

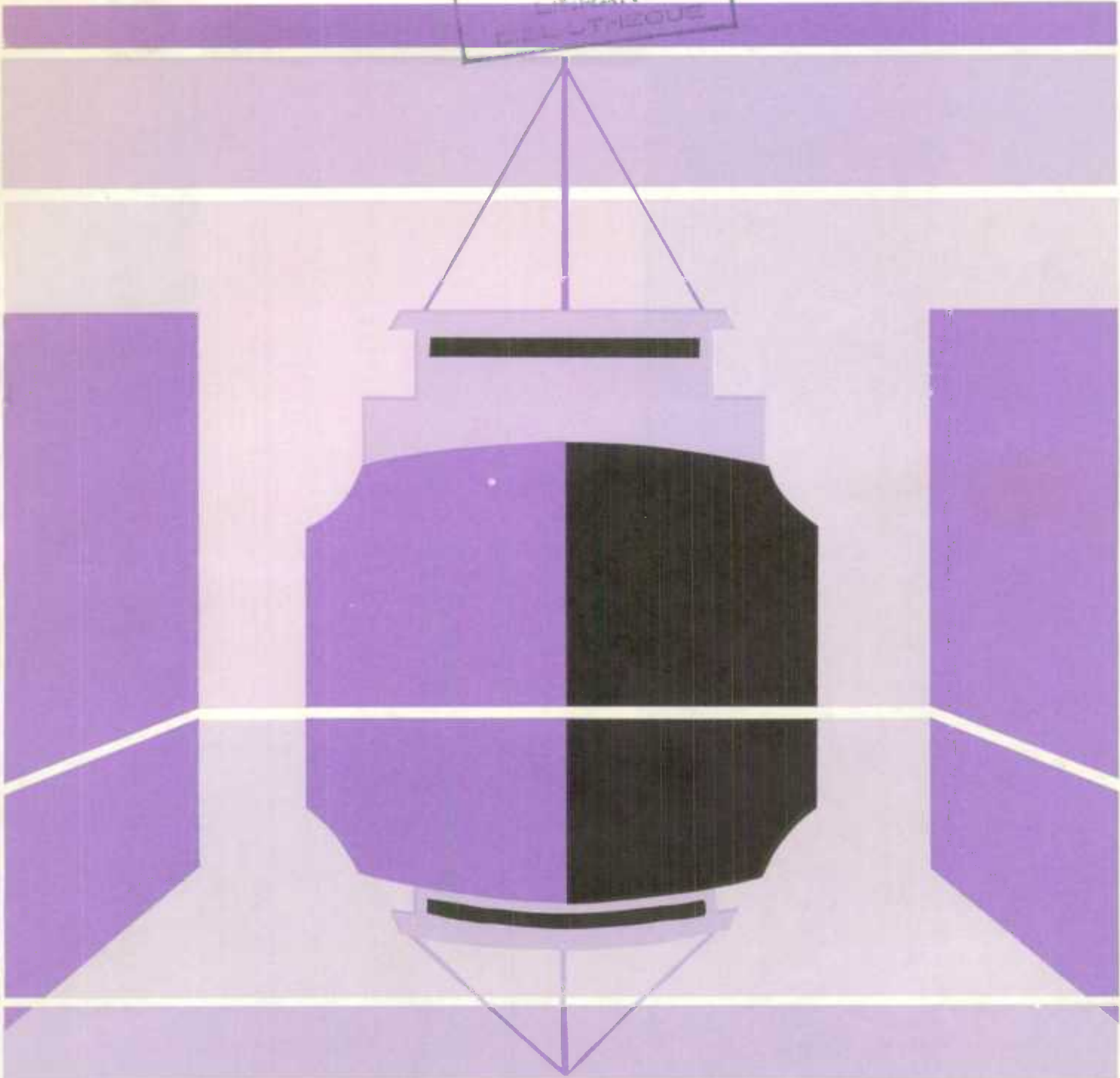
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Canal statistics

1970

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1970

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CITIZENSHIP AND
POLITICS

1950-1951

TABLE OF CONTENTS

	Page
Introduction	5
Analysis of Data	6
Statistical Highlights	8
Location and Description	9
Map of Canal Locations..... (insert)	
Charts – Total Freight through Canadian Canals 1950 - 70	11
Freight through Welland, St. Lawrence and Sault Ste. Marie Canals, 1950 - 70	12
Vessel traffic through Welland, St. Lawrence and Sault Ste. Marie Canals, 1950 - 70	12
 Section	
I. Summary for All Canals	15
II. The Montreal – Lake Ontario Section of the St. Lawrence Seaway	21
III. The Welland Canal Section of the St. Lawrence Seaway	43
IV. Non-toll Canals of the St. Lawrence Seaway	65
V. Canso and Other Canadian Canals	77
 Appendix	
A. Historical Summary 1961 - 70	82
B. Freight Charges on the Great Lakes	87
C. List of Commodities	90

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- r revised figures.

INTRODUCTION

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

Source

Traffic statistics presented in this publication are collected with the co-operation of the St. Lawrence Seaway Authority, the Department of Transport, and the Department of Public Works.

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. Similarly, for passages through the other canals, "Ship's Report—Canals" are completed, and a copy is submitted to the Bureau.

Of the eleven canal systems included in this publication, three comprise the St. Lawrence Seaway—the deep waterway extending over 2,300 miles from the Atlantic Ocean to Lake Superior. The Canadian portion, consisting of three sections—the St. Lawrence Canals (the South Shore, Beauharnois, Iroquois, and Lachine Canals), the Welland Canal, and the Sault Ste. Marie Canal—is under the jurisdiction of the St. Lawrence Seaway Authority for operation and maintenance. Seven 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.

Grain freight rates from Port Arthur-Fort William are obtained from the Board of Grain Commissioners for Canada, while other rates are derived from a survey of carriers.

Treatment of Data

Commodities shipped through the canal systems are grouped into 220 commodity classes which are based on the "Standard Commodity Classification Manual" published by the Dominion Bureau of Statistics; this adapted classification comprises Appendix C, which should be referred to for complete description of those commodities whose names have been necessarily abbreviated in the tables.

Because the one Canadian lock, which constitutes the Sault Ste. Marie Canal section of the Seaway, is narrower, shallower and shorter than the American locks, almost all of the tonnage is transported through the latter system. For this reason, coverage includes a table based on traffic through both lock systems; commodities are grouped according to the United States "Commodity Classification for Shipping Statistics", and the operating details are obtained from U.S. Army Corps of Engineers.

Among the definitions and concepts behind this report are the following:

A tug and towed barges comprise one unit in vessel compilations; small pleasure craft lockages have not been counted in these tables.

Unless otherwise noted, non-toll traffic through the Cornwall and Lachine Canal is excluded in the tables for the St. Lawrence Canals.

"Domestic package freight" consists of packaged unidentifiable commodities, which are transported between points 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.

Cargo tonnage is presented in units of 2,000 pounds.

The direction "downbound" corresponds generally with the direction of water flow; for the Seaway Canals then, downbound would be from the Great Lakes east to Montreal. For the secondary canals, this direction is:

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

Canso Canal: from George Bay to Port Hastings;

Richelieu River Canals: from St. Jean to St. Ours;

Ottawa River Canals: from Grenville to Ste-Anne;

Rideau Canal: from Kingston to Ottawa;

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

Trent Canal: from Lake Huron to Lake Ontario; and

St. Andrew's Canal: from Winnipeg to Lake Winnipeg.

"Bulk" commodities are those which are assessed for Seaway tolls at a bulk cargo rate, and consist of goods that are loose or in a mass, generally being shovelled, pumped, blown, scooped or forked in their handling. All grains, cement, coke, petroleum, liquids carried in tanks, ores and minerals, pig iron, scrap iron and steel, pulpwood, poles and logs, raw sugar, wood pulp, and "domestic package freight" are assessed at this rate. "General" commodities are goods not included in the above definition.

In this publication traffic is counted each time a vessel passes through a canal; Table 6, however, contains data excluding these duplications.

ANALYSIS OF DATA

Throughout 1970, the Canadian canal systems handled vessels transporting 116,998,426 tons of cargo. This volume was up 20.0 per cent from the previous year when 97,357,234 tons were reported.

This year's experience was largely attributable to an absence of strikes, and a new all time record for traffic was established. (Previous record was 1966, with 110,702,534 cargo tons.)

A primary purpose of Canadian canals is to provide a means of low cost transport for a variety of raw materials and agricultural products. Shippers and producers have utilized these systems extensively for such transportation. Crude materials, particularly iron ore and coal, made up 56.7 million tons or 48.5 per cent of all cargo in 1970, while agricultural products comprised 36.4 million tons or 31.1 per cent; the proportions in 1969 were 51.6 per cent and 24.8 per cent respectively and 53.9 and 24.1 per cent in 1968. The variations for agricultural products were a direct consequence of fluctuations in foreign demand for North American grains. Prominent among the other cargo types through these systems were petroleum and steel products.

