	Other British Commonwealth	Other Europe		Other Countries
		tons					
	Fabricated materials, inedible - Concluded:						
1	Animal oils and fats (exc. marine)	-	-	-	-	-	-
2	Fish and marine animal oils	-	-	-	-	-	-
3	Soyabean oil	-	-	-	-	-	-
4	Vegetable oils and fats, exc. essential oils, n.e.s.	-	-	-	-	-	-
5	Oils, fats, waxes, extracts and derivatives, animal and vegetable, n.e.s.	-	-	-	-	-	-
6	Sulphuric acid (incl. oleum)	-	-	-	-	3,888	3,888
7	Metallic salts and peroxysalts, of inorganic acids	3,576	-	-	-	130	3,706
8	Inorganic chemicals, n.e.s.	49,192	3,910	956	-	45	6,373
9	Glycol	14,364	-	8,009	61	292	22,726
10	Organic chemicals, n.e.s.	2,319	-	6,958	-	4,536	13,813
11	Explosives, fuses and caps	-	-	-	-	-	-
12	Fertilizers and fertilizer materials, n.e.s.	-	4,000	-	-	8,510	12,510
13	Agricultural chemicals, formulates (crop and seed treatments and herbicides); other insecticides and rodenticides; and adhesives	-	-	-	-	-	-
14	Synthetic rubber (incl. rubber compounds and reclaimed rubber)	-	-	8,812	4,342	24,701	4,794
15	Plastic materials, not shaped, and plastics basic shapes and forms	-	-	10,179	6,501	2,427	522
16	Dyestuffs (exc. dyeing extracts); pigments, lakes and toners (exc. those in chemicals); and paints and related products	-	-	-	62	-	62
17	Chemical specialties, industrial, n.e.s.	15,358	3,897	1,257	2,451	2,193	253
18	Gasoline	27,026	-	-	-	-	-
19	Fuel oil	126,644	-	-	-	-	-
20	Lubricating oils and greases	5,275	-	206	-	45	-
21	Coke of petroleum and coal	-	-	320	-	-	-
22	Asphalts and road oils	-	-	-	-	-	-
23	Coal tar and coal pitch	5,392	-	-	-	-	-
24	Petroleum and coal products, n.e.s.	19,009	-	956	-	-	90
25	Ferro-alloys	-	-	-	-	-	-
26	Pig iron	-	-	-	-	-	-
27	Primary iron and steel, n.e.s.	-	-	-	-	-	-
28	Castings and forgings (exc. pipes and fittings)	5,922	-	-	-	-	-
29	Bars and rods, steel	-	-	-	-	-	-
30	Plate, sheet and strip, steel	-	-	-	-	-	-
31	Structural shapes and sheet piling	-	-	-	-	-	723
32	Rails and railway track material	-	-	-	-	-	-
33	Pipes and tubes, iron and steel (exc. fittings and finished electrical conduit and tubing)	-	-	-	-	4	2,411
34	Wire (incl. wire rope)	-	-	-	-	-	-
35	Aluminum (incl. alloys)	-	-	253	-	-	-
36	Copper and alloys	-	-	-	-	6	-
37	Lead and alloys	-	-	-	-	-	79
38	Nickel and alloys	-	-	-	-	-	3
39	Zinc and alloys	-	-	-	-	-	-
40	Non-ferrous metals, n.e.s.	-	-	-	-	-	-
41	Metal fabricated basic products	10,161	-	-	-	645	-
42	Building brick, clay	-	-	-	-	-	-
43	Drain tiles, sewer pipes and fittings	-	-	-	-	-	-
44	Bricks, tiles, (clay) and refractories, n.e.s.	-	-	232	-	-	-
45	Glass basic products	-	-	-	-	-	-
46	Asbestos and asbestos-cement basic products	-	-	-	-	-	-
47	Cement	17,090	-	-	-	-	-
48	Cement and concrete basic products, n.e.s.	-	-	-	-	-	-
49	Lime	-	-	-	-	-	-
50	Non-metallic mineral basic products, n.e.s.	601	-	262	-	1,206	-
51	Miscellaneous fabricated materials	-	-	-	-	-	-
52	Totals	306,247	18,855	40,770	15,130	51,918	19,136
	End products, inedible:						
53	Tractors	-	-	-	-	-	-
54	Machinery, n.e.s.	240	-	-	-	60	-
55	Railway rolling stock	-	-	-	-	-	-
56	Passenger automobiles and chassis	-	-	-	-	432	-
57	Buses and chassis	-	-	-	-	-	-
58	Trucks, truck chassis and truck tractors, commercial	-	-	-	-	-	-
59	Military motor vehicles and trailers (exc. tanks)	-	-	-	-	-	-
60	Motor vehicle engines, accessories, parts and assemblies	-	-	-	7	79	37
61	Road motor vehicles, n.e.s.	-	-	-	-	-	-
62	Ships and boats; aircraft; and miscellaneous vehicles (incl. parts and accessories)	19	-	-	-	-	-
63	Rubber tires and tubes	-	-	-	-	17	-
64	Equipment	-	-	-	-	-	17
65	Personal and household goods	-	-	-	-	1	-
66	Firearms, weapons and ammunition	-	-	-	-	-	-
67	Containers and closures	-	-	-	-	-	-
68	Totals	259	-	-	7	589	54
69	Miscellaneous freight, n.e.s.	-	-	1	-	4	-
70	Domestic package freight	235,357	-	-	-	-	-
71	Grand totals - Downbound	9,816,575	58,277	472,582	16,872	482,467	80,778
							10,927,551

DOMINION BUREAU OF STATISTICS

SAULT STE. MARIE CANAL
TABLE 31. Location and Description

	From	To	Length of channel miles	Number	Locks		
					Minimum dimensions		
					Length	Width	Depth
Sault Ste. Marie Canal	St. Mary's Rapids	Sault Ste. Marie, Ont.	1.38	1	900	60	18.25

TABLE 32. Historical Summary, 1956-65

Country of registry	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Vessel transits										
Upbound:										
Canada	1,913	1,607	1,295	1,111	1,331	1,150	899	877	938	1,140
United States	700	138	105	233	113	121	137	111	88	134
United Kingdom ¹	1	—	6	13	40	50	8	6	9	42
Other	9	4	41	15	46	31	31	5	6	22
Totals	2,623	1,749	1,447	1,372	1,530	1,352	1,075	999	1,041	1,338
Downbound:										
Canada	1,655	1,186	1,033	914	1,055	882	782	844	769	972
United States	712	720	918	2,126	2,232	1,215	1,272	1,206	1,242	1,162
United Kingdom ¹	1	—	4	11	21	18	11	1	7	4
Other	9	4	40	5	17	6	10	—	3	8
Totals	2,377	1,910	1,995	3,056	3,325	2,121	2,075	2,051	2,021	2,146
Grand totals	5,000	3,659	3,442	4,428	4,855	3,473	3,150	3,050	3,062	3,484
Net registered tonnage										
Upbound:										
Canada	2,566,237	1,944,257	1,572,412	1,380,730	1,815,064	1,733,304	1,169,023	992,176	1,455,474	1,777,410
United States	372,726	332,883	109,314	132,294	116,627	156,698	177,559	96,768	72,521	226,218
United Kingdom ¹	727	—	3,756	10,857	90,719	140,819	23,182	20,357	47,397	183,778
Other	8,655	2,934	31,963	17,805	111,846	87,769	69,455	12,370	8,897	56,248
Totals	2,948,345	2,280,074	1,717,445	1,541,686	2,134,256	2,118,590	1,439,219	1,121,671	1,584,289	2,243,654
Downbound:										
Canada	1,807,982	1,097,372	819,918	811,597	1,035,640	890,089	884,201	878,812	915,561	1,290,188
United States	308,720	320,512	281,689	321,962	314,074	184,050	271,052	200,712	230,046	223,411
United Kingdom ¹	727	—	2,107	8,487	21,222	17,125	10,517	4,584	37,853	16,456
Other	8,685	2,934	31,001	4,040	20,059	10,363	14,556	—	3,098	11,213
Totals	2,126,114	1,420,818	1,134,715	1,146,086	1,390,995	1,101,627	1,180,326	1,084,108	1,186,558	1,541,268
Grand totals	5,074,459	3,700,892	2,852,160	2,687,772	3,525,251	3,220,217	2,619,545	2,205,779	2,770,847	3,784,922
Cargo tonnage										
Upbound:										
Canada	683,604	571,437	327,050	383,755	600,864	429,458	320,135	182,517	344,036	481,192
United States	67,797	52,642	12,537	47,507	114,753	25,774	28,355	18,068	44,517	44,262
United Kingdom ¹	—	—	—	185	6,794	9,981	3,858	129	—	5,409
Other	6,904	2,571	7,582	6,249	5,245	2,561	4,884	—	2,019	12,409
Totals	758,305	626,650	347,169	437,696	727,656	467,774	357,232	200,714	390,574	543,272
Downbound:										
Canada	2,204,837	1,151,155	821,218	770,182	963,511	655,884	722,480	589,883	530,951	840,059
United States	17,616	2,485	6,682	15,113	8,533	4,810	15,155	19,408	42,711	4,516
United Kingdom ¹	968	—	4,695	2,150	14,389	9,495	—	—	—	2,923
Other	7,552	4,410	48,897	7,553	6,533	2,987	12,254	—	2,401	16,137
Totals	2,230,973	1,158,050	881,492	794,998	992,966	673,176	749,889	609,291	576,063	863,637
Grand totals	2,989,278	1,784,700	1,228,661	1,232,694	1,720,622	1,140,950	1,107,121	810,005	966,637	1,406,909
Season of navigation										
First vessel passage	April 5	April 5	April 8	April 13	April 4	April 11	April 3	April 4	April 13	April 7
Last vessel passage	Dec. 12	Dec. 12	Dec. 11	Dec. 12	Dec. 12	Dec. 12	Dec. 12	Nov. 30	Dec. 12	Dec. 12

¹ Includes other British Commonwealth.

TABLE 33. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the Sault Ste. Marie Canal Section of the Seaway, by Kind of Vessel

Kind of vessel	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
	In ballast	With cargo	Total				
Upbound:							
Cargo	454	176	630	1,743,728	2,571,209	351,310	—
Passenger-cargo	315	45	360	204,039	306,609	35,527	22,542
Cargo-passenger	3	3	6	11,857	18,930	8,500	21
Scow, barge, etc.	1	—	1	135	135	—	—
Tug and scow	138	4	142	186,504	188,929	2,630	—
Tanker	7	44	51	81,265	126,574	145,305	—
Tug or dredge	125	—	125	10,317	12,760	—	—
Naval or Governments	23	—	23	5,809	15,314	—	—
Other	—	—	—	—	—	—	—
Totals	1,066	272	1,338	2,243,654	3,240,460	543,272	22,563
Downbound:							
Cargo	48	272	320	743,223	1,091,375	645,358	178
Passenger-cargo	1,325	71	1,396	319,103	468,817	108,433	135,072
Cargo-passenger	—	3	3	3,694	6,115	8,578	—
Scow, barge, etc.	1	—	1	135	135	—	—
Tug and scow	39	89	128	124,923	129,239	80,272	—
Tanker	150	6	156	333,861	521,949	18,996	—
Tug or dredge	117	2	119	11,277	13,384	2,000	—
Naval or Government	22	—	22	4,972	13,283	—	—
Other	1	—	1	80	80	—	—
Totals	1,703	443	2,146	1,541,268	2,244,377	863,637	135,250
Grand totals	2,769	715	3,484	3,784,922	5,484,837	1,406,909	157,813

TABLE 34. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the Sault Ste. Marie Canal Section of the Seaway, by Registry of Vessel

Country of registry	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
	In ballast	With cargo	Total				
Upbound:							
Canada	896	244	1,140	1,777,410	2,584,439	481,192	12,831
United States	113	21	134	226,218	287,350	44,262	9,722
United Kingdom	14	—	14	50,075	83,194	—	—
Other British Commonwealth	27	1	28	133,703	193,549	5,409	—
Denmark	1	—	1	4,013	4,845	—	—
Germany	4	5	9	18,561	29,651	12,082	3
Greece	3	—	3	7,167	13,322	—	—
Italy	1	—	1	4,367	7,196	—	—
Norway	2	1	3	5,605	10,039	327	7
Sweden	1	—	1	1,008	1,920	—	—
Panama	2	—	2	5,407	9,135	—	—
Liberia	2	—	2	10,120	15,820	—	—
Totals	1,066	272	1,338	2,243,654	3,240,460	543,272	22,563
Downbound:							
Canada	536	436	972	1,290,188	1,876,564	840,059	13,983
United States	1,161	1	1,162	223,411	323,580	4,518	121,267
United Kingdom	1	1	2	7,094	11,466	2,923	—
Other British Commonwealth	2	—	2	9,362	13,048	—	—
Germany	3	4	7	9,606	16,747	12,134	—
Liberia	—	1	1	1,607	2,972	4,003	—
Totals	1,703	443	2,146	1,541,268	2,244,377	863,637	135,250
Grand totals	2,769	715	3,484	3,784,922	5,484,837	1,406,909	157,813

TABLE 35. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the Sault Ste. Marie Canal Section of the Seaway, by Length of Vessel