The movement of this volume entailed 19,834 vessel transits, up slightly from the 19,710 craft in 1969. The average cargo per transit was 5,898 tons in 1970 and 4,940 tons in 1969. Vessel registered net tonnage rose to 81,408,133 from 74,607,286 in 1969, while the average per transit in the two years stood at 4,104 and 3,785 registered net tons respectively.

Canadian vessels constituted almost three quarters of both numbers and cargo tonnage in the two periods.

An appreciable number of vessels travelled through more than one canal of the Seaway system with a particular cargo. Freight counted once through the Seaway totalled 72,274,672 tons during 1970; for the 1969 season this volume was scaled at 61,960,235 tons, and 67,301,161 tons for 1968.

The St. Lawrence Canals

Over a distance of 182 miles the five Canadian and the two American locks of the Seaway's Montreal-Lake Ontario section overcome a difference of 225 feet in river level.

The St. Lawrence Canals posted a sizeable increase to 51,196,586 cargo tons from 41,067,366 tons in 1969. The year 1967 featured a month-long lake vessel strike, and in 1968 there was a Seaway and a grain handlers strike, all of approximately the same duration. A prolonged iron ore strike had a much more severe effect on the Seaway in quantitative cargo terms in 1969. On this section

upbound iron ore movements totalled 14,805,337 tons in 1970 compared to 11,544,282 tons in the previous year.

The percentage of ballast trips dropped to 30.0 per cent of all transits, as against 32.8 per cent in 1969, while the average cargo per loaded vessel rose to 11,058 tons from 9,140 tons in the previous year. Toll revenues during 1970 amounted to \$25,459,227 compared to collections of \$21,456,478 in 1969.

Passenger traffic through the St. Lawrence Canals dipped to 3,241 from 4,631 persons in 1969; most of this activity is conducted by American-registered cruise boats operating for the benefit of tourists.

During the 1970 canal season iron ore movements in both directions totalled 15,114,277 tons or fully 29.5 per cent of all cargo transported. In quantitative measures, it ranked first.

Among the other crude materials carried through the St. Lawrence Canals, soyabeans ranked high at 2,442,096 tons downbound from the Great Lakes; approximately one-third is shipped directly overseas, and the bulk of the remainder is handled at various Canadian ports from Montreal to Baie Comeau for later transfer to ocean shipping. The 1969 level for this commodity was 1,593,112 tons. Scrap iron and steel dipped to 960,513 tons from the level of 1,455,410 tons in 1969.

Of the agricultural products moving upbound, raw sugar to Canada, at 174,865 was the most significant cargo; all products totalled 458,650 tons or less than 1.8 per cent of goods moving into the lakes. Agricultural products are much more important to carriers in terms of downbound traffic, where they accounted for 17,278,571 tons or 66.6 per cent of the total. The share in 1969 was 59.4 per cent; the increase was largely due to an increase in wheat traffic to 8,144,910 tons as a result of increased world demand. Barley shipments rose to 4,006,824 tons.

Tanker shipments of fuel oil and gasoline were reported at 3,167,673 tons (12,453,920 tons in 1969) and 498,429 tons (515,447 tons), the larger portion being traded between Canadian ports. Steel products, such as bars, rods, wire and shapes rose to 4,602,291 tons from 4,545,569 tons in 1969. These products helped to cause the reduction in general cargoes to 6,533,123 tons from 7,074,272 tons during the previous year.

Canadian-registered shipping constituted 3,945 or 58.7 per cent of all transits, 26,942,645 gross tons or 59.3 per cent of the total; as well these vessels transported 36,325,236 tons or 71.0 per cent of available cargoes. The corresponding

shares in 1969 were 54.8 per cent, 53.2 per cent and 62.8 per cent of the system's totals. American vessels handled 239,609 cargo tons or 0.5 per cent of 1970 traffic (0.7 per cent in 1969). English vessels a further 2,571,886 tons or 5.0 per cent (5.4 per cent in 1969) and Norwegian shipping some 2,550,241 tons or 5.0 per cent (7.6 per cent).

The Welland Canal

The second major section in the Seaway was completed in 1932. It provides a 28-mile channel linking Lakes Erie and Ontario, whose 326-foot difference in elevation is overcome by the system's eight locks. Improvements have been continuing, currently to construct a new 8.6-mile channel to by-pass the restrictive curves and bridges in the existing waterway.

During the year the Welland Canal served 7,200 vessels in the transport of 62,965,510 tons of cargo. Volume was up some 17.5 per cent from 1969, indicative of the ore stoppage, the previous year.

Passenger traffic, excluding those on pleasure craft, numbered 668 persons compared to 302 in 1969. The Welland Canal is much more important for cargo transport, notably bulk products which totalled 57,143,609 tons (47,388,629 tons in 1969) compared to only 5,821,901 tons (6,184,671 tons) of general cargoes.

Upbound iron ore to the United States during the year totalled 12,492,361 tons compared to 10,323,637 tons in 1969, while ore downbound from Port Arthur-Fort William, Superior, Taconite and other ore ports totalled 3,549,199 tons (3,213,110 tons in 1969) all of which was destined for Canadian steel complexes. The steel industry was a major user of the 10,772,203 tons of coal downbound through the Canal; in 1969 this traffic amounted to 10,774,409 tons. These two commodities constituted 42.6 per cent of Welland volume.

Agricultural produce from the western provinces and states form a cornerstone in Welland traffic. Downbound wheat was registered at 8,681,577 tons (5,334,588 tons in 1969), corn at 3,015,944 tons (3,535,186 tons), barley at 4,253,155 tons (996,428 tons) soyabeans at 2,934,801 tons (1,991,168 tons) and flaxseed at 417,478 tons (444,521 tons). All of these commodities are sensitive to foreign demands, crop levels and tariffs. Among the other commodity traffic, dolomite to the United States dipped to 942,284 tons from 1,167,653 tons in 1969. Upbound steel products eased upwards to 3,484,032 tons from 3,420,455 tons in 1969. Iron and steel scrap dropped to 888,677 tons compared to 1,341,131 tons from the upper lakes through 1969.

Canadian vessels made 4,655 or 64.6 per cent of all transits in 1970. Many were of maximum Seaway dimensions and therefore totalled 70.8 per cent of gross registered tonnage, and moved

47,758,298 tons or 75.6 per cent of all cargo. These percentages for 1969 were 60.8, 66.6 and 71.6 respectively. American shipping was second ranking at 422 transits followed by Germany at 401.

The Sault Ste Marie Canals

During 1970 there were mixed volume indicators of activity for the Sault Ste Marie Canal. Vessel traffic was down slightly at 3,099 from 3,239 in 1969 as was cargo at 1,352,016 tons from 1,427,841 tons while passenger numbers rose to 202,241 from 192,891 persons. Of the cargo, domestic package freight totalled 460,482 tons or 34.1 per cent of all commodities, fuel oil provided 16.8 per cent or 227,087 tons, and pulp a further 127,912 tons or 9.4 per cent.

Due to greater width, length and depth, the American installations at Sault Ste Marie, Michigan, experience much heavier traffic, including all the largest lakers.

Upbound transits were often in ballast, total upbound tonnage being only 9,821,462 tons compared to 90,229,158 tons moving from Lake Superior. Coal, gravel, fuels and manufactured goods feature in upbound movements, while downbound shipments are mostly iron ore and grains from both American and Canadian sources. The American facilities locked through 100,050,620 tons compared to 97,079,146 tons in the 1969 season.

Other Canadian Canals

Of the eight other canal systems in Canada, the Canso Canal of Nova Scotia ranks first in terms of significance to commercial shipping. Through 1970, the lock handled vessels transporting 1,469,415 tons of cargo; this volume established the record for the Canal, surpassing the previous high of 1,266,138 tons in 1969 by 16.1 per cent. Traditionally, tanker cargoes between Atlantic ports constitute roughly seventy per cent of total volume; 1970 witnessed an increase to 922,618 tons from 809,917 tons of fuel oil and gasoline in 1969. Wheat cargoes fell back to 132,675 tons from 175,816 tons in 1969, while declines were also noted for potatoes, pulpwood and barley. However offsetting gains were recorded for other products, notably phosphate rock and newsprint, which were compounded by new traffic such as salt which totalled 69,612 tons. Tankers numbered only 251 out of 1,346 transits, but accounted for 1,232,758 gross registered tons, or more than half of the total of 2,280,715 tons.

The seven remaining canal systems accommodated 1,473 commercial transits during 1970 compared to 1,387 in the previous year. Vessels operated for tourist cruises are frequent users of the Trent and St. Andrew's networks, and accounted for most of the 30,755 commercial passengers in 1970, and the corresponding total of 24,390 for the seven

canals in 1969. These figures are minor when contrasted against the hundreds of thousands of persons using parts of these waterways for recreation. The seven canals also serve in the transport of merchandise, although this role is dwarfed against their value for recreation, tourism and water

control. During 1970 some 14,899 tons of cargo passed through these systems, a considerable drop from the 22,589 tons in 1969. Most of this volume is handled via the Richelieu River Canals, where the total dipped to 12,797 tons from 18,782 tons in 1969.