Length of vessel	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
	In ballast	With cargo	Total				
Upbound:							
Under 80 feet	376	1	377	25,564	34,070	30	14,430
80 to 119 feet	79	8	87	9,153	10,632	1,200	—
120 " 159 "	20	—	20	7,943	9,641	—	—
160 " 199 "	1	1	2	1,268	2,182	—	—
200 " 239 "	96	3	99	119,500	129,119	2,600	—
240 " 279 "	89	60	149	187,609	287,956	153,313	—
280 " 319 "	45	7	52	104,253	160,822	20,650	—
320 " 359 "	143	51	194	449,350	669,250	47,736	8,123
360 " 399 "	19	46	65	172,316	252,475	89,024	—
400 " 439 "	38	20	58	183,632	263,880	39,731	7
440 " 479 "	76	73	149	540,054	816,670	180,077	3
480 " 519 "	24	1	25	109,107	154,543	2,240	—
520 " 559 "	48	1	49	260,566	348,486	6,536	—
560 " 599 "	12	—	12	73,339	100,734	—	—
Totals	1,066	272	1,338	2,243,654	3,240,460	543,272	22,563
Downbound:							
Under 80 feet	1,391	—	1,391	91,764	117,225	—	125,435
80 to 119 feet	83	—	83	8,862	10,232	—	—
120 " 159 "	18	2	20	8,445	11,151	888	—
160 " 199 "	1	2	3	1,497	2,671	3,012	—
200 " 239 "	13	89	102	122,008	132,780	81,384	—
240 " 279 "	71	97	168	216,600	331,818	262,829	—
280 " 319 "	3	36	39	80,605	124,695	85,839	—
320 " 359 "	46	93	139	337,122	493,743	216,784	9,815
360 " 399 "	10	44	54	143,488	212,971	66,998	—
400 " 439 "	50	8	58	185,354	277,175	12,773	—
440 " 479 "	11	69	80	303,581	470,505	119,809	—
480 " 519 "	3	3	6	25,657	36,685	13,321	—
520 " 559 "	3	—	3	16,285	22,528	—	—
Totals	1,703	443	2,146	1,541,268	2,244,377	863,637	135,250
Grand totals	2,769	715	3,484	3,784,922	5,484,837	1,406,909	157,813

TABLE 36. Number and Tonnage of Vessels Upbound Through the Sault Ste. Marie Canal Section of the Seaway, by Origin, by Registry of Vessel, and by Destination

Origin and country of registry	Destined to						Total		
	Canada			United States			Number of vessels	Net registered tonnage	Gross registered tonnage
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage			
Ports between Sault Ste. Marie and the Gulf of St. Lawrence									
Country of registry:									
Canada	1,130	1,761,428	2,562,167	9	13,378	18,937	1,139	1,774,806	2,581,104
United States	15	22,790	25,233	119	203,418	262,117	134	226,208	287,350
United Kingdom	11	40,764	66,824	—	—	—	11	40,764	66,824
Other British Commonwealth	19	86,224	127,463	9	47,479	66,086	28	133,703	193,549
Denmark	—	—	—	1	4,013	4,845	1	4,013	4,845
Germany	1	1,629	2,387	1	2,466	4,183	2	4,095	6,570
Norway	—	—	—	1	1,717	2,862	1	1,717	2,862
Sweden	—	—	—	1	1,008	1,920	1	1,008	1,920
Greece	—	—	—	1	1,374	3,607	1	1,374	3,607
Panama	—	—	—	1	2,715	4,500	1	2,715	4,500
Liberia	—	—	—	1	5,696	6,656	1	5,696	8,656
Totals	1,176	1,912,835	2,784,074	144	283,264	377,713	1,320	2,196,099	3,161,787
Ports other than between Sault Ste. Marie and the Gulf of St. Lawrence									
Country of registry:									
Canada	1	2,614	3,335	—	—	—	1	2,614	3,335
United Kingdom	2	6,382	11,226	1	2,929	5,144	3	9,311	16,370
Germany	—	—	—	7	14,466	23,081	7	14,466	23,081
Greece	1	2,715	4,500	1	3,078	5,215	2	5,793	9,715
Italy	—	—	—	1	4,367	7,196	1	4,367	7,196
Norway	1	2,449	4,429	1	1,439	2,748	2	3,888	7,177
Panama	—	—	—	1	2,692	4,635	1	2,692	4,635
Liberia	—	—	—	1	4,424	7,164	1	4,424	7,164
Totals	5	14,160	23,490	13	33,395	55,183	18	47,555	78,673
Grand totals — Upbound	1,181	1,926,995	2,807,564	157	316,659	432,896	1,338	2,243,654	3,240,460

TABLE 36 A. Number and Tonnage of Vessels Downbound Through the Sault Ste. Marie Canal Section of the Seaway, by Destination, by Registry of Vessel, and by Origin

Destination and country of registry	Originating in						Total		
	Canada			United States			Number of vessels	Net registered tonnage	Gross registered tonnage
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage			
Ports between Sault Ste. Marie and the Gulf of St. Lawrence									
Country of registry:									
Canada	953	1,271,789	1,849,965	18	16,249	23,241	971	1,288,038	1,873,206
United States	397	34,451	51,974	765	188,950	271,606	1,162	223,401	323,580
Other British Commonwealth	3	14,512	20,582	—	—	—	3	14,512	20,582
Germany	—	—	—	3	4,672	8,245	3	4,672	8,245
Totals	1,353	1,320,752	1,922,521	786	209,871	303,092	2,139	1,530,623	2,225,613
Ports other than between Sault Ste. Marie and the Gulf of St. Lawrence									
Country of registry:									
Canada	1	2,160	3,358	—	—	—	1	2,160	3,358
United States	1	1,944	3,932	—	—	—	1	1,944	3,932
Germany	1	976	1,840	3	3,958	6,662	4	4,934	8,502
Italy	1	1,607	2,972	—	—	—	1	1,607	2,972
Totals	4	6,687	12,102	3	3,958	6,662	7	10,645	18,764
Grand totals - Downbound	1,357	1,327,439	1,934,623	789	213,829	309,754	2,146	1,541,268	2,244,377

TABLE 37. Number and Tonnage of Vessels Through the Sault Ste. Marie Canal Section of the Seaway, by Registry of Vessel, and by Rig

Country of registry	Steam			Motor			Other			Total		
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Upbound:												
Canada	368	1,025,226	1,517,965	636	591,243	907,087	137	165,961	166,253	1,141	1,782,430	2,591,305
United States	43	169,771	221,382	85	35,769	45,157	6	20,678	20,811	134	226,218	287,350
United Kingdom	9	34,937	54,866	5	15,138	28,328	—	—	—	14	50,075	83,194
Other British Commonwealth	27	128,683	186,683	—	—	—	—	—	—	27	128,683	186,683
Denmark	—	—	—	1	4,013	4,845	—	—	—	1	4,013	4,845
Germany	2	4,071	6,771	7	14,490	22,880	—	—	—	9	18,561	29,651
Greece	2	4,089	8,107	1	3,078	5,215	—	—	—	3	7,167	13,322
Italy	—	—	—	1	4,367	7,196	—	—	—	1	4,367	7,196
Norway	—	—	—	3	5,605	10,039	—	—	—	3	5,605	10,039
Sweden	—	—	—	1	1,008	1,920	—	—	—	1	1,008	1,920
Panama	2	5,407	9,135	—	—	—	—	—	—	2	5,407	9,135
Liberia	1	5,696	8,656	1	4,424	7,164	—	—	—	2	10,120	15,820
Totals	454	1,377,860	2,013,565	741	679,135	1,039,831	143	186,639	187,064	1,338	2,243,654	3,240,460
Downbound:												
Canada	285	687,843	1,017,573	558	477,287	729,617	129	125,058	129,374	972	1,290,188	1,876,564
United States	52	124,511	193,708	1,110	98,900	129,872	—	—	—	1,162	223,411	323,580
United Kingdom	2	7,094	11,466	—	—	—	—	—	—	2	7,094	11,466
Other British Commonwealth	2	9,362	13,048	—	—	—	—	—	—	2	9,362	13,048
Germany	—	—	—	7	9,606	16,747	—	—	—	7	9,606	16,747
Liberia	—	—	—	1	1,607	2,972	—	—	—	1	1,607	2,972
Totals	341	828,810	1,235,795	1,676	587,400	879,208	129	125,058	129,374	2,146	1,541,268	2,244,377
Grand totals	795	2,206,690	3,249,360	2,417	1,266,535	1,919,039	272	311,697	316,438	3,484	3,784,922	5,484,837

TABLE 38. Number and Tonnage of Vessels Through the Sault Ste. Marie Canal Section of the Seaway,
by Kind and Length of Vessel

Kind and length of vessel	Upbound			Downbound			Total		
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Cargo:									
Under 80 feet	293	21,942	30,027	1,309	88,248	113,386	1,602	110,190	143,413
80 to 119 feet	17	1,394	1,666	15	1,230	1,470	32	2,624	3,136
120 " 159 "	—	—	—	1	214	411	1	214	411
160 " 199 "	2	1,268	2,182	3	1,497	2,671	5	2,765	4,853
240 " 279 "	115	147,426	221,654	99	130,148	186,554	214	277,574	408,208
280 " 319 "	50	101,031	155,759	37	77,383	119,632	87	178,414	275,391
320 " 359 "	174	399,019	606,985	109	261,504	388,548	283	660,523	995,533
360 " 399 "	59	151,375	228,107	47	125,726	184,541	106	277,101	412,648
400 " 439 "	56	178,184	255,016	18	61,451	82,722	74	239,635	337,738
440 " 479 "	145	518,252	794,868	72	276,677	426,961	217	794,929	1,221,829
480 " 519 "	24	105,828	151,264	6	25,657	36,885	30	131,485	188,149
520 " 559 "	49	260,566	348,486	2	10,784	14,926	51	271,350	363,412
560 " 599 "	11	60,600	82,816	1	5,501	7,600	12	66,101	90,416
680 " 699 "	1	12,739	17,918	—	—	—	1	12,739	17,918
Totals	996	1,959,624	2,896,748	1,719	1,066,020	1,566,307	2,715	3,025,644	4,463,055
Barge or scow:									
Under 80 feet	1	135	135	1	135	135	2	270	270
Totals	1	135	135	1	135	135	2	270	270
Tug and scow:									
Under 80 feet	1	130	130	—	—	—	1	130	130
80 to 119 feet	25	3,375	3,375	26	3,743	3,911	51	7,118	7,286
120 " 159 "	7	4,626	4,626	9	5,692	6,872	16	10,318	11,498
200 " 239 "	92	115,118	117,102	93	115,488	118,456	185	230,606	235,558
320 " 359 "	8	23,114	23,555	—	—	—	8	23,114	23,555
360 " 399 "	4	15,060	15,060	—	—	—	4	15,060	15,060
440 " 479 "	4	21,802	21,802	—	—	—	4	21,802	21,802
480 " 519 "	1	3,279	3,279	—	—	—	1	3,279	3,279
Totals	142	186,504	188,929	128	124,923	129,239	270	311,427	318,168
Tanker:									
240 to 279 feet	33	39,497	64,629	69	86,452	145,264	102	125,949	209,893
280 " 319 "	2	3,222	5,063	2	3,222	5,063	4	6,444	10,126
320 " 359 "	12	27,217	38,710	30	75,618	105,195	42	102,835	143,905
360 " 399 "	2	5,881	9,308	7	17,762	28,430	9	23,643	37,738
400 " 439 "	2	5,448	8,864	40	123,903	194,453	42	129,351	203,317
440 " 479 "	—	—	—	8	26,904	43,544	8	26,904	43,544
Totals	51	81,265	126,574	156	333,861	521,949	207	415,126	648,523
Tug or dredge:									
Under 80 feet	72	3,295	3,657	69	3,237	3,481	141	6,532	7,140
80 to 119 feet	44	4,249	5,456	41	3,754	4,716	85	8,003	10,172
120 " 159 "	9	2,773	3,647	7	2,148	2,847	16	4,921	6,494
200 " 239 "	—	—	—	2	2,138	2,340	2	2,138	2,340
Totals	125	10,317	12,760	119	11,277	13,384	244	21,594	26,144
Other:									
Under 80 feet	11	197	256	13	279	358	24	476	614
120 " 159 "	4	544	1,368	3	391	1,021	7	935	2,389
200 " 239 "	7	4,382	12,017	7	4,382	11,984	14	8,764	24,001
240 " 279 "	1	686	1,673	—	—	—	1	686	1,673
Totals	23	5,809	15,314	23	5,052	13,363	46	10,861	28,677
Grand totals	1,338	2,243,654	3,240,460	2,146	1,541,268	2,244,377	3,484	3,784,922	5,484,837

TABLE 39. Number and Tonnage of Vessels Through the Sault Ste. Marie Canal Section of the Seaway, by Kind and Draft of Vessel

Kind and draft of vessel	Upbound			Downbound			Total		
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Cargo:									
5 feet and under	238	21,059	29,844	210	15,540	22,050	448	36,599	51,894
6 to 7 feet	55	4,356	5,072	1,045	70,116	87,556	1,100	74,472	92,628
8 " 9 "	2	682	1,161	54	2,592	3,780	56	3,274	4,941
10 " 11 "	1	1,480	2,097	1	228	489	2	1,708	2,586
12 " 13 "	44	32,863	47,118	16	2,269	2,998	60	35,132	50,116
14 " 15 "	16	43,729	59,404	17	29,528	29,623	33	73,257	89,027
16 " 17 "	126	290,838	420,302	122	188,087	299,695	248	478,925	719,997
18 " 19 "	118	298,808	420,854	94	238,522	343,285	212	537,330	764,139
20 " 21 "	248	740,600	1,123,756	61	176,365	262,051	309	916,965	1,385,807
22 " 23 "	71	230,902	329,774	35	104,010	146,233	106	334,912	476,007
24 " 25 "	71	262,676	409,146	64	238,763	368,547	135	501,439	777,693
26 " 27 "	8	31,631	48,220	-	-	-	6	31,631	48,220
Totals	996	1,959,624	2,896,748	1,719	1,066,020	1,566,307	2,715	3,025,644	4,463,055
Barge or scow:									
5 feet and under	1	135	135	1	135	135	2	270	270
Totals	1	135	135	1	135	135	2	270	270
Tug and scow:									
5 feet and under	13	13,159	13,690	3	910	910	16	14,069	14,600
6 to 7 feet	32	36,996	37,641	6	3,126	3,395	38	40,122	41,036
8 " 9 "	31	14,855	15,158	31	16,083	17,159	62	30,938	32,317
10 " 11 "	43	54,787	55,292	82	97,100	100,071	125	151,887	155,363
12 " 13 "	8	12,267	12,267	6	7,704	7,704	14	19,971	19,971
16 " 17 "	2	6,425	6,558	-	-	-	2	6,425	6,558
18 " 19 "	10	31,749	32,057	-	-	-	10	31,749	32,057
20 " 21 "	3	16,266	16,266	-	-	-	3	16,266	16,266
Totals	142	186,504	188,929	128	124,923	129,239	270	311,427	318,168
Tanker:									
14 to 15 feet	11	14,403	20,998	12	15,955	22,699	23	30,358	43,697
16 " 17 "	21	32,230	50,309	21	30,849	48,029	42	63,079	98,338
18 " 19 "	9	10,654	18,528	34	42,340	72,935	43	52,994	91,463
20 " 21 "	6	12,165	18,764	35	94,496	146,860	41	106,681	165,624
22 " 23 "	3	8,409	12,873	46	134,147	205,238	49	142,556	218,111
24 " 25 "	-	-	-	6	9,306	15,984	6	9,306	15,984
26 " 27 "	-	-	-	1	3,384	5,102	1	3,384	5,102
28 " 29 "	1	3,384	5,102	1	3,384	5,102	2	6,768	10,204
Totals	51	81,265	126,574	156	333,861	521,949	207	415,126	648,523
Tug or dredge:									
6 feet and under	68	3,125	3,422	65	3,024	3,237	133	6,149	6,659
8 to 9 feet	5	403	434	6	483	514	11	886	948
10 " 11 "	44	4,377	5,794	43	6,224	7,560	87	10,601	13,354
12 " 13 "	2	455	626	-	-	-	2	455	626
14 " 15 "	6	1,957	2,484	5	1,546	2,073	11	3,503	4,557
Totals	125	10,317	12,760	119	11,277	13,384	244	21,594	26,144
Other:									
5 feet and under	10	117	176	10	117	174	20	234	350
6 to 7 feet	-	-	-	2	82	104	2	82	104
8 " 9 "	1	80	80	2	204	417	3	284	497
10 " 11 "	2	258	674	1	124	337	3	382	1,011
12 " 13 "	2	286	694	1	143	347	3	429	1,041
16 " 17 "	8	5,068	13,690	7	4,382	11,984	15	9,450	25,674
Totals	23	5,809	15,314	23	5,052	13,363	46	10,861	28,877
Grand totals	1,338	2,243,654	3,240,460	2,146	1,541,268	2,244,377	3,484	3,784,922	5,484,837

**TABLE 40. Cargo Tonnage Upbound Through the Sault Ste. Marie Canal Section of the Seaway,
by Origin and Destination**

Origin and country of registry	Destination								
	Canada			United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
tons									
Ports between Sault Ste. Marie and the Gulf of St. Lawrence:									
Canada	439,919	—	439,919	3,000	135	3,135	442,919	135	443,054
United States	41,237	3,510	44,747	43,062	—	43,062	84,299	3,510	87,809
Totals	481,156	3,510	484,666	46,062	135	46,197	527,218	3,645	530,863
Ports other than between Sault Ste. Marie and the Gulf of St. Lawrence:									
United Kingdom	—	54	54	—	1,135	1,135	—	1,189	1,189
Belgium	—	2,367	2,367	—	7,093	7,093	—	9,460	9,460
France	—	—	—	—	47	47	—	47	47
Italy	—	—	—	—	280	280	—	280	280
Netherlands	—	108	108	—	1,325	1,325	—	1,433	1,433
Totals	—	2,529	2,529	—	9,880	9,880	—	12,409	12,409
Grand totals — Upbound	481,156	6,039	487,195	46,062	10,015	56,077	527,218	16,054	543,272

**TABLE 40 A. Cargo Tonnage Downbound Through the Sault Ste. Marie Canal Section of the Seaway,
by Destination and Origin**

Destination and country of registry	Origin								
	Canada			United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
tons									
Ports between Sault Ste. Marie and the Gulf of St. Lawrence:									
Canada	534,660	2,934	537,594	10,480	—	10,480	545,140	2,934	548,074
United States	181,576	93,133	274,709	4,518	—	4,518	186,094	93,133	279,227
Totals	716,236	96,067	812,303	14,998	—	14,998	731,234	96,067	827,301
Ports other than between Sault Ste. Marie and the Gulf of St. Lawrence:									
Canadian Atlantic Ports	16,683	—	16,683	—	—	—	16,683	—	16,683
United States Atlantic Ports	—	3,516	3,516	—	—	—	—	3,516	3,516
Other British Commonwealth	—	—	—	—	406	406	—	406	406
Belgium	—	—	—	—	18	18	—	18	18
Germany	—	—	—	3,145	—	3,145	3,145	—	3,145
Italy	4,003	—	4,003	—	—	—	4,003	—	4,003
Netherlands	608	1	609	316	4,490	4,806	924	4,491	5,415
Central America and Caribbean	500	—	500	—	2,040	2,040	500	2,040	2,540
South America	—	—	—	—	610	610	—	610	610
Totals	21,794	3,517	25,311	3,461	7,564	11,025	25,255	11,061	36,336
Grand totals — Downbound	738,030	99,584	837,614	18,459	7,564	26,023	756,489	107,148	863,637

**TABLE 41. Cargo Tonnage Upbound Through the Sault Ste. Marie Canal Section of the Seaway,
by Origin, and by Registry of Vessel**

Origin	Country of registry	Cargo tonnage		
		Bulk	General	Total
Ports between Sault Ste. Marie and the Gulf of St. Lawrence	Canada	477,547	3,645	481,192
	United States	44,262	—	44,262
	Other British Commonwealth	5,409	—	5,409
	Totals	527,218	3,645	530,863
Ports other than between Sault Ste. Marie and the Gulf of St. Lawrence	Germany	—	12,082	12,082
	Norway	—	327	327
	Totals	—	12,409	12,409
Grand totals — Upbound		527,218	16,054	543,272

TABLE 41 A. Cargo Tonnage Downbound Through the Sault Ste. Marie Canal Section of the Seaway, by Destination, and by Registry of Vessel

Destination	Country of registry	Cargo tonnage		
		Bulk	General	Total
Ports between Sault Ste. Marie and the Gulf of St. Lawrence	Canada	726,716	96,067	822,783
	United States	4,518	—	4,518
	Totals	731,234	96,067	827,301
Ports other than between Sault Ste. Marie and the Gulf of St. Lawrence	Canada	13,760	3,516	17,276
	United States	2,923	—	2,923
	Germany	4,569	7,565	12,134
	Liberia	4,003	—	4,003
	Totals	25,255	11,081	36,336
	Grand totals — Downbound	756,489	107,148	863,637

TABLE 42 Number of Vessels and Cargo Tonnage Through the Sault Ste. Marie Canal Section of the Seaway by Kind, and Gross Tonnage of Vessel

Kind and gross tonnage of vessel	Upbound							Downbound						
	Number of vessels			Cargo tonnage			Average cargo tons per vessel	Number of vessels			Cargo tonnage			Average cargo tons per vessel
	In ballast	With cargo	Total	Bulk	General	Total		In ballast	With cargo	Total	Bulk	General	Total	
Cargo:														
Under 1,000 gross tons	302	8	310	1,200	—	1,200	150.0	1,326	—	1,326	—	—	—	—
1,000 to 1,999	50	15	65	13,121	5,779	18,900	1,260.0	6	55	61	123,600	4,244	127,844	2,324.4
2,000 " 2,999	61	22	83	50,280	6,821	57,101	2,595.5	14	52	66	147,278	14,999	162,277	3,120.7
3,000 " 3,999	163	69	232	59,244	3,212	62,456	905.2	6	141	147	233,252	65,835	299,087	2,121.2
4,000 " 4,999	92	36	128	74,166	141	74,307	2,064.1	12	27	39	46,342	6,002	52,344	1,938.7
5,000 " 5,999	25	46	71	112,107	100	112,207	2,439.3	4	47	51	73,220	10,305	83,525	1,777.1
6,000 " 6,999	31	28	59	69,165	1	69,166	2,470.2	2	24	26	31,529	5,763	37,292	1,553.8
7,000 " 7,999	45	—	45	—	—	—	—	3	—	3	—	—	—	—
8,000 " 9,999	2	—	2	—	—	—	—	—	—	—	—	—	—	—
17,000 " 20,000	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Totals	772	224	996	379,283	16,054	395,337	...	1,373	346	1,719	655,221	107,148	762,369	...
Barge or scow:														
Under 1,000 gross tons	1	—	1	—	—	—	—	1	—	1	—	—	—	—
Totals	1	—	1	—	—	—	—	1	—	1	—	—	—	—
Tug and scow:														
Under 1,000 gross tons	32	1	33	30	—	30	30.0	32	2	34	888	—	888	444.0
1,000 to 1,999	89	3	92	2,600	—	2,600	866.7	7	87	94	79,384	—	79,384	912.5
2,000 " 2,999	6	—	6	—	—	—	—	—	—	—	—	—	—	—
3,000 " 3,999	7	—	7	—	—	—	—	—	—	—	—	—	—	—
5,000 " 5,999	4	—	4	—	—	—	—	—	—	—	—	—	—	—
Totals	138	4	142	2,630	—	2,630	...	39	89	128	80,272	—	80,272	...
Tanker:														
1,000 to 1,999 gross tons	—	19	19	53,817	—	53,817	2,832.5	21	—	21	—	—	—	—
2,000 " 2,999	4	16	20	54,711	—	54,711	3,419.4	51	3	54	8,686	—	8,686	2,895.3
3,000 " 3,999	2	5	7	16,919	—	16,919	3,383.8	15	1	16	4,518	—	4,518	4,518.0
4,000 " 4,999	1	3	4	12,242	—	12,242	4,080.7	49	2	51	5,792	—	5,792	2,896.0
5,000 " 5,999	—	1	1	7,616	—	7,616	7,616.0	14	—	14	—	—	—	—
Totals	7	44	51	145,305	—	145,305	...	150	6	156	18,996	—	18,996	...
Other:														
Under 1,000 gross tons	140	—	140	—	—	—	—	133	—	133	—	—	—	—
1,000 to 1,999	8	—	8	—	—	—	—	7	2	9	2,000	—	2,000	1,000.0
Totals	148	—	148	—	—	—	...	140	2	142	2,000	—	2,000	...
Grand totals	1,066	272	1,338	527,218	16,054	543,272	...	1,703	443	2,146	756,489	107,148	863,637	...

TABLE 43. Cargo Tonnage Upbound Through the Sault Ste. Marie Canal Section of the Seaway,
by Commodity, and by Origin and Destination

Commodity	Canada to		United States to		United Kingdom to		Other Europe to		Total to		Grand total
	Canada	United States	Canada	United States	Canada	United States	Canada	United States	Canada	United States	
	tons										
Food, feed, beverages and tobacco:											
Fish, fresh, chilled or frozen	—	—	—	—	—	—	9	—	9	—	9
Fish canned	15	—	—	—	—	—	—	—	15	—	15
Milk powder	123	—	—	—	—	—	—	—	123	—	123
Cereals milled, n.e.s.	—	—	—	—	—	—	15	—	15	—	15
Fruit juices, unfermented, not concentrated, and fruit juice concentrated	83	—	—	—	—	25	—	—	83	25	108
Fruits and preparations, canned (exc. infants foods)	30	—	—	—	—	6	—	—	30	6	36
Sugar preparations (incl. confectionery)	—	—	—	—	4	—	—	—	4	—	4
Miscellaneous foods, food materials and food preparation, n.e.s.	317	—	—	—	—	—	—	—	317	—	317
Non-alcoholic beverages	—	—	—	—	—	1	—	—	—	1	1
Ale, beer, stout and porter	—	—	—	—	—	—	—	15	—	15	15
Wines	—	—	—	—	—	—	—	195	—	195	195
Distilled alcoholic beverages	911	—	—	—	—	1,022	—	12	911	1,034	1,945
Tobacco, n.e.s.	—	—	—	—	—	—	—	14	—	14	14
Totals	1,479	—	—	—	4	1,054	24	236	1,507	1,290	2,797
Crude materials, inedible:											
Crude vegetable products, inedible (except tobacco, fibres and wood), n.e.s.	—	—	—	—	2	—	—	—	2	—	2
Logs	800	3,000	—	—	—	—	—	—	800	3,000	3,800
Slags, drosses and other by-products	2,325	—	3,059	—	—	—	—	—	5,384	—	5,384
Coal, bituminous, sub-bituminous and lignite	—	—	22,495	—	—	—	—	—	22,495	—	22,495
Limestone	—	—	15,662	—	—	—	—	—	15,662	—	15,662
Salt	30,732	—	—	—	—	—	—	—	30,732	—	30,732
Cotton and textile rags and waste	—	—	—	—	—	11	—	—	—	11	11
Totals	33,857	3,000	41,216	—	2	11	—	—	75,075	3,011	78,086
Fabricated materials, inedible:											
Rubber fabricated materials	—	—	—	—	—	—	—	19	—	19	19
Paper	15	—	—	—	—	—	—	—	15	—	15
Wet machine board and converted paper	14	—	—	—	—	—	—	—	14	—	14
Cordage, twine and rope (exc. braided cords and threads)	1,201	—	—	—	—	—	—	640	1,201	640	1,841
Metallic salts and peroxy salts, of inorganic acids	64	—	—	—	—	—	—	20	84	—	84
Inorganic chemicals	61	—	—	—	—	—	—	—	61	—	61
Dyestuffs (exc. dyeing extracts); pigments, lakes and toners (exc. those in chemicals); and paints and related products	—	—	—	—	—	—	24	—	24	—	24
Chemical specialties, industrial, n.e.s.	20	—	—	—	—	—	6	—	26	—	26
Gasoline	36,412	—	1,000	—	—	—	—	—	36,412	1,000	37,412
Fuel oil	82,691	—	25,202	—	—	—	—	—	82,691	25,202	107,893
Ferro-alloys	3,801	—	—	—	—	—	—	—	3,801	—	3,801
Pig iron	1,400	—	—	—	—	—	—	—	1,400	—	1,400
Primary iron and steel, n.e.s.	174	—	—	—	—	—	—	—	174	—	174
Bars and rods, steel	—	—	—	—	—	—	773	676	773	676	1,449
Plate, sheet, and strip steel	47	—	3,212	—	—	—	266	805	3,525	805	4,330
Structural shapes and sheet piling	85	—	—	16,830	10	10	392	3,950	487	20,790	21,277
Pipes and tubes, iron and steel (exc. fittings and finished electrical conduit and tubing)	—	—	—	—	—	—	183	100	183	100	283
Wire	—	—	—	—	—	—	130	1,095	130	1,095	1,225
Aluminum (incl. alloys)	—	—	—	—	—	—	—	20	—	20	20
Copper and alloys	—	—	—	—	—	—	—	135	—	135	135
Non-ferrous metals, n.e.s.	—	—	21	—	—	—	—	—	21	—	21
Metal fabricated basic products	98	—	56	—	10	—	53	148	217	148	365
Glass basic products	—	—	—	—	—	—	596	491	596	491	1,087
Cement	13,903	—	—	—	—	—	—	—	13,903	—	13,903
Miscellaneous fabricated materials	—	—	—	—	—	—	—	23	—	23	23
Totals	139,986	—	3,289	43,032	20	10	2,443	8,102	145,738	51,144	196,882
End products, inedible:											
Tractors	—	—	—	—	—	—	—	256	—	256	256
Machinery, n.e.s.	—	135	—	30	26	58	—	77	26	300	326
Railway rolling stock	82	—	—	—	—	—	—	—	82	—	82
Passenger automobiles and chassis	—	—	—	—	—	—	—	1	—	1	1
Motor vehicle engines, accessories, parts and assemblies	—	—	—	—	—	—	—	32	—	32	32
Rubber tires and tubes	—	—	—	—	2	—	—	—	2	—	2
Equipment	10	—	—	—	—	—	—	1	—	11	11
Containers and closures	9	—	—	—	—	—	—	—	9	—	9
Totals	101	135	—	30	28	58	1	366	130	589	719
Miscellaneous freight, n.e.s.	1,921	—	242	—	—	2	7	41	2,170	43	2,213
Domestic package freight	262,575	—	—	—	—	—	—	—	262,575	—	262,575
Grand totals—Upbound	439,918	3,135	44,747	43,062	54	1,135	2,475	8,745	487,195	56,077	543,272