Statistical Highlights of the St. Lawrence and Welland Canals, 1970 and 1969

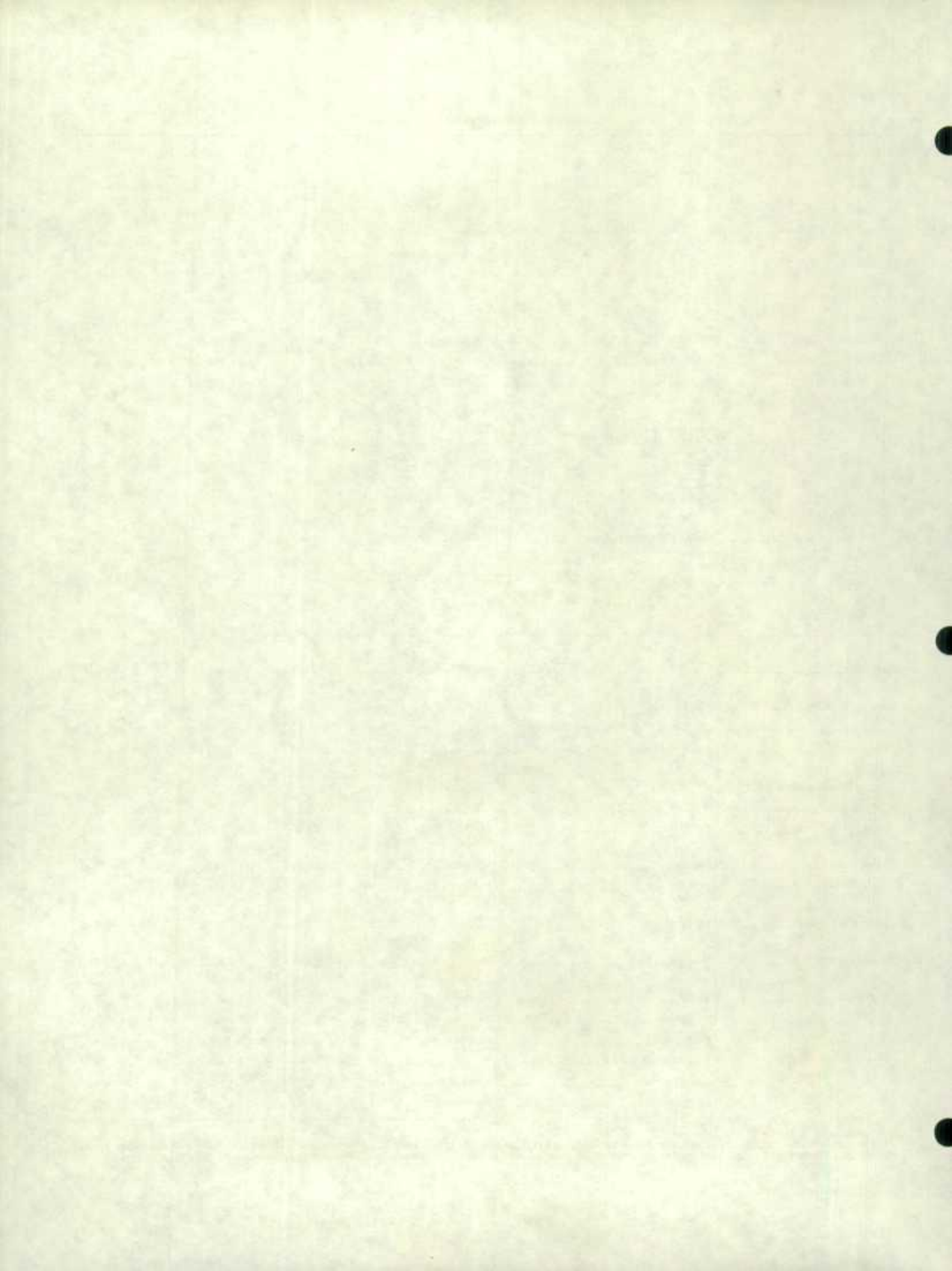
	1970	1969	Percentage variance 1970 over 1969
	tons		
St. Lawrence:			
Vessel data:			
No. of vessel transits..... No.	6,716	6,684	+ 0.5
Total gross tonnage.....	45,402,798	43,118,999	+ 5.3
Ballast trips as % of total..... %	30.0	32.8	
Cargo data:			
Total cargo.....	51,196,586	41,067,366	+ 24.7
Bulk cargo.....	44,663,463	33,993,094	+ 31.4
Iron ore.....	15,114,277	11,643,029	+ 29.6
Wheat.....	8,144,910	4,881,033	+ 66.9
Corn.....	2,859,707	3,354,887	- 14.8
General cargo.....	6,533,123	7,074,272	- 7.6
Iron and steel.....	4,923,816	4,806,088	+ 2.4
Toll revenue..... \$	25,459,227	21,456,478	+ 18.6
Welland:			
Vessel data:			
No. of vessel transits..... No.	7,200	6,913	+ 4.2
Total gross tonnage.....	63,124,283	57,515,220	+ 9.8
Ballast trips as % of total..... %	28.5	28.9	
Cargo data:			
Total cargo.....	62,965,510	53,573,300	+ 17.5
Bulk cargo.....	57,143,609	47,388,629	+ 20.6
Iron ore.....	16,041,560	13,553,532	+ 18.4
Bituminous coal.....	10,772,203	10,774,409	- 0.2
Wheat.....	8,681,577	5,340,770	+ 62.6
Corn.....	3,015,944	3,535,186	- 14.7
General cargo.....	5,821,901	6,184,671	- 5.9
Iron and steel.....	4,591,239	4,512,812	+ 1.7
Lockage revenue..... \$	3,533,405	2,494,075	+ 41.7