TABLE 43 A. Cargo Tonnage Downbound Through the Sault Ste. Marie Canal Section of the Seaway, by Commodity, and by Origin and Destination

Commodity	Canada to					United States to					Grand total
	Canada	United States	United Kingdom	Other Europe	Total	Canada	United States	United Kingdom	Other Europe	Total	
	tons										
Food, feed, beverages and tobacco:											
Milk powder	-	-	-	-	-	-	-	-	7,546	7,546	7,546
Dairy products, n.e.s.; eggs and honey	-	-	-	-	-	-	-	-	7	7	7
Barley	24,921	28,976	-	-	53,897	-	-	-	-	-	53,897
Oats	38,623	-	-	-	38,623	-	-	-	-	-	38,623
Rye	5,565	3,273	-	-	8,838	-	-	-	-	-	8,838
Wheat.....	62,720	-	-	4,003	66,723	6,000	-	-	3,145	9,145	75,868
Malt and malt flour.....	2,794	-	-	-	2,794	-	-	-	-	-	2,794
Wheat flour	2,023	-	-	500	2,523	-	-	-	-	-	2,523
Miscellaneous foods, food materials and food preparations, n.e.s.	-	-	-	-	-	-	-	-	11	11	11
Hulls, screenings, chaff and scourings	88,711	-	-	-	88,711	-	-	-	-	-	88,711
Brewers' and distillers' grains and solubles	900	-	-	-	900	-	-	-	-	-	900
Feeds of vegetables origin, n.e.s.	1,904	-	-	-	1,904	-	-	-	-	-	1,904
Totals	228,161	32,249	-	4,503	264,913	6,000	-	-	10,709	16,709	281,622
Crude materials, inedible:											
Seeds for sowing, n.e.s.	-	-	-	608	608	-	-	-	-	-	608
Pulpwood.....	6,002	27,020	-	-	33,022	-	-	-	-	-	33,022
Iron and steel scrap	-	-	-	-	-	4,480	-	-	-	4,480	4,480
Sand and gravel	82,272	-	-	-	82,272	-	-	-	-	-	82,272
Crude non-metallic minerals (except coal and petroleum), n.e.s.	-	-	-	-	-	-	-	-	316	316	316
Totals	88,274	27,020	-	608	115,902	4,480	-	-	316	4,796	120,698
Fabricated materials, inedible:											
Wood fabricated materials, n.e.s.	-	-	-	1	1	-	-	-	-	-	1
Pulp	-	101,261	-	-	101,261	-	-	-	-	-	101,261
Newsprint paper.....	-	65,670	-	-	65,670	-	-	-	-	-	65,670
Inorganic chemicals, n.e.s.	2,220	3,910	-	-	6,130	-	-	-	-	-	6,130
Organic chemicals, n.e.s.	3,572	-	-	-	3,572	-	-	-	-	-	3,572
Fertilizers and fertilizer materials, n.e.s.	-	4,000	-	-	4,000	-	-	-	-	-	4,000
Gasoline	-	-	-	-	-	-	4,518	-	-	4,518	4,518
Coal tar and coal pitch	5,392	-	-	-	5,392	-	-	-	-	-	5,392
Petroleum and coal products, n.e.s.	3,294	-	-	-	3,294	-	-	-	-	-	3,294
Ferro-alloys	478	-	-	-	478	-	-	-	-	-	478
Pig iron.....	3,307	-	-	-	3,307	-	-	-	-	-	3,307
Primary iron and steel, n.e.s.	6,677	2,035	-	-	8,712	-	-	-	-	-	8,712
Castings and forgings (exc. pipes and fittings)	5,922	-	-	-	5,922	-	-	-	-	-	5,922
Bars and rods, steel	1,623	58	-	-	1,681	-	-	-	-	-	1,681
Plate, sheet, and strip, steel	37,178	8,967	-	-	46,145	-	-	-	-	-	46,145
Structural shapes and sheet piling	24,998	-	-	-	24,998	-	-	-	-	-	24,998
Rails and railways track material	583	234	-	-	817	-	-	-	-	-	817
Metal fabricated basic products	10,161	-	-	-	10,161	-	-	-	-	-	10,161
Totals	105,405	186,135	-	1	291,541	-	4,518	-	-	4,518	296,059
Miscellaneous freight, n.e.s.	24,601	-	-	-	24,601	-	-	-	-	-	24,601
Domestic packaged freight	140,657	-	-	-	140,657	-	-	-	-	-	140,657
Grand totals - Downbound	587,098	245,404	-	5,112	837,614	10,480	4,518	-	11,025	26,023	863,637

LACHINE AND CORNWALL CANALS

TABLE 44. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the Lachine and Cornwall Canals, by Kind, and by Registry of Vessel

Kind and country of registry	Upbound							Downbound						
	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
	In ballast	With cargo	Total					In ballast	With cargo	Total				
Cargo:														
Canada.....	62	11	73	99,464	148,322	8,750	—	12	66	78	107,405	159,383	185,182	—
Totals	62	11	73	99,464	148,322	8,750	—	12	66	78	107,405	159,383	185,182	—
Scow or barge:														
Canada.....	—	—	—	—	—	—	—	4	—	4	759	1,055	—	—
Totals	—	—	—	—	—	—	—	4	—	4	759	1,055	—	—
Tug or dredge:														
Canada.....	7	—	7	1,418	2,259	—	—	10	—	10	2,123	3,061	—	—
Totals	7	—	7	1,418	2,259	—	—	10	—	10	2,123	3,061	—	—
Other:														
Canada.....	27	—	27	7,209	12,079	—	—	52	3	55	8,824	12,727	235	—
Totals	27	—	27	7,209	12,079	—	—	52	3	55	8,824	12,727	235	—
Grand totals	96	11	107	108,091	162,660	8,750	—	78	69	147	119,111	176,226	185,417	—
Non-toll traffic included.....	30	—	30	7,325	11,906	—	—	30	3	33	7,245	10,722	235	—

TABLE 45. Number and Tonnage of Vessels Through the Lachine and Cornwall Canals, by Origin and Destination, by Registry of Vessel, and by Rig

Origin and destination and country of registry	Steam			Motor			Other			Total		
	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Upbound												
Canada to Canada:												
Canada.....	15	16,306	24,627	30	8,107	12,272	9	3,296	3,977	54	27,709	40,876
Canada to United States:												
Canada.....	16	21,834	35,494	37	58,748	86,290	—	—	—	53	80,382	121,784
Totals	31	37,940	60,121	67	66,855	98,562	9	3,296	3,977	107	108,091	162,660
Downbound												
Canada to Canada:												
Canada.....	19	20,639	30,317	55	16,225	23,116	22	5,506	5,802	96	42,370	59,235
United States to Canada:												
Canada.....	15	19,907	33,196	36	56,834	83,795	—	—	—	51	76,741	116,991
Totals	34	40,546	63,513	91	73,059	106,911	22	5,506	5,802	147	119,111	176,226
Grand totals	65	78,486	123,634	158	139,914	205,473	31	8,802	9,779	254	227,202	338,886

TABLE 46. Cargo Tonnage Through the Lachine and Cornwall Canals, by Commodity, and by Origin and Destination

Commodity	Canada to Canada		United States to Canada		Canada to other		Total	
	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound
	tons							
Barley.....	—	3,913	—	—	—	—	—	3,913
Corn.....	—	2,796	—	4,758	—	—	—	7,554
Oats.....	—	1,397	—	—	—	—	—	1,397
Wheat.....	—	29,384	—	—	—	—	—	29,384
Coal, bituminous, sub-bituminous and lignite.....	2,532	5,915	—	135,244	—	—	2,532	141,159
Lumber and timber.....	2,878	—	—	—	—	—	2,878	—
Ferro-alloys.....	—	—	—	—	3,340	—	3,340	—
Machinery, n.e.s.....	—	475	—	—	—	—	—	475
Domestic package freight.....	—	1,535	—	—	—	—	—	1,535
Totals ¹	5,410	45,415	—	140,002	3,340	—	8,750	185,417
Non-toll traffic included in above.....	—	235	—	—	—	—	—	235

¹ Cornwall cargo nil.

TABLE 47. Cargo Tonnage Through the St. Lawrence and/or Welland Canals, Loaded and Unloaded at Specified Canadian Ports

Port	Loaded			Unloaded			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
	tons								
Fort William-Port Arthur	9,178,075	12,506	9,190,581	405,491	17,000	422,491	9,583,566	29,506	9,613,072
Other Canadian Lake Superior ports ...	139,888	3,134	143,022	91,105	793	91,898	230,993	3,927	234,920
Canadian Lake Huron ports	270,021	2,653	272,674	14,437	—	14,437	284,458	2,653	287,111
Midland	44,994	—	44,994	9,428	—	9,428	54,422	—	54,422
Other Georgian Bay ports	79,245	—	79,245	31,111	—	31,111	110,356	—	110,356
Sarnia	388,179	47,462	435,641	190,444	2,586	193,030	578,623	50,048	628,671
Windsor	183,886	13,406	197,292	107,836	2,652	110,488	291,722	16,058	307,780
Canadian St. Clair Lake and River and Detroit River ports	253,238	—	253,238	908	—	908	254,146	—	254,146
Port Colborne	984,702	224	984,926	195,507	—	195,507	1,180,209	224	1,180,433
Canadian Lake Erie ports	21,374	118	21,492	166,972	102	167,074	188,346	220	188,566
Thorold	53,798	113,204	167,002	473,264	6,739	480,003	527,062	119,943	647,005
Port Weller	—	—	—	85,740	—	85,740	85,740	—	85,740
Other Canadian Welland Canal ports ...	316,021	4,868	320,889	489,665	23,838	513,503	805,686	28,706	834,392
Hamilton	649,911	79,182	729,093	9,013,081	312,793	9,325,874	9,662,992	391,975	10,054,967
Port Credit	7,778	—	7,778	34,779	—	34,779	42,557	—	42,557
Toronto	357,331	88,051	445,382	5,636,356	471,827	6,108,183	5,993,687	559,878	6,553,565
Picton	502,356	—	502,356	44,274	—	44,274	546,630	—	546,630
Kingston	210,878	—	210,878	302,982	—	302,982	513,860	—	513,860
Prescott	374,783	—	374,783	551,237	550	551,787	926,020	550	926,570
Cornwall	—	—	—	117,855	349	118,204	117,855	349	118,204
Other Canadian Lake Ontario ports and St. Lawrence River to Iroquois	523,329	744	524,073	806,173	9,445	815,618	1,329,502	10,189	1,339,691
Canadian St. Lawrence Canal ports	11,127	—	11,127	58,357	—	58,357	69,484	—	69,484
Lachine Canal	27,038	—	27,038	460,771	28	460,799	487,809	28	487,837
Montreal	1,894,165	47,583	1,941,748	4,939,670	2,855	4,942,525	6,833,835	50,438	6,884,273
Contrecoeur	467,610	—	467,610	10,456	—	10,456	478,066	—	478,066
Sorel	221,130	—	221,130	921,364	—	921,364	1,142,494	—	1,142,494
Three Rivers	35,593	63,942	99,535	1,549,352	—	1,549,352	1,584,945	63,942	1,648,887
Sept Iles	6,029,743	—	6,029,743	77,367	—	77,367	6,107,110	—	6,107,110
Other Canadian St. Lawrence River ports east of Montreal	6,563,486	249,137	6,812,623	5,133,818	128	5,133,946	11,697,304	249,265	11,946,569
Halifax	15,022	—	15,022	212,032	—	212,032	227,054	—	227,054
Other Canadian Atlantic Coast and Gulf of St. Lawrence ports	605,178	104,394	709,572	39,524	59	39,583	644,702	104,453	749,155
Totals	30,409,879	830,608	31,240,487	32,171,356	851,744	33,023,100	62,581,235	1,682,352	64,263,587

TABLE 47A. Cargo Tonnage Through the St. Lawrence and/or Welland Canals, Loaded and Unloaded at Specified United States Ports

Port	Loaded			Unloaded			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
	tons								
Duluth	2,711,281	114,708	2,825,989	4,216	42,064	46,280	2,715,497	156,772	2,872,269
Superior	1,327,204	12,154	1,339,358	—	694	694	1,327,204	12,848	1,340,052
Other United States Lake Superior ports	3,295,892	—	3,295,892	—	934	934	3,295,892	934	3,296,826
Chicago	3,436,359	199,990	3,636,349	545,014	1,248,353	1,793,367	3,981,373	1,448,343	5,429,716
Milwaukee	508,809	101,900	610,709	17,331	155,406	172,737	526,140	257,306	783,446
Other United States Lake Michigan ports	286,643	71,446	358,089	3,240,672	25,119	3,265,791	3,527,315	96,565	3,623,880
United States Lake Huron ports	347,880	43,731	391,611	75,431	3,944	79,375	423,311	47,675	470,986
Detroit	320,043	93,079	413,122	2,073,114	1,443,960	3,517,074	2,393,157	1,537,039	3,930,196
Other United States St. Clair Lake and River and Detroit River ports	47,767	2,788	50,555	306,316	2,225	308,541	354,083	5,013	359,096
Ashtabula	3,273,020	7,668	3,280,688	1,351,436	52,785	1,404,221	4,624,456	60,453	4,684,909
Buffalo	165,965	3,171	169,136	1,132,953	41,812	1,174,765	1,298,918	44,983	1,343,901
Cleveland	157,907	54,153	212,060	3,577,200	530,201	4,107,401	3,735,107	584,354	4,319,461
Conneaut	2,788,064	—	2,788,064	1,070,229	—	1,070,229	3,858,293	—	3,858,293
Erie	414	3,107	3,521	50,826	11,483	62,309	51,240	14,590	65,830
Lackawanna	—	—	—	252,243	—	252,243	252,243	—	252,243
Lorain	16,300	—	16,300	110,368	—	110,368	126,668	—	126,668
Sandusky	102,730	—	102,730	—	—	—	102,730	—	102,730
Toledo	2,898,105	32,675	2,930,780	306,021	257,940	563,961	3,204,126	290,615	3,494,741
Other United States Lake Erie ports	89,331	—	89,331	440,165	1,447	441,612	529,496	1,447	530,943
Oswego	14,264	2,917	17,181	172,135	3,971	176,106	186,399	6,888	193,287
Rochester	48,869	4,681	53,550	23,532	17,090	40,622	72,401	21,771	94,172
Other United States Lake Ontario and St. Lawrence River to Ogdensburg United States St. Lawrence Canal ports	65,368	5,280	70,648	203,711	—	203,711	269,079	5,280	274,359
United States Atlantic and Gulf of Mexico ports	2,908	—	2,908	154,746	393	155,139	157,654	393	158,047
United States Hudson River ports	368,891	11,355	380,246	197,875	7,048	204,923	566,766	18,403	585,169
.....	18,869	—	18,869	39,232	—	39,232	58,101	—	58,101
Totals	22,292,883	764,803	23,057,686	15,344,766	3,846,869	19,191,635	37,637,649	4,611,672	42,249,321
Grand totals	52,702,762	1,595,411	54,298,173	47,516,122	4,698,613	52,214,735	100,218,884	6,294,024	106,512,908

TABLE 48. Cargo Tonnage Through the Canadian Sault Ste. Marie Canal Only, Loaded and Unloaded at Specified Canadian and United States Ports

Port	Loaded			Unloaded			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
tons									
In Canada:									
Fort William-Port Arthur.....	218,523	84,983	303,506	146,920	242	147,162	365,443	85,225	450,668
Other Canadian Lake Superior ports	266,485	11,084	277,569	90,114	3,268	93,382	356,599	14,352	370,951
Canadian Lake Huron ports	41,810	—	41,810	104,843	—	104,843	146,653	—	146,653
Other Georgian Bay ports	3,158	—	3,158	88,621	2,934	91,555	91,779	2,934	94,713
Sarnia	98,734	—	98,734	9,295	—	9,295	108,029	—	108,029
Windsor	40,363	—	40,363	66,889	—	66,889	107,252	—	107,252
Other Canadian St. Clair Lake and River and Detroit River ports	10,026	—	10,026	5,806	—	5,806	15,832	—	15,832
Port Colborne	3,971	—	3,971	37,393	—	37,393	41,364	—	41,364
Totals.....	683,070	96,067	779,137	549,881	6,444	556,325	1,232,951	102,511	1,335,462
In United States:									
Duluth	2,240	—	2,240	6,536	327	6,863	8,776	327	9,103
Superior	4,518	—	4,518	12,605	—	12,605	17,123	—	17,123
Other United States Lake Superior ports	—	—	—	26,921	—	26,921	26,921	—	26,921
Chicago	24,517	—	24,517	3,929	28,700	32,629	28,446	28,700	57,146
Milwaukee	—	—	—	30,495	31,279	61,774	30,495	31,279	61,774
Other United States Lake Michigan ports	18,873	—	18,873	103,236	—	103,236	122,109	—	122,109
United States Lake Huron ports	15,281	14	15,295	2,865	6,344	9,209	18,146	6,358	24,504
Detroit	21	81	102	3,517	11,084	14,601	3,538	11,165	14,703
Ashtabula	—	128	128	—	—	—	—	128	128
Buffalo	6,536	3,187	9,723	—	—	—	6,536	3,187	9,723
Cleveland	—	19	19	1,268	8,253	9,521	1,268	8,272	9,540
Toledo	19,071	81	19,152	2,048	7,473	9,521	21,119	7,554	28,673
United States Lake Erie ports	—	—	—	30,826	—	30,826	30,826	—	30,826
Totals.....	91,057	3,510	94,567	224,246	93,460	317,706	315,303	96,970	412,273
Grand totals.....	774,127	99,577	873,704	774,127	99,904	874,031	1,548,254	199,481	1,747,735

TABLE 49. Vessel Transits, Number of Passengers, and Cargo Tonnage by Commodity, Through the Canadian and United States Sault Ste. Marie Canals¹

	Upbound			Downbound			Grand total 1965	Grand total 1964
	Canadian canal	United States Canal ²	Total	Canadian canal	United States Canal ²	Total		
Number								
Vessel transits	1,338	7,343	8,681	2,146	6,649	8,795	17,476	17,374
Passengers	22,563	125,323	147,886	135,250	24,481	159,731	307,817	269,102
Cargo tonnage								
Paper and woodpulp	15	—	15	166,931	79,960	246,891	246,906	296,167
Pulpwood, lumber and logs	3,800	—	3,800	33,022	62,664	95,686	99,486	156,491
Wheat	—	—	—	75,868	11,147,474	11,223,342	11,223,342	12,226,493
Barley	—	—	—	53,897	1,928,031	1,981,928	1,981,928	1,882,577
Oats	—	—	—	38,623	1,181,796	1,220,419	1,220,419	688,759
Corn	—	11,575	11,575	—	876,506	876,506	888,081	904,413
Rye	—	—	—	8,838	155,330	164,168	164,168	226,363
Flaxseed	—	—	—	—	402,897	402,897	402,897	487,719
Soya beans	—	27,117	27,117	—	555,169	555,169	582,286	..
Flour	—	—	—	2,523	41,720	44,243	44,243	85,872
Mill products, screenings	—	16,344	16,344	88,711	431,947	520,658	537,002	817,672
Iron ore	—	80,285	80,285	—	64,949,304	64,949,304	65,029,589	64,695,532
Manufactured iron and steel.....	27,056	177,673	204,729	72,824	274,031	346,855	551,584	469,640
Pig iron	1,400	—	1,400	3,307	35,550	38,857	40,257	101,439
Scrap iron	—	—	—	4,480	49,918	54,398	54,398	211,603
Sand, gravel and stone	—	1,539,726	1,539,726	82,272	3,000	85,272	1,624,938	1,673,374
Fuel oil	107,893	588,759	696,652	—	23,215	23,215	719,867	557,920
Other petroleum products	—	2,090	2,090	3,294	—	3,294	5,384	6,913
Gasoline	37,412	175,478	212,890	4,518	48,413	52,931	265,821	302,242
Cement	13,903	258,883	272,786	—	—	—	272,786	360,331
Coal bituminous	22,495	7,925,894	7,948,389	—	—	—	7,948,389	7,308,275
Coal anthracite	—	47,634	47,634	—	—	—	47,634	88,151
Coke	—	22,910	22,910	—	—	—	22,910	10,940
Salt	30,732	—	30,732	—	—	—	30,732	14,485
Autos, trucks and parts	1	112	113	—	—	—	113	3,461
Other	298,565	540,988	839,553	224,529	523,948	748,477	1,588,030	1,286,834
Totals.....	543,272	11,415,468	11,958,740	863,637	82,770,873	83,634,510	95,593,250	94,883,666

¹ Data on United States traffic obtained from United States Corps of Engineers' preliminary "Statistical Report of Lake Commerce" for Sault Ste. Marie Canal for the season of navigation.

² Sault Ste. Marie, U.S. locks are: (1) Poe Lock—Length, 1,200 ft., width 110 ft., depth 32.0 ft.
 (2) Davis Lock—Length 1,350 ft., width 80 ft., depth 23.1 ft.
 (3) Sabin Lock—Length 1,350 ft., width 80 ft., depth 23.1 ft.
 (4) MacArthur Lock—Length 800 ft., width 80 ft., depth 31.0 ft.

TABLE 50. Cargo Tonnage Carried in Interlake Traffic, by Origin and Destination¹

Origin	Destination						Other than the Great Lakes and the St. Lawrence River ⁴	Totals
	Lake Superior	Lake Michigan	Lake Huron	Lake Erie ²	Lake Ontario ³	St. Lawrence River		
	tons							
Lake Superior .....	..	19,310,032	2,222,339	45,082,052	5,174,422	7,793,886	3,785,769	83,368,500
Lake Michigan	1,351,804	...	..	..	646,165	7,822,850	2,080,837	5,901,656
Lake Huron	2,366,703	..	..	..	214,950	449,972	117,256	3,148,881
Lake Erie ²	7,583,219	..	..	..	7,578,585	1,920,643	1,471,466	18,553,913
Lake Ontario ³	402,693	113,159	51,936	1,006,281	—	1,193,066	562,328	3,329,463
St. Lawrence River	96,945	3,706,955	78,468	8,957,456	2,586,546	—	—	15,426,370
Other than the Great Lakes and the St. Lawrence River ⁴	65,993	1,409,889	3,944	2,612,482	2,406,298	57,522	...	6,556,128
Totals	11,867,357	24,540,035	2,356,687	57,658,271	18,606,966	13,237,939	8,017,656	136,284,911

¹ "Way" traffic on the St. Lawrence and Welland Ship Canals which originates and terminates within the same canal is excluded from this table.

² Canadian data includes Canadian and United States Detroit River ports and Lake St. Clair and St. Clair River ports.

³ Canadian data includes Welland Ship Canal ports and St. Lawrence River ports to Iroquois.

⁴ Includes traffic using Lachine Canal only but excludes traffic moving via the New York State Barge Canal.

⁵ Data obtained from United States Corps of Engineers' preliminary report of "Interlake Traffic".

TABLE 51. Cargo Tonnage Through Canadian Canal Networks, Excluding Duplications, by Selected Commodity¹

Canal network	Corn	Wheat	Iron ore	Iron and steel scrap	Bituminous coal	Newsprint	Fuel oil	Other	1965 total	1964 total
	tons									
Upbound:										
St. Lawrence and Ottawa	—	—	—	—	—	—	—	4,264	4,264	—
St. Lawrence only	—	—	1,049,942	—	481,006	11,705	1,613,821	1,708,776	4,865,250	2,956,875
St. Lawrence and Welland	—	—	11,725,813	23	—	408,338	304,168	4,806,402	17,244,744	15,594,530
St. Lawrence, Welland and Sault Ste. Marie ²	—	—	—	—	—	—	5,803	54,666	60,469	24,203
Welland only	—	3,720	483,840	3,000	34,741	113,159	373,800	1,465,741	2,478,001	2,895,886
Welland and Sault Ste. Marie ²	—	—	—	—	—	—	6,950	187,714	194,664	41,996
Sault Ste. Marie only ²	—	—	—	—	22,495	—	95,140	169,298	286,933	324,375
Totals	—	3,720	13,259,595	3,023	538,242	533,202	2,399,682	8,396,861	25,134,325	21,837,865
Downbound:										
St. Lawrence only	11,120	683,449	—	18,244	110,785	955	2,249	859,109	1,685,911	1,522,515
St. Lawrence and Welland	3,747,717	7,908,491	—	87,922	451,964	8,029	67,456	7,081,724	19,353,303	19,221,747
St. Lawrence, Welland and Sault Ste. Marie ²	—	49,748	—	—	—	3,516	—	111,458	164,722	31,318
Welland only	218,478	814,499	3,914,252	45,216	6,698,857	—	337,340	1,811,193	13,839,835	13,574,151
Welland and Sault Ste. Marie ²	—	12,606	—	2,240	—	—	—	92,051	106,897	32,398
Sault Ste. Marie only ²	—	12,499	—	2,240	—	62,154	—	510,205	587,098	509,203
Totals	3,977,315	9,481,292	3,914,252	153,862	7,261,606	74,654	407,045	10,465,740	35,737,766	34,891,332

¹ Includes traffic using the Lachine Canal.