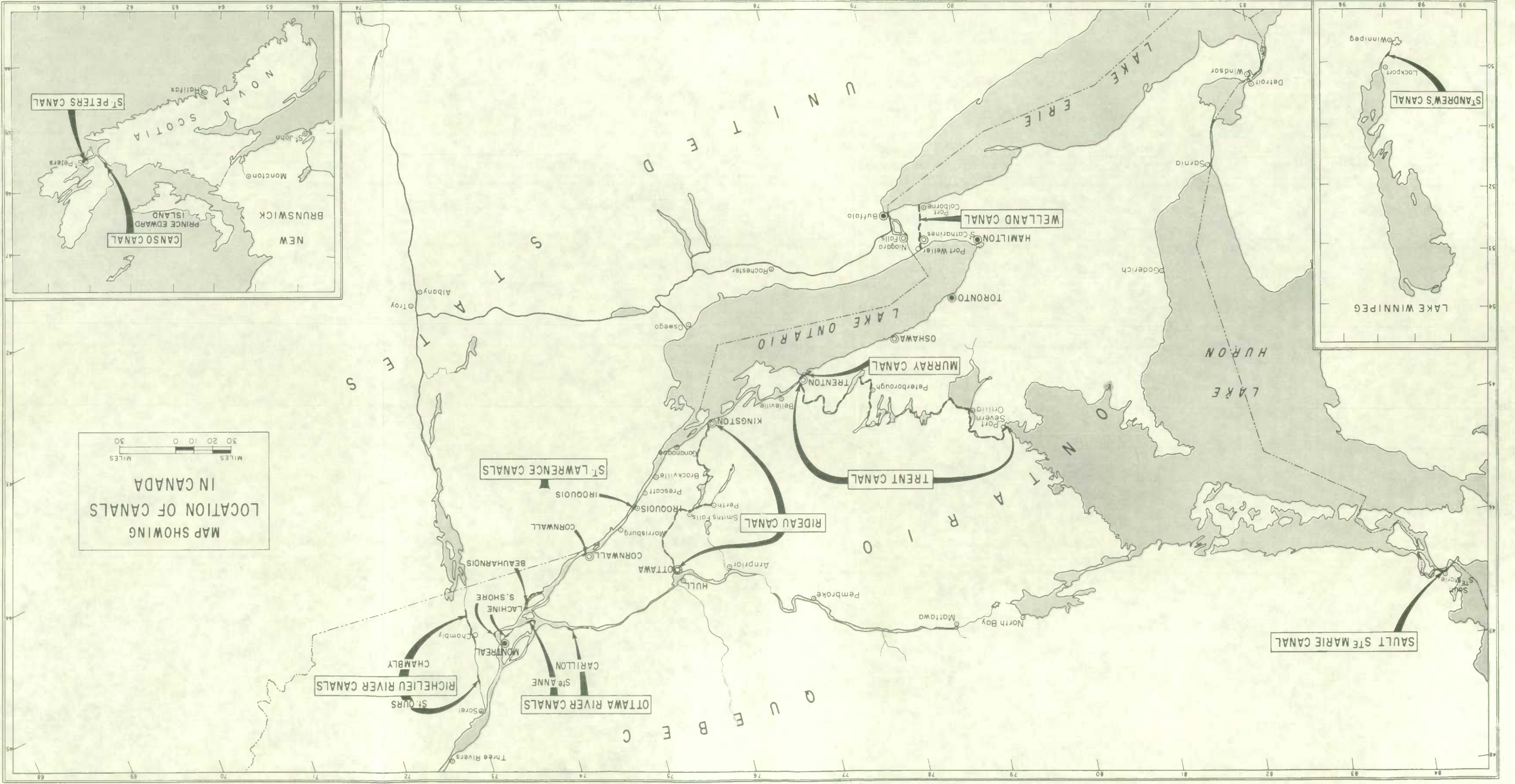
Location and Description of Canals

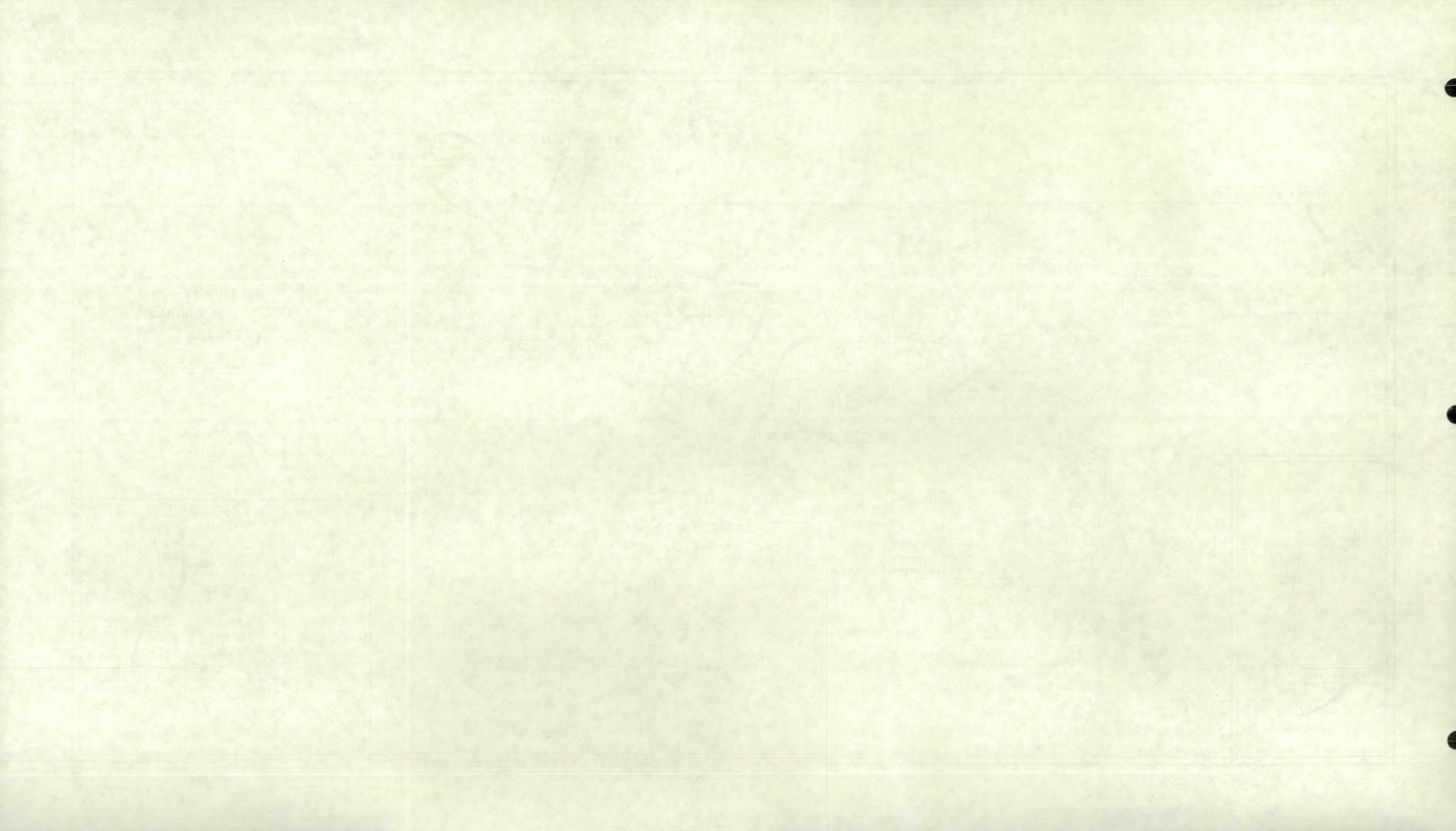
	From	To	Length of channel	Locks			
				Number	Minimum dimensions		
					Length ¹	Width	Depth
St. Lawrence Seaway Canals							
			miles		feet		
St. Lawrence Canals:							
Main route: ²							
South Shore Canal.....	Montreal.....	Caughnawaga.....	10	2	766	80	30
Beauharnois Canal.....	Melochville.....	Lake St. Francis.....	10	2	766	80	30
Iroquois Canal.....	Iroquois Point.....	.....	1	1	766	80	30
Non-toll canals:							
Lachine (not through canal) ...	Montreal.....	.....	4.51	2	270	45	14
Cornwall (not through canal)....	Cornwall.....	Closure dyke.....	1.5	3	270	43.67	14
Welland Canal.....	Port Weller.....	Port Colborne, Ont.....	27.6	8	766	80	30
Sault Ste. Marie Canal.....	St. Mary's Rapids.....	Sault Ste. Marie, Ont.....	1.38	1	900	60	18.25
Other Canadian Canals							
			miles		feet		
Canso Canal.....	Port Hastings, N.S.....	.....	0.78	1	820	80	28
Murray Canal.....	Lake Ontario.....	Bay of Quinte.....	7.53	-	-	-	9.5
Ottawa River Canals:							
St. Anne.....	Junction of St. Lawrence and Ottawa River.....	.....	0.12	1	200	45	9
Carillon.....	Carillon Rapids, Ottawa River.....	.....	0.50	1	188	45	9
Richelieu River Canals:							
St. Ours.....	St. Ours, Qué.....	.....	0.12	1	339	45	12
Chambly.....	Chambly.....	St. Jean, Qué.....	11.78	9	120.5	23.3	6.5
Rideau Canal.....	Ottawa.....	Kingston.....	123.53	47	134	33	5.5
	Rideau Lake.....	Perth (Tay Branch).....	6.82	2	134	33	5.5
St. Andrew's Canal.....	Lockport, Man.....	.....	-	1	215	45	17
St. Peter's Canal.....	St. Peter's Bay.....	Bras d'Or Lakes, N.S.....	0.50	1	300	47.4	17
Trent Canal.....							
	Trenton.....	Peterborough Lock.....	80.74	18	175	33	8
	Peterborough Lock.....	Swift Rapids.....	143.71	23	134	33	6
	Swift Rapids.....	Port Severn.....	16.10	(Marine railway)	-	-	4
	Port Severn Lock.....	.....	-	1	100	25	6
	Sturgeon Point.....	Lindsay (Sugog Branch).....	8.35	1	142	33	6
	Lindsay.....	Port Perry (Sugog Branch).....	26.81	-	-	-	6

¹ Breastwall to fender.

² Excludes Wiley-Dondero Canal and two locks (the Snell and Eisenhower) near Massena, N.Y. that are the responsibility of the St. Lawrence Seaway Development Corporation, the American counterpart of the St. Lawrence Seaway Authority. (Dimensions are essentially the same as the Canadian locks.)







TOTAL FREIGHT TRAFFIC THROUGH CANADIAN CANALS

MILLION TONS
140 —

1950-1969

MILLION TONS
140 —

130 —

130 —

120 —

120 —

110 —

110 —

100 —

100 —

90 —

90 —

80 —

80 —

70 —

70 —

60 —

60 —

50 —

50 —

40 —

40 —

30 —

30 —

20 —

20 —

10 —

10 —

0

0

FREIGHT TRAFFIC THROUGH
ST. LAWRENCE CANALS

TOTAL FREIGHT TRAFFIC
THROUGH
CANADIAN CANALS

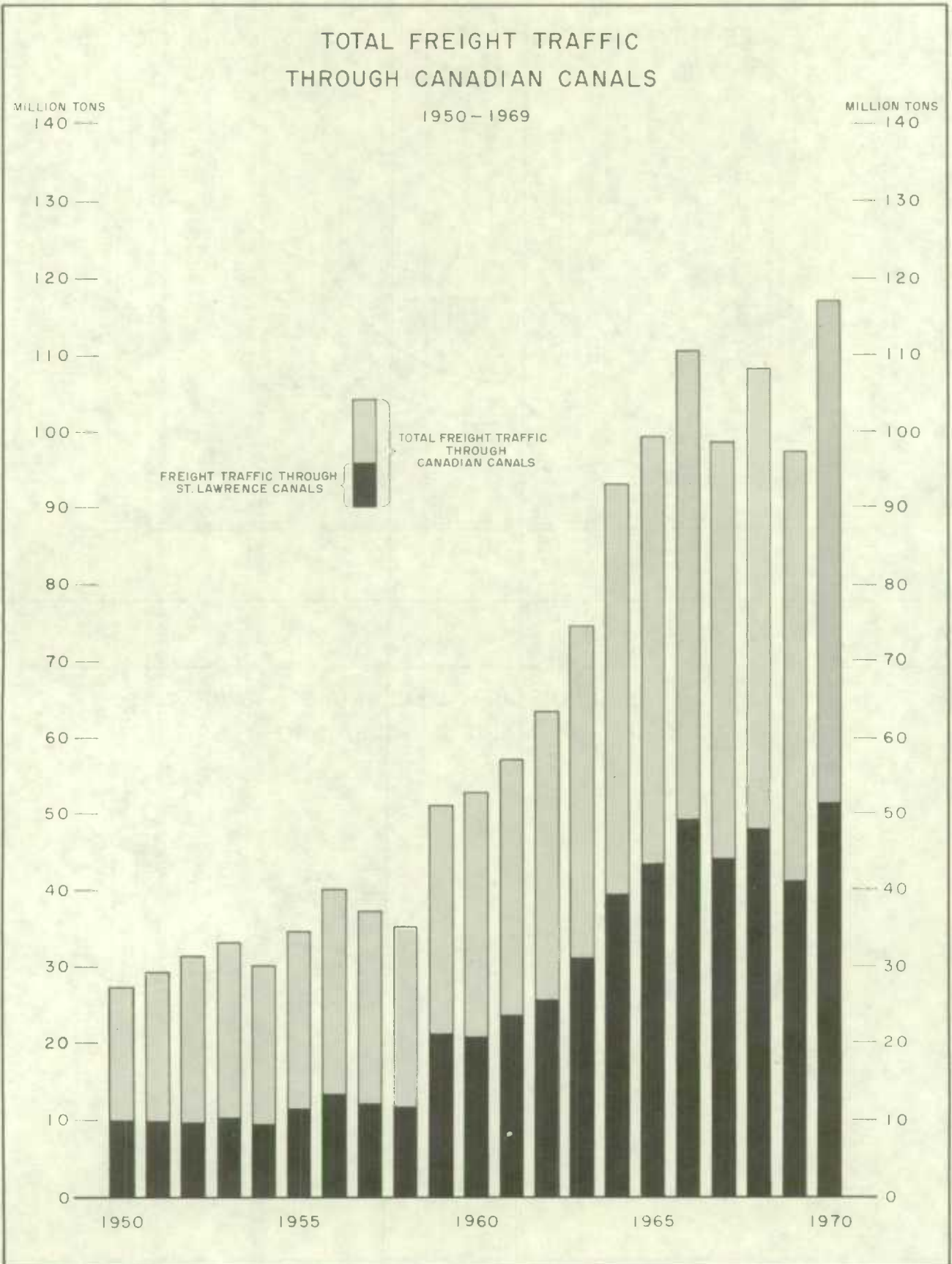
1950

1955