² Traffic through the United States locks at Sault Ste. Marie is not considered in eliminating duplications.

TABLE 52. Passengers Through the Three Sections of the St. Lawrence Seaway Canals, by Origin and Destination

	Upbound									
	Canada to		United States to		Other to		Total to			
	Canada	United States	Canada	United States	Canada	United States	Canada	United States		
	number									
St. Lawrence section	12	432	—	3,040	284	182	296	3,654		
Welland section	9	432	—	—	—	178	9	610		
Sault Ste. Marie section	12,905	—	367	9,253	—	3	13,272	9,256		
Totals	12,926	864	367	12,293	284	363	13,577	13,520		
	Downbound									
	Canada to			United States to			Total to			
	Canada	United States	Other countries	Canada	United States	Other countries	Canada	United States	Other countries	
	number									
St. Lawrence section	46	—	—	447	3,705	—	493	3,705	—	
Welland section	46	—	—	448	2	—	494	2	—	
Sault Ste. Marie section	60,537	357	—	30	74,267	—	60,567	74,624	—	
Totals	60,629	357	—	925	77,974	—	61,554	78,331	—	

TABLE 53. Freight Charges on the Great Lakes for Wheat, 1965 and 1964

	1965			1964		
	Average charge per bushel ¹	Average charge per ton	Average charge per ton-mile	Average charge per bushel ¹	Average charge per ton	Average charge per ton-mile
	cents	\$	cents	cents	\$	cents
Fort William - Port Arthur to:						
Montreal:						
April	10.41	3.47	0.283	10.82	3.61	0.294
May	10.38	3.46	0.282	10.89	3.63	0.296
June	10.29	3.43	0.279	11.54	3.85	0.314
July	10.10	3.36	0.274	10.88	3.63	0.296
August	10.31	3.44	0.280	11.05	3.68	0.300
September	10.59	3.53	0.287	10.79	3.60	0.293
October	10.33	3.44	0.280	10.93	3.64	0.296
November	10.51	3.50	0.285	11.21	3.74	0.305
December	11.05	3.68	0.300	10.62	3.54	0.288
Averages	10.41	3.47	0.283	11.02	3.67	0.299
Winter storage	14.84	4.94	0.402	15.10	5.03	0.410
Goderich and Georgian Bay ports:						
April	4.50	1.50	0.279	4.50	1.50	0.279
May	4.51	1.50	0.279	4.55	1.52	0.283
June	4.55	1.52	0.283	4.55	1.52	0.283
July	4.52	1.51	0.281	4.52	1.51	0.281
August	4.51	1.50	0.281	4.52	1.51	0.281
September	4.55	1.52	0.283	4.52	1.51	0.281
October	4.54	1.51	0.281	4.52	1.51	0.281
November	4.57	1.52	0.283	4.58	1.53	0.284
December	5.31	1.77	0.329	5.05	1.68	0.312
Averages	4.59	1.53	0.284	4.55	1.52	0.283
Winter storage	9.50	3.16	0.587	9.39	3.13	0.582
Port Colborne:						
April	5.50	1.83	0.216	5.50	1.83	0.216
May	5.50	1.83	0.216	5.50	1.83	0.216
June	5.53	1.84	0.217	5.57	1.86	0.219
July	5.53	1.84	0.217	5.50	1.83	0.216
August	5.50	1.83	0.216	5.50	1.83	0.216
September	5.50	1.83	0.216	5.87	1.96	0.231
October	5.53	1.84	0.217	5.82	1.94	0.229
November	5.50	1.83	0.216	5.80	1.93	0.228
December	6.26	2.08	0.245	6.04	2.01	0.287
Averages	5.58	1.86	0.219	5.65	1.88	0.222
Winter storage	10.43	3.47	0.409	10.50	3.50	0.413
Buffalo:						
April	—	—	—	—	—	—
May	—	—	—	—	—	—
June	—	—	—	9.07	3.02	0.350
July	—	—	—	—	—	—
August	—	—	—	—	—	—
September	—	—	—	—	—	—
October	—	—	—	—	—	—
November	—	—	—	—	—	—
December	—	—	—	—	—	—
Averages	—	—	—	9.07	3.02	0.350
Winter storage	—	—	—	—	—	—
Port Colborne to:						
Montreal:						
April	7.00	2.33	0.613	7.00	2.33	0.613
May	7.00	2.33	0.613	7.00	2.33	0.613
June	7.00	2.33	0.613	7.00	2.33	0.613
July	7.00	2.33	0.613	7.00	2.33	0.613
August	7.00	2.33	0.613	7.00	2.33	0.613
September	7.00	2.33	0.613	7.00	2.33	0.613
October	7.00	2.33	0.613	7.00	2.33	0.613
November	7.00	2.33	0.613	7.00	2.33	0.613
December	—	2.33	0.613	—	—	—
Averages	7.00	2.33	0.613	7.00	2.33	0.613

¹ Freight charges from Fort Williams - Port Arthur provided by Board of Grain Commissioners for Canada.

TABLE 54. Freight Charges on the Great Lakes for Barley and Oats, 1965

	Barley			Oats		
	Average charge per bushel ¹	Average charge per ton	Average charge per ton-mile	Average charge per bushel ¹	Average charge per ton	Average charge per ton-mile
	cents	\$	cents	cents	\$	cents
Fort William - Port Arthur to:						
Montreal:						
April	10.85	4.52	0.368	9.85	5.79	0.471
May	10.56	4.40	0.358	9.37	5.51	0.449
June	11.25	4.69	0.382	9.60	5.65	0.460
July	10.68	4.45	0.362	9.59	5.64	0.459
August	9.83	4.10	0.334	9.15	5.38	0.438
September	10.28	4.28	0.349	10.22	6.00	0.480
October	10.90	4.54	0.370	9.71	5.71	0.465
November	10.18	4.25	0.346	9.63	5.66	0.461
December	—	—	—	9.25	5.44	0.443
Averages	10.31	4.30	0.350	9.59	5.64	0.459
Goderich and Georgian Bay ports:						
April	4.75	1.98	0.368	4.24	2.50	0.464
May	4.75	1.98	0.368	4.46	2.62	0.487
June	4.65	1.94	0.361	4.43	2.60	0.483
July	4.60	1.92	0.357	4.36	2.56	0.476
August	4.69	1.95	0.362	4.49	2.64	0.491
September	4.71	1.96	0.364	4.48	2.63	0.489
October	4.62	1.93	0.359	4.37	2.57	0.478
November	4.71	1.96	0.364	4.45	2.62	0.487
December	4.75	1.98	0.368	5.16	3.04	0.565
Averages	4.68	1.95	0.362	4.44	2.61	0.485
Port Colborne:						
April	—	—	—	—	—	—
May	—	—	—	5.75	3.38	0.399
June	—	—	—	6.00	3.53	0.416
July	6.25	2.60	0.307	6.00	3.53	0.418
August	—	—	—	—	—	—
September	—	—	—	—	—	—
October	6.25	2.60	0.307	6.00	3.53	0.418
November	—	—	—	—	—	—
December	6.25	2.60	0.307	—	—	—
Averages	6.25	2.60	0.307	5.96	3.50	0.413
Buffalo:						
April	—	—	—	—	—	—
May	8.50	3.54	0.411	—	—	—
June	8.50	3.54	0.411	—	—	—
July	8.16	3.40	0.394	—	—	—
August	—	—	—	—	—	—
September	8.50	3.54	0.411	—	—	—
October	—	—	—	—	—	—
November	—	—	—	—	—	—
December	8.50	3.54	0.411	—	—	—
Averages	8.36	3.49	0.405	—	—	—
Port Colborne to:						
Montreal:						
April	—	—	—	—	—	—
May	—	—	—	—	—	—
June	—	—	—	—	—	—
July	—	—	—	—	—	—
August	—	—	—	—	—	—
September	—	—	—	—	—	—
October	—	—	—	—	—	—
November	—	—	—	—	—	—
December	—	—	—	—	—	—
Averages	—	—	—	—	—	—

¹ Freight charges from Fort William-Port Arthur provided by Board of Grain Commissioners for Canada.

TABLE 55. Freight Charges on the Great Lakes for Flax and Rye, 1965

	Flax			Rye		
	Average charge per bushel ¹ cents	Average charge per ton \$	Average charge per ton-mile cents	Average charge per bushel ¹ cents	Average charge per ton \$	Average charge per ton-mile cents
Fort Williams - Port Arthur to:						
Montreal:						
April	11.00	3.93	0.320	13.00	4.64	0.378
May	11.50	4.11	0.335	13.00	4.64	0.378
June	11.00	3.93	0.320	11.50	4.11	0.334
July	11.00	3.93	0.320	—	—	—
August	13.00	4.64	0.378	11.50	4.11	0.334
September	13.00	4.64	0.378	13.25	4.73	0.359
October	13.00	4.64	0.378	—	—	—
November	13.00	4.64	0.378	10.00	3.57	0.271
December	—	—	—	—	—	—
Averages	11.63	4.15	0.338	11.77	4.20	0.319
Goderich and Georgian Bay ports:						
April	—	—	—	—	—	—
May	—	—	—	—	—	—
June	—	—	—	4.90	1.74	0.323
July	—	—	—	5.00	1.79	0.333
August	—	—	—	5.00	1.79	0.333
September	—	—	—	5.00	1.79	0.333
October	—	—	—	5.00	1.79	0.333
November	—	—	—	5.00	1.79	0.333
December	—	—	—	—	—	—
Averages	—	—	—	4.98	1.78	0.331
Port Colborne:						
April	—	—	—	—	—	—
May	—	—	—	—	—	—
June	—	—	—	—	—	—
July	—	—	—	—	—	—
August	—	—	—	—	—	—
September	—	—	—	—	—	—
October	—	—	—	—	—	—
November	—	—	—	5.50	1.96	0.231
December	—	—	—	—	—	—
Averages	—	—	—	5.50	1.96	0.231
Buffalo:						
April	—	—	—	—	—	—
May	—	—	—	—	—	—
June	—	—	—	—	—	—
July	—	—	—	8.75	3.12	0.361
August	—	—	—	7.50	2.68	0.311
September	—	—	—	—	—	—
October	—	—	—	—	—	—
November	—	—	—	7.50	2.68	0.311
December	—	—	—	—	—	—
Averages	—	—	—	7.74	2.76	0.320
Port Colborne to:						
Montreal:						
April	—	—	—	—	—	—
May	—	—	—	—	—	—
June	—	—	—	—	—	—
July	—	—	—	—	—	—
August	—	—	—	—	—	—
September	—	—	—	—	—	—
October	—	—	—	—	—	—
November	—	—	—	—	—	—
December	—	—	—	—	—	—
Averages	—	—	—	—	—	—

¹ Freight charges from Fort William - Port Arthur provided by Board of Grain Commissioners for Canada.

SECTION III

CANSO AND OTHER CANADIAN CANALS

CANSO CANAL

TABLE 56. Location and Description

	Length of channel	Number	Locks		
			Minimum dimensions		
			Length	Width	Depth
	miles		feet		
Canso Canal through the Cape Breton end of the Canso Causeway at Port Hastings, N.S.....	0.78	1	820	80	32

TABLE 57. Historical Summary, 1957 - 65

	1957	1958	1959	1960	1961	1962	1963	1964	1965
Vessel transits:									
Up.....	660	616	625	609	589	574	518	672	629
Down.....	611	626	621	619	591	565	562	695	829
Totals.....	1,271	1,242	1,246	1,228	1,180	1,139	1,080	1,367	1,458
Net registered tonnage:									
Up.....	224,920	274,703	346,793	374,478	346,282	488,870	543,376	580,851	461,800
Down.....	186,507	262,409	284,839	389,968	352,542	485,477	557,696	657,035	627,246
Totals.....	411,427	537,112	631,632	764,446	698,824	974,347	1,101,072	1,237,886	1,089,046
Cargo tonnage:									
Up.....	233,908	364,044	476,318	606,339	495,540	747,540	744,342	865,158	708,352
Down.....	161,887	162,562	198,188	197,037	206,857	363,112	460,194	480,124	374,053
Totals.....	395,795	526,606	674,506	803,376	702,397	1,110,652	1,204,536	1,345,282	1,082,405
Season of navigation:									
First vessel passage.....	Jan. 2	March 14	April 17	April 17	May 12	April 16	April 17	April 13	April 20
Last vessel passage.....	Dec. 31	Dec. 25	Dec. 31	Jan. 16/61	Dec. 31	Feb. 9/63	Dec. 27	Dec. 30	Dec. 31

TABLE 58. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the Canso Canal, by Kind, and by Registry of Vessel

Kind of vessel	Country of registry	Upbound						Downbound							
		Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
		In ballast	With cargo	Total					In ballast	With cargo	Total				
Cargo.....	Canada.....	24	207	231	318,516	532,442	651,064	-	145	216	361	482,663	799,555	247,385	-
	United States.....	1	-	1	152	224	-	-	5	-	5	904	1,149	-	-
	United Kingdom.....	6	11	17	31,241	63,252	4,753	-	1	8	9	20,893	39,243	39,167	-
	Other.....	28	48	76	92,001	166,808	51,501	-	9	51	60	81,392	148,132	84,825	-
	Totals.....	59	266	325	441,910	762,726	707,318	-	160	275	435	585,852	988,079	371,377	-
Other.....	Canada.....	137	164	301	19,336	43,328	1,034	-	141	205	346	30,830	66,703	2,326	-
	United States.....	3	-	3	554	816	-	-	19	26	45	9,864	15,360	250	-
	United Kingdom.....	-	-	-	-	-	-	-	1	-	1	453	1,180	-	-
	Other.....	-	-	-	-	-	-	-	-	2	2	247	631	100	-
	Totals.....	140	164	304	19,890	44,144	1,034	-	161	233	394	41,394	83,874	2,676	-
Grand totals.....	199	430	629	461,800	806,870	708,352	-	321	508	829	627,246	1,071,953	374,053	-	