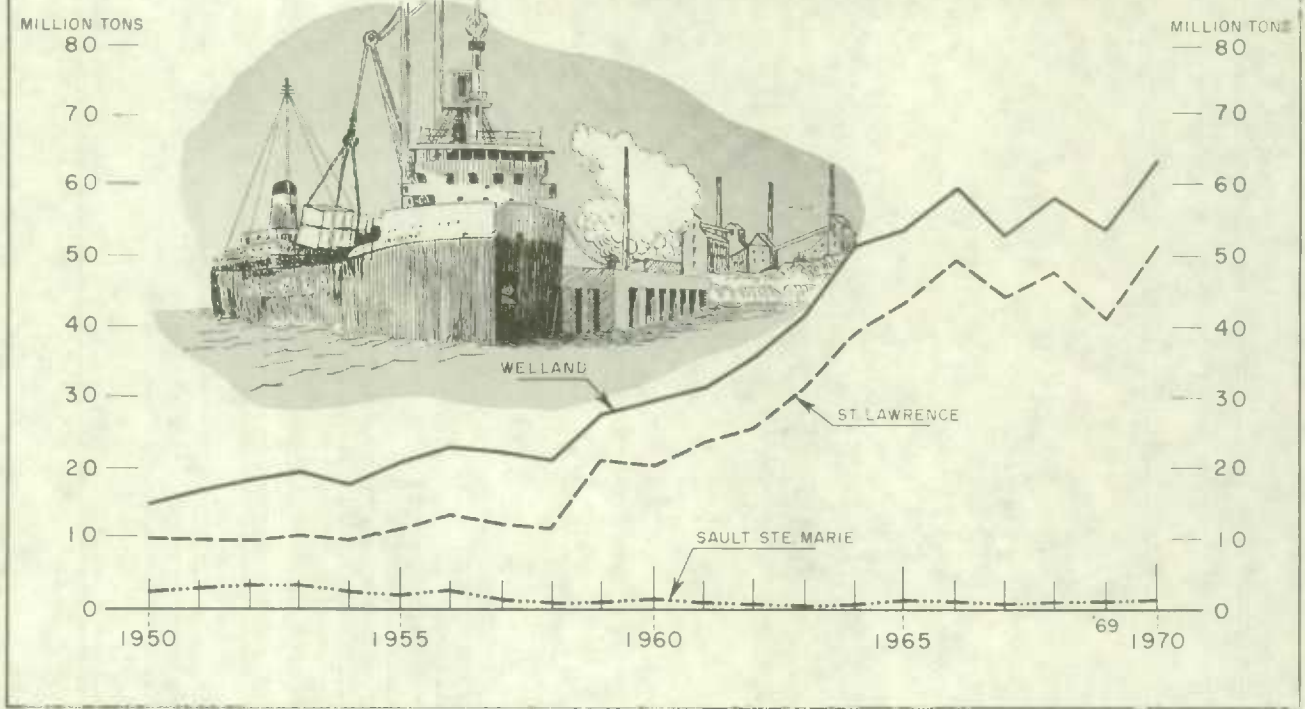
1960

1965

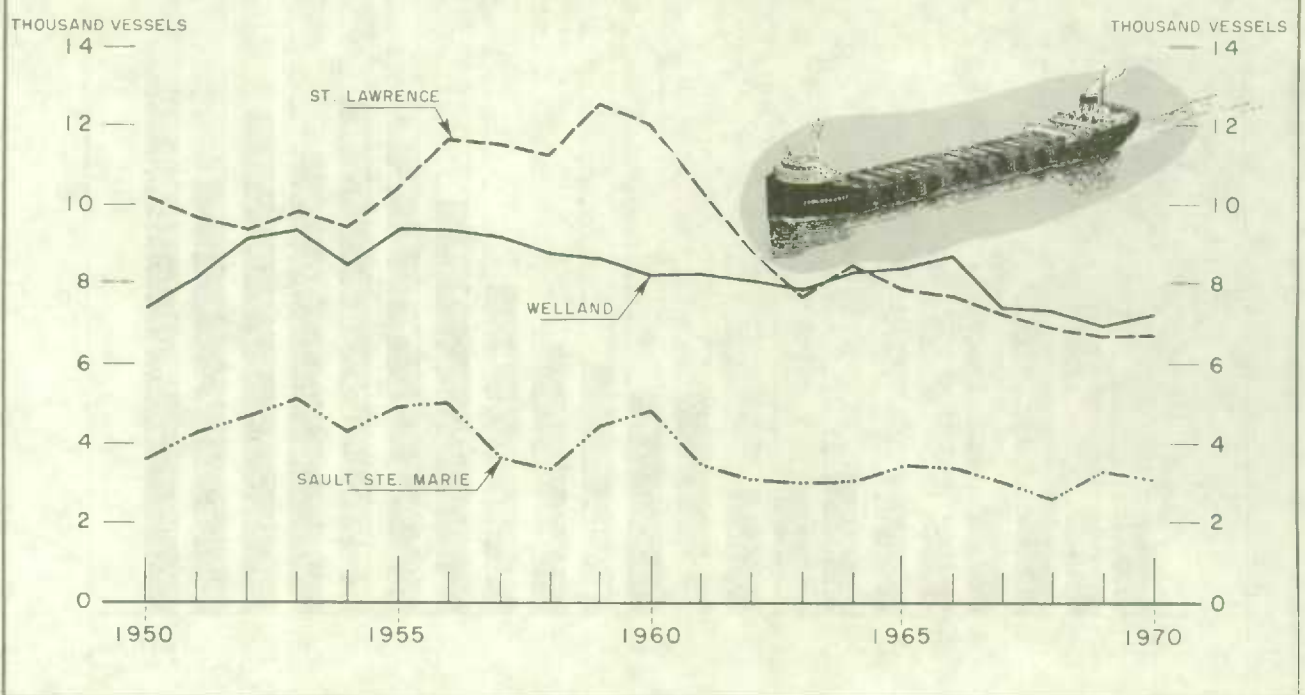
1970



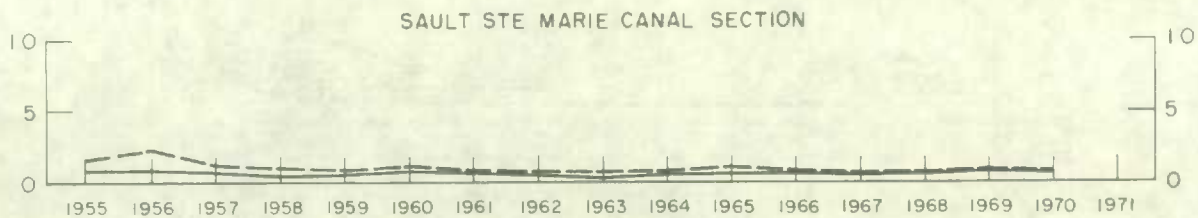
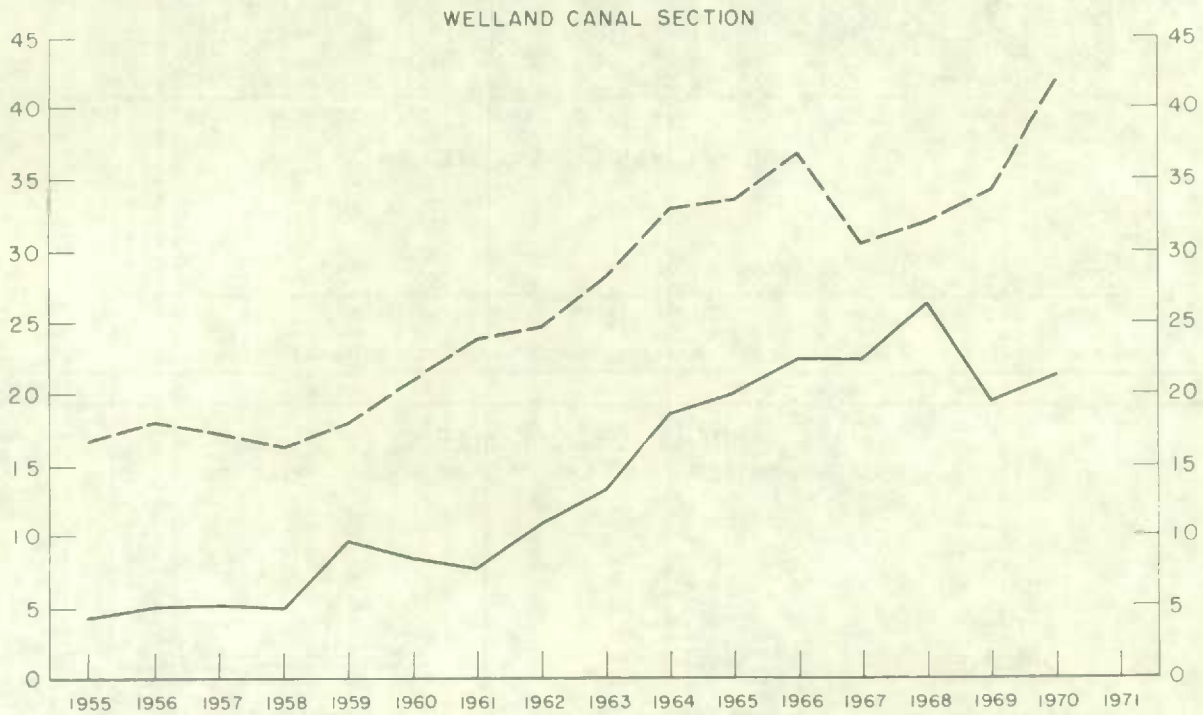
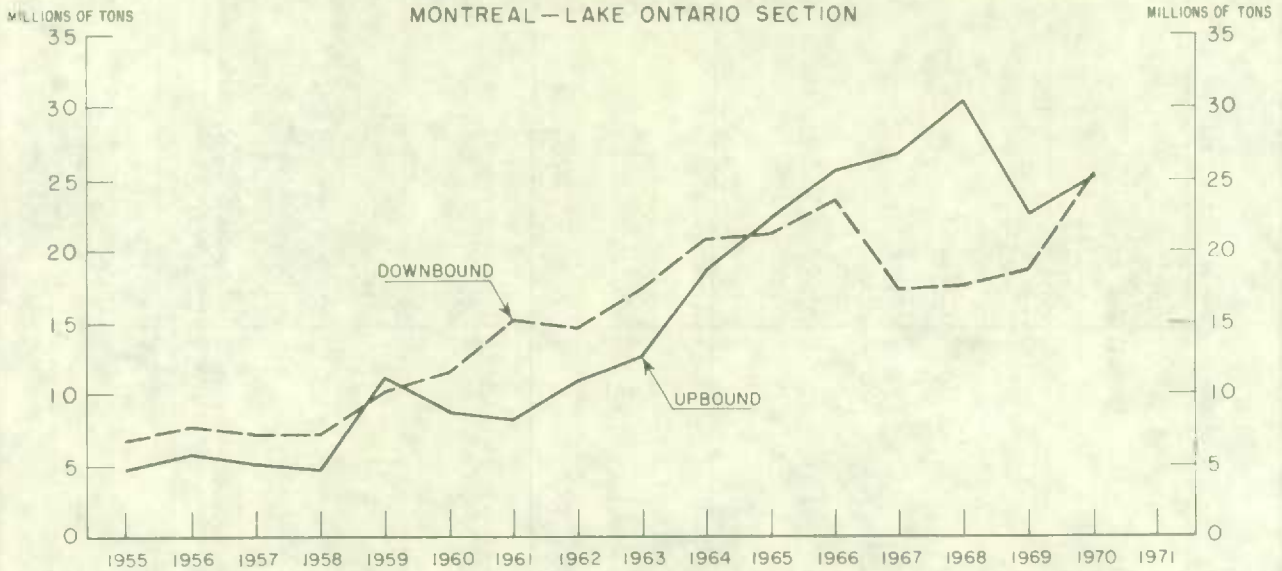
FREIGHT TRAFFIC THROUGH WELLAND, ST. LAWRENCE AND SAULT STE. MARIE CANALS, 1950-1969



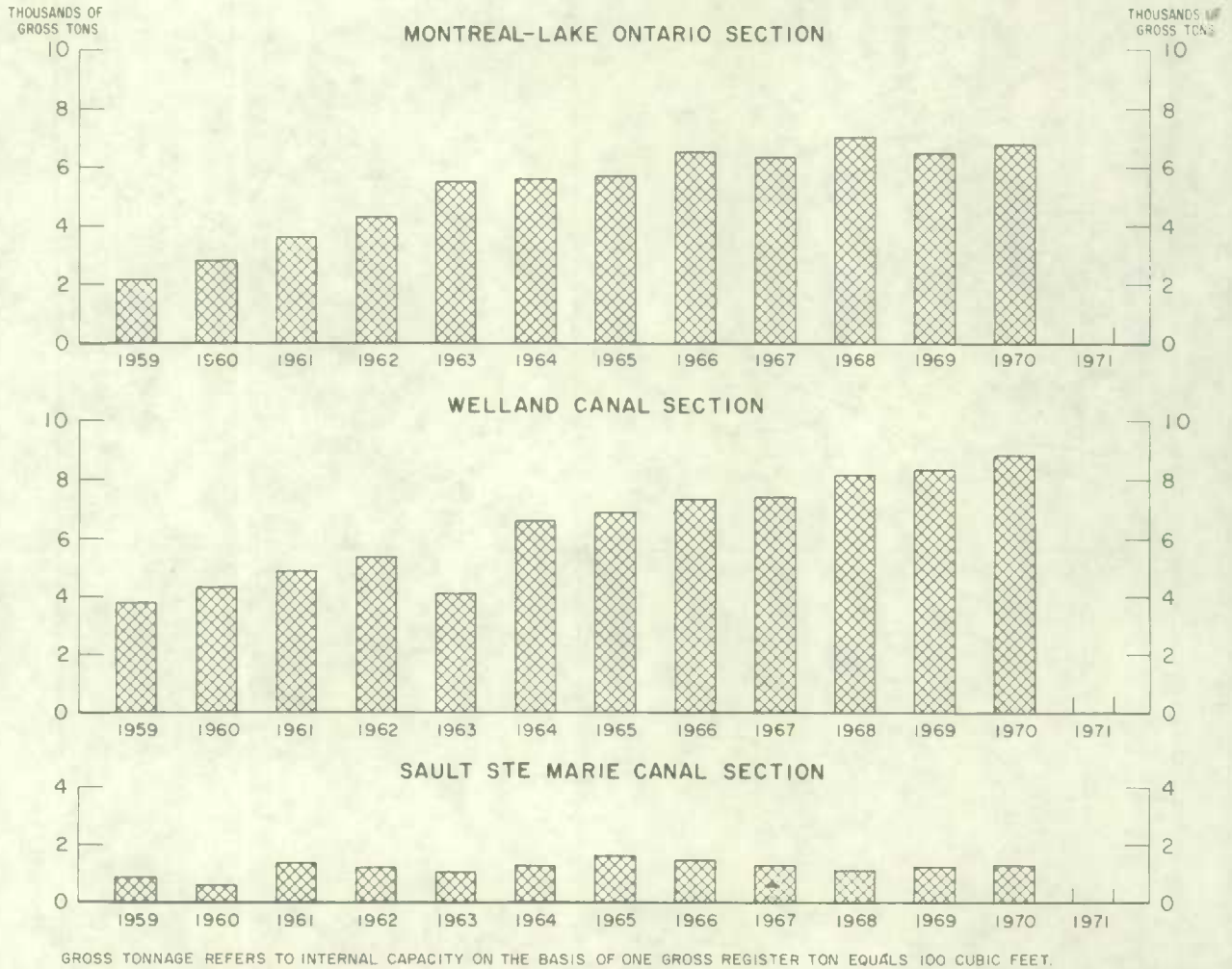
VESSEL TRAFFIC THROUGH WELLAND, ST. LAWRENCE AND SAULT STE. MARIE CANALS, 1950-1969



DIRECTION OF TRAFFIC THROUGH THE THREE SECTIONS OF THE ST. LAWRENCE SEAWAY



AVERAGE VESSEL GROSS TONNAGE THROUGH THE THREE SECTIONS OF THE ST. LAWRENCE SEAWAY



PROFILE OF LOCK SIZE

(THE OPENING DATES FOR THE FOUR PHASES OF THE WELLAND CANAL)

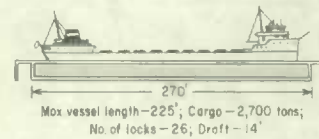
FIRST - 1829



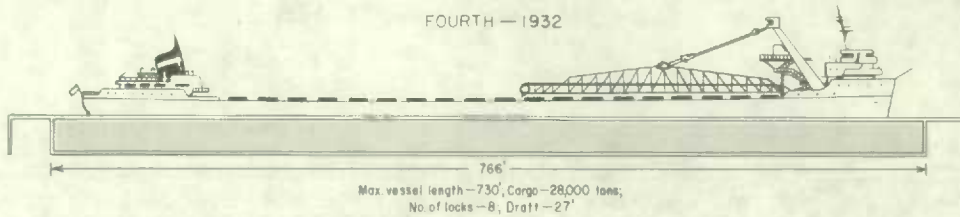
SECOND - 1845



THIRD - 1887



FOURTH - 1932



SECTION I
SUMMARY FOR ALL CANALS

SECRET
NO FOREIGN DISSEM

TABLE 1. Number of Vessel Transits and Passengers Through Canadian Canals, by Registry of Vessel, and by Canal, 1970 and 1969

Country of registry	St. Lawrence ¹	Welland	Sault Ste. Marie	Canso	Other	Total	
						1970	1969
Canada	3,945	4,655	1,691	1,136	1,446	12,873	12,324
United States	512	422	1,402	63	27	2,426	2,503
United Kingdom ²	415	530	—	51	—	996	1,179
Other	1,844	1,593	6	96	—	3,539	3,704
Totals	6,716	7,200	3,099	1,346	1,473	19,834	19,710
Passengers.....	3,241	668	202,241	5	30,755	236,910	209,789

¹ Includes 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, 1970 and 1969

Country of registry	St. Lawrence ¹	Welland	Sault Ste. Marie	Canso	Other	Total	
						1970	1969
Canada	20,609,470	34,824,475	2,416,786	1,180,029	108,557	59,139,317	50,864,524
United States	293,042	886,635	154,110	27,146	546	1,361,479	1,719,253
United Kingdom ²	1,688,575	2,463,572	—	44,074	—	4,196,221	4,824,414
Other	8,757,026	7,812,075	12,032	129,983	—	16,711,116	17,199,095
Totals	31,348,113	45,986,757	2,582,928	1,381,232	109,103	81,408,133	74,607,286

¹ Includes 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, 1970 and 1969

Commodity sections	St. Lawrence ¹	Welland	Sault Ste. Marie	Canso	Other	Total	
						1970	1969
Live animals	6	—	—	2	2	10	—
Food, feed, beverages and tobacco.....	17,737,221	18,412,478	108,234	184,413	1,122	36,443,468	24,097,717
Crude materials, inedible.....	21,590,670	34,808,678	124,617	167,213	—	56,691,178	50,226,414
Fabricated materials, inedible.....	10,958,219	8,972,917	573,129	1,073,392	13,461	21,591,118	20,492,704
End products, inedible	356,572	276,088	—	2,843	132	635,635	803,608
Miscellaneous freight, n.e.s.	158,332	76,720	85,554	41,552	182	362,340	408,004
Domestic package freight.....	395,566	418,629	460,482	—	—	1,274,677	1,328,787
Totals	51,196,586	62,965,510	1,352,016	1,469,415	14,899	116,998,426	97,357,234

¹ Includes traffic through the Lachine and Cornwall Canals.

TABLE 4. Cargo Tonnage Through Canadian Canals, by Registry of Vessel, and by Canal, 1970 and 1969

Country of registry	St. Lawrence ¹	Welland	Sault Ste. Marie	Canso	Other	Total	
						1970	1969
Canada.....	36,325,236	47,758,298	1,272,450	1,255,817	14,899	86,626,700	66,583,957
United States	239,609	958,042	79,566	17,040	—	1,294,257	1,478,377
United Kingdom ²	2,571,886	3,651,487	—	58,542	—	6,281,915	6,634,517
Other	12,059,855	10,597,683	—	138,016	—	22,795,554	22,660,383
Totals	51,196,586	62,965,510	1,352,016	1,469,415	14,899	116,998,426	97,357,234

¹ Includes traffic through the Lachine and Cornwall Canals.
² Includes other British Commonwealth.

TABLE 5. 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		
Lake Superior	—	18,123,567 ³	1,937,909 ⁵	51,485,330 ⁵	4,757,713	12,203,168	2,547,070	91,054,757
Lake Michigan	812,847	...	...	...	403,992	1,704,973	3,222,425	6,144,237
Lake Huron	2,681,787	...	...	...	290,733	401,909	201,012	3,575,441
Lake Erie ²	5,983,824	...	...	...	11,743,136	2,215,819	2,073,816	22,016,595
Lake Ontario ³	312,469	132,556	31,693	2,073,346	53,450	880,647	665,312	4,149,473
St. Lawrence River	5,490	4,210,396	37,671	8,848,997	5,570,246	125,008	—	18,797,808
Other than the Great Lakes and the St. Lawrence River ⁴	64,308	1,813,924	5,829	2,872,046	1,555,123	57,000	—	6,368,230
Totals	9,860,725	24,280,443	2,013,102	65,279,719	24,374,393	17,588,524	8,709,635	152,106,541

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 Includes data obtained from United States Corps of Engineers' preliminary report of "Interlake Traffic", for the American Sault Ste. Marie Canal.

TABLE 6. Cargo Tonnage Through Canadian Canal Networks, Excluding Duplications, by Selected Commodity¹

Canal network	Corn	Wheat	Iron ore	Iron and steel scrap	Bituminous coal	News-print	Fuel oil	Other	1970 total	1969 total
tons										
Upbound:										
St. Lawrence only	—	—	2,830,790	—	—	13,678	2,204,946	1,762,831	6,812,245	6,024,660
St. Lawrence and Welland	—	—	11,974,567	—	—	116,671	735,902	5,598,790	18,425,930	16,430,008
St. Lawrence, Welland and Sault Ste. Marie ²	—	—	—	—	—	—	—	9,097	9,097	10,241
Welland only	—	—	517,794	—	—	129,140	370,603	1,500,630	2,518,167	2,696,754
Welland and Sault Ste. Marie ²	—	—	—	—	—	—	2,522	205,321	207,843	225,371
Sault Ste. Marie only ²	—	—	—	—	—	—	205,146	204,354	409,500	423,844
Totals	—	—	15,323,151	—	—	259,489	3,519,119	9,281,023	28,382,782	25,811,178
Downbound:										
St. Lawrence only	12,633	276,138	733	76,286	10,750	507	167,847	1,001,628	1,546,522	1,361,133
St. Lawrence and Welland	2,847,074	7,859,334	308,187	884,227	317,928	14,366	59,107	12,087,912	24,378,135	17,197,411
St. Lawrence, Welland and Sault Ste. Marie ²	—	9,438	—	—	—	—	—	15,219	24,657	43,923
Welland only	168,870	806,642	3,241,012	4,450	10,454,275	—	268,445	2,297,963	17,241,657	16,822,437
Welland and Sault Ste. Marie ²	—	6,163	—	—	—	—	6,508	147,353	160,024	147,994
Sault Ste. Marie only ²	—	7,361	—	—	—	58,318	12,910	462,306	540,895	576,169
Totals	3,028,577	8,965,076	3,549,932	964,963	10,782,953	73,191	514,817	16,012,381	43,891,890	36,149,057
Grand Totals	3,028,577	8,965,076	18,873,083	964,963	10,782,953	332,680	4,033,936	25,293,404	72,274,672	61,960,235

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 7. 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	5	88	—	1,424	58	58	63	1,570
Welland section	200	89	—	—	—	58	200	147
Sault Ste. Marie section	4,646	—	—	9,327	—	—	4,646	9,327
Totals	4,851	177	—	10,751	58	116	4,909	11,044
	Downbound							
	Canada to			United States to			Total to	
	Canada	United States	Other countries	Canada	United States	Other countries	Canada	United States
	number							
St. Lawrence section	7	—	7	89	1,435	70	96	1,435
Welland section	200	—	—	51	—	70	251	70
Sault Ste. Marie section	28,663	—	—	—	159,605	—	28,663	159,605
Totals	28,870	—	7	140	161,040	140	29,010	161,040

TABLE 8. CARGO TONNAGE THROUGH THE ST. LAWRENCE AND / OR WELLAND CANALS, LOADED & UNLOADED AT SPECIFIED CANADIAN OR U.S.A. PORTS.