TABLE 59. Number and Tonnage of Vessels Through the Canso Canal, by Origin and Destination, by Registry of Vessel, and by Rig

Origin and destination	Country of registry	Steam			Motor			Other			Total		
		Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Upbound:													
Canada to Canada	Canada	53	88,337	156,007	457	237,462	403,297	13	5,038	4,998	523	330,837	564,302
	United States	—	—	—	2	402	592	—	—	—	2	402	592
	United Kingdom	9	15,681	31,796	—	—	—	—	—	—	9	15,681	31,796
	Other	2	2,986	5,360	28	20,226	32,055	—	—	—	30	23,212	37,415
Canada to United States	Canada	—	—	—	1	2,160	3,358	—	—	—	1	2,160	3,358
Canada to United Kingdom	Other	—	—	—	1	1,520	2,285	—	—	—	1	1,520	2,285
Canada to others	Other	1	1,493	2,690	—	—	—	—	—	—	1	1,493	2,690
United States to Canada	Canada	—	—	—	7	2,695	4,752	—	—	—	7	2,695	4,752
	United Kingdom	8	15,560	31,456	—	—	—	—	—	—	8	15,560	31,456
	Others	6	10,969	18,826	30	38,872	71,155	—	—	—	36	49,841	89,981
United States to United States	Canada	—	—	—	1	2,160	3,358	—	—	—	1	2,160	3,358
	United States	—	—	—	2	304	448	—	—	—	2	304	448
Other to Canada	Other	—	—	—	7	14,158	31,154	—	—	—	7	14,158	31,154
Other to other	Other	—	—	—	1	1,777	3,283	—	—	—	1	1,777	3,283
	Totals	79	135,026	246,135	537	321,736	555,737	13	5,038	4,998	629	461,800	806,870
Downbound:													
Canada to Canada	Canada	80	143,642	249,041	574	342,304	581,624	42	16,399	16,891	696	502,345	847,556
	United States	—	—	—	2	207	318	—	—	—	2	207	318
	United Kingdom	3	4,343	9,044	2	4,873	8,541	—	—	—	5	9,216	17,585
	Other	2	6,864	12,064	26	26,559	51,032	—	—	—	28	33,423	63,096
Canada to United States	Canada	2	3,396	5,872	10	7,364	12,366	—	—	—	12	10,760	18,238
	United States	—	—	—	8	1,666	3,031	—	—	—	8	1,666	3,031
	United Kingdom	5	12,130	22,841	—	—	—	—	—	—	5	12,130	22,841
	Other	8	14,323	24,712	8	5,656	11,286	—	—	—	16	19,979	35,988
Canada to United Kingdom	Other	—	—	—	4	7,287	13,122	—	—	—	4	7,287	13,122
Canada to other	Other	6	9,150	15,821	7	11,696	20,454	—	—	—	13	20,846	36,275
Canada to other	Canada	—	—	—	1	635	1,095	—	—	—	1	635	1,095
United States to Canada	United States	—	—	—	4	303	614	—	—	—	4	303	614
United States to United States	United States	—	—	—	35	8,449	12,184	—	—	—	35	8,449	12,184
	Totals	106	193,848	339,395	681	416,999	715,667	42	16,399	16,891	829	627,246	1,071,953
	Grand totals	185	328,874	585,530	1,218	738,735	1,271,404	55	21,437	21,889	1,458	1,089,046	1,878,823

TABLE 60. Cargo Tonnage Through the Canso Canal, by Commodity, and by Origin and Destination

Commodity	Canada to Canada		Canada to United States		Canada to other countries		United States to Canada		Other countries to United States		Other countries to Canada		Total	
	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound
	tons													
Cattle	—	125	—	1,331	—	—	—	—	—	—	—	—	—	1,456
Fish, fresh, chilled or frozen	759	7,503	—	—	—	—	—	—	—	—	—	—	759	7,503
Fish, smoked, salted, dried or pickled	—	1,024	—	—	—	—	—	—	—	—	—	—	—	1,024
Lobster	22	—	—	—	—	—	—	—	—	—	—	—	22	—
Barley	900	9,974	—	—	—	—	—	—	—	—	—	—	900	9,974
Oats	—	5,193	—	—	—	—	—	—	—	—	—	—	—	5,193
Wheat	—	144,318	—	—	—	—	—	—	—	—	—	—	—	144,318
Malt and malt flour	1,300	—	—	—	—	—	—	—	—	—	—	—	1,300	—
Wheat flour	945	545	—	—	—	—	—	—	—	—	—	—	945	545
Fresh or chilled fruits and berries, n.e.s.	1	—	—	—	—	—	—	—	—	—	—	—	1	—
Potatoes	—	15,245	—	—	—	500	—	—	—	—	—	—	—	15,745
Vegetables, fresh or chilled, n.e.s.	73	315	—	—	—	—	—	—	—	—	—	—	73	315
Feeds of vegetable origin, n.e.s.	1,208	—	—	—	—	—	—	—	—	—	—	—	1,208	—
Feeds of animal origin	—	640	—	—	—	800	—	—	—	—	—	—	—	1,440
Pulpwood	2,000	7,359	—	—	—	9,191	—	—	—	—	—	—	2,000	16,550
Lead ore and concentrates	—	—	—	—	—	3,003	—	—	—	—	—	—	—	3,003
Coal, bituminous, sub-bituminous and lignite	—	—	—	—	—	—	500	—	—	—	—	—	—	500
Fluorspar	—	—	—	—	—	—	5,719	—	—	—	—	—	—	5,719
Gypsum	121,069	—	—	—	—	—	—	—	—	—	—	—	121,069	—
Salt	—	47,796	—	15,064	—	—	—	—	—	—	—	—	—	62,860
Sulphur in ores, crude and refined (exc. pharmaceutical grade)	—	—	—	—	—	—	10,460	—	—	—	—	—	—	10,460
Lumber and timber	1,140	560	—	—	—	—	—	—	—	—	—	—	1,140	560
Pulp	2,503	3,892	—	—	—	—	—	—	—	—	—	—	2,503	3,892
Newsprint paper	—	4,516	—	3,532	—	—	—	—	—	—	—	—	—	8,048
Animal oils and fats (exc. marine)	—	3,100	—	—	—	—	—	—	—	—	—	—	—	3,100
Inorganic chemicals, n.e.s.	—	—	—	—	—	—	5,000	—	—	—	—	—	—	5,000
Fertilizers and fertilizer materials, n.e.s.	12,976	—	—	—	—	—	10,598	—	—	—	—	—	—	23,574
Chemical specialties, industrial, n.e.s.	—	427	—	—	—	—	—	—	—	—	—	—	—	427
Gasoline	172,197	15,649	—	—	—	—	—	—	—	—	—	—	172,197	15,649
Fuel oil	343,714	7,309	—	—	—	—	—	—	—	—	—	—	343,714	7,309
Petroleum and coal products, n.e.s.	4,300	8,508	—	—	—	—	—	—	—	—	—	—	4,300	8,508
Structural shapes and sheet piling	—	60	—	—	—	—	—	—	—	—	—	—	—	60
Metal fabricated basic products	20	—	—	—	—	—	—	—	—	—	—	—	—	20
Cement	1,498	42,900	—	—	—	—	—	—	—	—	—	—	1,498	42,900
Motor vehicle engines, accessories and parts and assemblies	—	—	—	—	—	—	3	—	—	—	—	—	—	3
Containers and closures	—	10	—	—	—	—	—	—	—	—	—	—	—	10
Miscellaneous end products, inedible, n.e.s.	2,832	12,219	—	—	—	1,345	395	—	—	—	6,220	100	9,447	13,664
Totals	669,457	339,187	—	19,927	—	14,839	32,675	—	—	—	6,220	100	708,352	374,053

OTHER CANALS

TABLE 61. Locations and Descriptions

Canal	From	To	Length of channel	Locks			
				Number	Minimum dimensions		
					Length	Width	Depth
			miles	feet			
St. Peter's	St. Peter's Bay	Bras d'Or Lakes, N.S.	0.50	1	300	47.4	17
Richelieu River:							
St. Ours .....	.....	St. Ours, Que.	0.12	1	339	45	12
Chambly	Chambly	St. Jean, Que.	11.76	9	125.11	23.3	6.5
Rideau	Ottawa	Kingston	123.53	47	134	33	5.5
	Rideau Lake	Perth (Tay Branch)	6.12	2	134	33	5.5
Murray	Lake Ontario	Bay of Quinte	7.63	-	-	-	8.5
Trent	Trenton	Peterborough Lock	88.74	18	175	33	8
	Peterborough Lock	Swift Rapids	135.71	24	134	33	6
	Swift Rapids	Port Severn	16.00	(Marine railway)	-	-	4
	Port Severn Lock .....	.....	-	1	100	25	6
	Sturgeon Lake	Lindsay (Scugog Branch)	10.00	1	142	33	6
	Lindsay	Port Perry (Scugog Branch)	25.00	-	-	-	4.5
Ottawa River:							
St. Anne	Junction of St. Lawrence and Ottawa River .....	.....	0.62	1	200	45	9
Carillon	Carillon Rapids, Ottawa River .....	.....	0.94	2	200	45	9
Grenville	Long Sault Rapids, Ottawa River .....	.....	5.94	5	200	45	9
St. Andrew's	Red River 15 miles north of Winnipeg, Man. ....	.....	-	1	215	45	17

TABLE 61 A. Seasons of Navigation

Canal	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
St. Peter's:										
First vessel passage	April 19	April 22	March 31	April 20	April 4	April 27	April 4	May 1	April 25	April 30
Last vessel passage	Dec. 21	Dec. 28	Dec. 19	Dec. 31	Dec. 22	Dec. 16	Dec. 5	Dec. 12	Dec. 16	Dec. 21
Richelieu River:										
First vessel passage	April 16	April 17	April 17	April 15	April 4	April 20	April 20	April 20	April 14	April 24
Last vessel passage	Nov. 30	Dec. 1	Nov. 29	Dec. 5	Nov. 27	Dec. 2	Nov. 29	Dec. 1	Nov. 29	Nov. 29
Rideau:										
First vessel passage	May 1	May 1	May 3	May 9	May 18	May 11	May 7	May 13	May 28	May 15
Last vessel passage	Nov. 20	Nov. 18	Oct. 21	Nov. 2	Nov. 1	Nov. 4	Oct. 31	Oct. 18	Sept. 6	Oct. 6
Murray:										
First vessel passage	May 26	April 13	April 22	April 17	April 19	May 1	April 12	Apr. 18	May 13	April 20
Last vessel passage	Nov. 29	Dec. 8	Dec. 4	Nov. 27	Dec. 1	Nov. 29	Nov. 24	Nov. 30	Nov. 27	Nov. 12
Trent:										
First vessel passage	May 25	May 16	May 12	May 15	June 10	May 17	May 15	May 18	May 19	May 30
Last vessel passage	Nov. 30	Oct. 31	Oct. 31	Oct. 22	Nov. 23	Oct. 9	Oct. 11	Oct. 7	Sept. 18	Oct. 15
Ottawa River:										
First vessel passage	April 25	April 17	April 23	May 2	May 3	April 24	April 15	April 24	April 30	May 3
Last vessel passage	Nov. 23	Nov. 30	Nov. 26	Nov. 19	Nov. 19	Nov. 10	Nov. 16	Dec. 1	Nov. 17	Oct. 12
St. Andrew's:										
First vessel passage	June 28	May 20	May 13	May 14	June 4	May 21	July 11	May 20	May 29	June 24
Last vessel passage	Nov. 2	Nov. 2	Oct. 31	Oct. 31	Nov. 1	Oct. 27	Nov. 3	Nov. 3	Nov. 2	Oct. 31

TABLE 62. Historical Summary 1956-65

	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Vessel transits:										
Up	1,781	1,942	1,412	1,882	1,664	1,438	863	1,071	1,029	1,078
Down	1,665	1,864	1,374	1,778	1,673	1,489	817	1,030	1,042	1,179
Totals	3,446	3,806	2,786	3,660	3,337	2,927	1,680	2,101	2,071	2,257
Net registered tonnage:										
Up	270,601	338,317	223,562	311,829	259,435	201,957	74,502	86,558	86,094	78,528
Down	237,355	301,423	198,939	281,420	247,918	196,894	71,728	79,979	85,524	109,156
Totals	507,956	639,740	422,501	593,249	507,353	398,851	146,230	166,537	171,618	187,684
Cargo tonnage:										
Up	83,196	90,615	85,522	81,275	83,274	89,762	82,506	70,923	98,043	83,306
Down	309,737	395,209	219,504	360,353	306,713	212,392	9,584	10,102	10,328	6,858
Totals	392,933	485,824	305,026	441,628	389,987	302,154	92,090	81,025	108,371	90,164

TABLE 63. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through Other Canals, by Kind, and by Registry of Vessel

Kind of vessel	Country of registry	Upbound							Downbound						
		Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers	Number of vessels			Net registered tonnage	Gross registered tonnage	Cargo tonnage	Number of passengers
		In ballast	With cargo	Total					In ballast	With cargo	Total				
Cargo	Canada	219	358	577	67,744	83,281	83,919	323	419	294	713	98,776	115,319	6,349	387
	United States	1	—	1	5	5	—	—	1	—	1	5	5	—	—
Other	Canada	297	203	500	10,779	21,454	67	320	248	217	465	10,375	17,837	209	282
	Grand totals	517	561	1,078	78,528	104,740	83,986	643	668	511	1,179	109,156	133,161	6,558	669

TABLE 64. Number and Tonnage of Vessels Through Other Canals, by Origin and Destination, by Registry of Vessel, and by Rig

Origin and destination	Country of registry	Steam			Motor			Other			Total		
		Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage	Number of vessels	Net registered tonnage	Gross registered tonnage
Upbound:													
Canada to Canada	Canada	1	126	285	808	23,944	43,007	128	26,905	26,905	936	50,975	70,197
Canada to United States	Canada	—	—	—	141	27,548	34,538	—	—	—	141	27,548	34,538
Canada to " "	United States	—	—	—	—	—	—	1	5	5	1	5	5
	Totals	1	126	285	949	51,492	77,545	129	26,910	26,910	1,078	78,528	104,740
Downbound:													
Canada to Canada	Canada	1	126	285	792	22,398	37,064	203	48,168	48,347	996	70,692	85,696
United States to Canada	Canada	—	—	—	166	35,490	43,776	15	2,960	3,662	181	38,450	47,438
Canada to United States	Canada	—	—	—	1	9	22	1	5	5	2	14	27
	Totals	1	126	285	959	57,897	80,862	219	51,133	52,014	1,179	109,156	133,181
	Grand totals	2	252	570	1,908	109,389	158,407	348	78,043	78,924	2,257	187,684	237,901

TABLE 65. Cargo Tonnage Through Other Canals, Upbound and Downbound, by Commodity

Commodity	Ottawa River		Richelieu River		Rideau		Trent		Murray		St. Andrew's		St. Peter's		Total	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Fish, fresh, chilled or frozen	—	—	—	—	—	—	—	—	—	—	519	—	9	200	528	200
Dairy produce, n.e.s.; eggs and honey	—	—	—	—	—	—	—	—	—	—	28	—	—	—	—	28
Potatoes	—	—	—	—	—	—	—	—	—	—	—	200	—	—	200	—
Vegetables, fresh or frozen, n.e.s.	—	—	—	—	—	—	—	—	—	—	—	115	—	—	115	—
Sugar, n.e.s.	—	—	—	—	—	—	—	—	—	—	27	—	—	—	—	27
Miscellaneous foods, food materials and food preparations, n.e.s.	—	—	—	—	—	—	—	—	—	2	144	—	—	—	2	144
Hay, forage and straw	—	—	—	—	—	—	—	—	—	—	16	—	—	—	16	—
Feeds of animal origin	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—
Ale, beer, stout and porter	—	—	—	—	—	—	—	—	—	—	55	—	—	—	55	—
Sand and gravel	—	—	—	—	—	—	—	—	—	—	—	5	7	—	5	7
Lumber and timber	—	—	—	—	—	—	6	—	—	—	68	—	—	—	6	66
Wood fabricated materials, n.e.s.	—	—	—	—	—	—	—	—	—	—	40	—	—	—	40	—
Newsprint paper	—	—	28,751 ¹	—	—	—	—	—	—	—	—	—	—	—	28,751	—
Metallic salts and peroxysalts, of inorganic acids	—	—	625	—	—	—	—	—	—	—	—	—	—	—	625	—
Explosives, fuses and caps	—	—	—	4,183	—	—	—	—	—	—	—	—	—	—	—	4,183
Fertilizers and fertilizer materials, n.e.s.	—	—	53,555	125	—	—	—	—	—	—	—	—	—	—	53,555	125
Gasoline	—	—	—	—	—	—	3	1	—	4	497	—	—	—	7	498
Fuel oil	—	—	—	—	—	—	1	2	—	—	—	—	—	—	1	2
Structural shapes and sheet piling	—	—	20	—	—	—	—	—	—	—	—	—	—	—	20	—
Machinery, n.e.s.	110	500	—	—	—	—	—	—	—	—	—	15	—	—	125	500
Passenger automobiles and chassis	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	5
Equipment	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—
Personal and household goods	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1
Containers and closures	—	—	—	—	—	—	—	—	—	—	32	121	—	—	32	121
Miscellaneous end products Inedible, n.e.s.	—	—	—	482 ²	—	—	—	—	—	—	13	57	—	—	13	539
Totals	110	505	82,951	4,790	—	—	10	3	—	—	571	1,053	344	207	83,986	6,558
Passengers	4	4	—	—	—	—	360	356	4	4	275	305	—	—	643	669

¹ Includes 25,486 cargo tons loaded for U.S. ports.

² Includes 456 cargo tons unloaded from U.S. ports.

APPENDIX

List of Commodities

SECTION I. LIVE ANIMALS

Cattle
Live animals, n.e.s.

SECTION II. FOOD, FEED, BEVERAGES AND TOBACCO

Meat and Meat Preparations

Meat, fresh, chilled or frozen
Meat, cured
Meat and meat preparations, n.e.s.

Fish and Marine Animals

Fish, fresh, chilled or frozen
Fish, smoked, salted, dried, or pickled
Fish, canned
Lobster
Shell fish, n.e.s.; meat of marine animals; and other fishery foods and feeds

Dairy Produce, Eggs and Honey

Butter
Cheese
Milk powder
Dairy produce, n.e.s.; eggs and honey

Grain, Flour, Meal and Cereal Preparations

Barley
Corn
Oats
Rye
Wheat
Cereals, unmilled, n.e.s.
Corn meal and flour
Corn starch
Malt and malt flour
Wheat flour
Cereals milled n.e.s.
Bakery products, incl. those frozen
Macaroni and cereal products, and farinaceous substances and flour for use as food

Fruits and Fruit Preparations

Apples (incl. crab-apples)
Bananas and plantains
Fresh or chilled fruits and berries, n.e.s.
Frozen fruits and berries
Dried and dehydrated fruits
Fruit juices, unfermented, not concentrated, and fruit juice concentrates
Fruit pulp and purée (not canned)
Fruits, preserved, not canned, n.e.s.
Fruits and preparations, canned (exc. infant foods)

Nuts, Except Oil Nuts

Peanuts, roasted or otherwise prepared
Nuts, except oil nuts, n.e.s.

Vegetables and Vegetable Preparations

Potatoes
Vegetables, fresh or chilled, n.e.s.
Vegetables, frozen
Vegetables, dried
Vegetables and vegetable preparations, n.e.s.

Sugar and Sugar Preparations

Raw sugar
Sugar, n.e.s.
Molasses, crude
Molasses, refined
Syrup
Sugar preparations (incl. confectionery)

Cocoa, Coffee, Tea and Spices

Cocoa and chocolate
Coffee
Tea
Spices
Vinegar

Margarine, Shortening and Lard

Margarine and similar products
Shortening
Lard

Miscellaneous Foods, Food Materials and Food Preparations

Sausage skins or casings
Miscellaneous foods, food materials and food preparations, n.e.s.

Fodder and Feed, Except Unmilled Cereals

Hay, forage and straw
Hulls, screenings, chaff and scourings
Wheat bran, shorts and middlings
Ground cereals and by-products, n.e.s.
Cottonseed oil meal and cake
Soyabean oil meal and cake
Oil seed meals and cake, n.e.s.
Brewers' and distillers' grains and solubles
Feeds of vegetable origin, n.e.s.
Feeds of animal origin
Concentrated and complete feeds

Beverages

Non-alcoholic beverages
Ale, beer, stout and porter
Wines
Fermented alcoholic beverages, n.e.s.
Distilled alcoholic beverages

Tobacco

Cigarettes
Tobacco, n.e.s.

List of Commodities - Continued

SECTION III. CRUDE MATERIALS, INEDIBLE**Crude Animal Products, Inedible (Except Fibres)**

Raw hides and skins and undressed fur skins
Crude animal products, inedible (except fibres),
n.e.s.

Crude Vegetable Products, Inedible (Except Tobacco, Fibres and Wood)

Seeds for sowing, n.e.s.
Flaxseed
Mustard seed
Rapeseed
Soya beans
Oil seeds, oil nuts and oil kernels, n.e.s.
Nursery and greenhouse stock and related
materials
Rubber and allied gums, natural, and natural
gums and resins
Crude vegetable products, inedible (except to-
bacco, fibres and wood), n.e.s.

Crude Wood Materials

Logs
Bolts and round timber
Pulpwood
Crude wood materials, n.e.s.

Textile and Related Fibres (Including Waste)

Wool and fine animal hair suitable for spinning
Textile and related fibres (including waste),
n.e.s.

Metallic Ores, Concentrates, Scrap Metals and By-Products (Alternative Classification)

Alumina and bauxite ore
Copper ore and concentrates and matte and
precipitates
Iron ore, crude, and concentrates, calcined,
roasted or treated
Lead ore and concentrates
Manganese ore
Nickel-copper ore, nickel-copper matte or speiss,
and nickel concentrates
Titanium ore
Zinc ore and concentrates
Ores, concentrates and precipitates, n.e.s.
Iron and steel scrap
Non-ferrous and precious metal scrap
Slags, drosses and other by-products

Coal, Crude Petroleum and Related Crude Products

Coal, bituminous, sub-bituminous, and lignite
Coal, n.e.s.
Crude petroleum, petroleum tops and natural
gasoline
Crude petroleum, Canadian
Natural gas and other crude bituminous sub-
stances

Crude Non-metallic Minerals (Except Coal and Petroleum)

Asbestos, unmanufactured, crude and fibre
Bentonite
China clay
Dolomite
Clay and other crude re-factory materials, n.e.s.
Sand and gravel
Limestone
Crushed stone, incl. stone refuse (exc. lime-
stone flux and crushed limestone)
Stone, crude, n.e.s.
Water and ice
Barytes, natural
Fluorspar
Gypsum
Phosphate rock
Salt
Sulphur in ores, crude and refined (exc. pharma-
ceutical grade)
Crude non-metallic minerals (except coal and
petroleum), n.e.s.

Waste and Scrap Materials, n.e.s.

Cotton and textile rags and waste
Hogged fuel (wood)
Waste and scrap materials, n.e.s.

SECTION IV. FABRICATED MATERIALS, INEDIBLE

Leather
Furs, dressed
Rubber fabricated materials

Wood Fabricated Materials

Lumber and timber
Flooring
Railway ties
Shingles and shakes
Lath of wood
Other sawmill products, n.e.s.
Veneer, plywood and wood building boards
Cooperage stock and box, crate and package shoo
Wood fabricated materials, n.e.s.

Pulp

Pulp

Paper and Paperboard

Newsprint paper
Paper, n.e.s.
Paperboard
Building paper and building board (exc. wood,
plastic and gypsum board)
Wet machine board and converted paper

Textile Fabricated Materials

Cordage, twine and rope (exc. braided cords
and threads)
Jute broad woven fabrics
Textile fabricated materials, n.e.s.

List of Commodities – Concluded**Oils, Fats, Waxes, Extracts and Derivatives,
Animal and Vegetable**

Animal oils and fats (exc. marine)
 Fish and marine animal oils
 Soyabean oil
 Vegetable oils and fats, exc. essential oils,
 n.e.s.
 Oils, fats, waxes, extracts and derivatives,
 animal and vegetable, n.e.s.

Chemicals and Related Products

Sulphuric acid (incl. oleum)
 Metallic salts and peroxysalts, of inorganic
 acids
 Inorganic chemicals, n.e.s.
 Glycol
 Organic chemicals, n.e.s.
 Explosives, fuses and caps
 Fertilizers and fertilizer materials, n.e.s.
 Agricultural chemicals, formulated (crop and
 seed treatments and herbicides); other insecti-
 cides and rodenticides; and adhesives
 Synthetic rubber (incl. rubber compounds and
 reclaimed rubber)
 Plastic materials, not shaped, and plastics
 basic shapes and forms
 Dyestuffs (exc. dyeing extracts); pigments,
 lakes and toners (exc. those in chemicals);
 and paints and related products
 Chemical specialties, industrial, n.e.s.

Petroleum and Coal Products

Gasoline
 Fuel oil
 Lubricating oils and greases
 Coke of petroleum and coal
 Asphalts and road oils
 Coal tar and coal pitch
 Petroleum and coal products, n.e.s.

Iron and Steel and Alloys

Ferro-alloys
 Pig iron
 Primary iron and steel, n.e.s.
 Castings and forgings (exc. pipes and fittings)
 Bars and rods, steel
 Plate, sheet and strip, steel
 Structural shapes and sheet piling
 Rails and railway track material
 Pipes and tubes, iron and steel (exc. fittings
 and finished electrical conduit and tubing)
 Wire (incl. wire rope)

Non-Ferrous Metals

Aluminum (incl. alloys)
 Copper and alloys
 Lead and alloys

Non-Ferrous Metals – Concluded

Nickel and alloys
 Zinc and alloys
 Non-ferrous metals, n.e.s.

Metal Fabricated Basic Products

Metal fabricated basic products

Non-metallic Mineral Basic Products

Building brick, clay
 Drain tiles, sewer pipes and fittings
 Bricks, tiles (clay) and refractories, n.e.s.
 Glass basic products
 Asbestos and asbestos cement basic products
 Cement
 Cement and concrete basic products, n.e.s.
 Lime
 Non-metallic mineral basic products, n.e.s.

Miscellaneous Fabricated Materials

Miscellaneous fabricated materials

SECTION V. END PRODUCTS, INEDIBLE**Machinery**

Tractors
 Machinery, n.e.s.

Transportation and Communication Equipment

Railway rolling stock
 Passenger automobiles and chassis
 Buses and chassis
 Trucks, truck chassis and truck tractors, com-
 mercial
 Military motor vehicles and trailers (exc. tanks)
 Motor vehicle engines, accessories, parts and
 assemblies
 Road motor vehicles, n.e.s.
 Ships and boats; aircraft; and miscellaneous
 vehicles (incl. parts and accessories)
 Rubber tires and tubes

Equipment

Equipment

Personal and Household Goods

Personal and household goods

Miscellaneous

Firearms, weapons and ammunition
 Containers and closures
 Miscellaneous end products, inedible, n.e.s.
 Domestic Package Freight

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