Table with 10 columns: PORT, LOADED (BULK, GENERAL, TOTAL), UNLOADED (BULK, GENERAL, TOTAL), and TOTAL (BULK, GENERAL, TOTAL). Rows include locations like THUNDER BAY, SARNIA, and CHICAGO.

SEE FOOTNOTE BELOW TABLE 9

TABLE 9. CARGO TONNAGE THROUGH THE CANADIAN SAULT STE. MARIE ONLY, LOADED & UNLOADED AT SPECIFIED CANADIAN AND UNITED STATES PORTS

PORT	LOADED			UNLOADED			TOTAL		
	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL
IN CANADA.									
THUNDER BAY	158,961	138,058	297,019	368,449	361	368,810	527,410	138,419	665,829
OTHER CANADIAN LAKE SUPERIOR	349,860	26,134	375,994	230,624	2,053	232,677	580,484	28,187	608,671
GODERICH	8,540		8,540	4,043		4,043	12,583		12,583
OTHER CANADIAN LAKE HURON	41,734		41,734	99,449		99,449	141,183		141,183
OTHER GEORGIAN BAY				4,304		4,304	4,304		4,304
SARNIA	212,899		212,899	21,737		21,737	234,636		234,636
WINDSOR	76,055		76,055	26,384		26,384	102,439		102,439
CANADIAN ST. CLAIR LAKE AND RIVER AND DETROIT RIVER	31,165		31,165	266		266	31,431		31,431
OTHER LAKE ERIE PORTS				4,660		4,660	4,660		4,660
TOTALS	979,214	164,192	1,043,406	759,916	2,414	762,330	1,539,130	166,606	1,805,736
IN UNITED STATES.									
SUPERIOR	52,563		52,563	2,020		2,020	54,583		54,583
OTHER U.S. LAKE SUPERIOR				22,933		22,933	22,933		22,933
CHICAGO	22,188		22,188	6,321	11,814	18,135	28,509	11,814	40,323
GARY				4,575		4,575	4,575		4,575
MILWAUKEE				15,298	34,815	50,113	15,298	34,815	50,113
OTHER U.S. LAKE MICHIGAN	7,629		7,629	182,991	9,780	192,771	190,620	9,780	200,400
UNITED STATES LAKE HURON	3,395	19	3,414		8,184	8,184	3,395	8,203	11,598
DETROIT		2,241	2,241	3,600	67,003	70,603	3,600	69,244	72,844
ASHTABULA		50	50		9,551	9,551		9,601	9,601
TOLEDO	3,481	104	3,585	1,194	22,046	23,240	4,675	22,150	26,825
OTHER U.S. LAKE ERIE				2,880		2,880	2,880		2,880
ALL OTHER	216,940		216,940	183,682	999	184,681	400,622	999	401,621
TOTALS	306,196	2,414	308,610	425,494	164,192	589,686	731,690	166,606	898,296
GRAND TOTALS	1,185,410	166,606	1,352,016	1,185,410	166,606	1,352,016	2,270,820	333,212	2,704,032

FOOTNOTE: THIS TABLE EXCLUDES DUPLICATION THROUGH MORE THAN ONE CANAL. FURTHER, TOTAL LOADED IN CANADA, U.S.A. AND OTHER COUNTRIES EQUALS TOTAL UNLOADINGS IN THE THREE.

SECTION II

THE MONTREAL - LAKE ONTARIO SECTION
OF THE ST. LAWRENCE SEAWAY

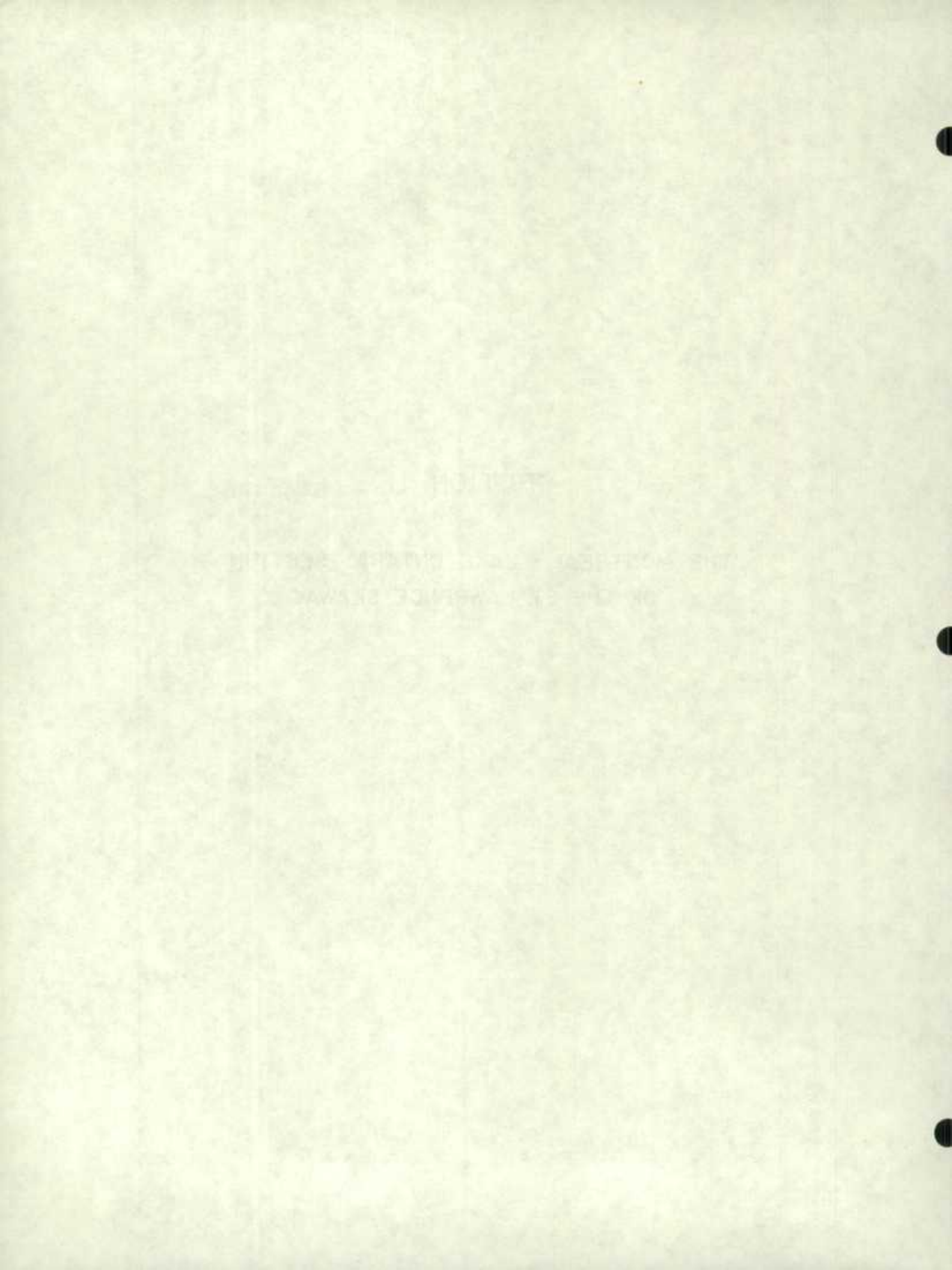


TABLE 1. NUMBER AND TONNAGE OF VESSELS, CARGO TONNAGE, AND PASSENGERS THROUGH THE ST. LAWRENCE CANALS BY KIND OF VESSEL.

KIND OF VESSEL	NUMBER OF VESSELS			REGISTERED NET TONS	GROSS TONS	CARGO TONS	NUMBER OF PASSENGERS
	IN BALLAST	WITH CARGO	TOTAL				
UPBOUND.							
CARGO	441	1,832	2,273	13,791,370	19,657,493	21,449,141	1,628
SCOW, BARGE, ETC	1		1	616	616		
TANKER	18	640	658	1,810,874	2,835,508	3,771,083	
TUG OR DREDGE	95		95	201	14,353		
TUG AND SCOW	55	14	69	52,568	55,784	27,048	
NAVAL OR GOVERNMENT	197		197	7,363	57,619		5
OTHER	51		51	243	10,589		
TOTAL	858	2,486	3,344	15,663,235	22,631,962	25,247,272	1,633
DOWNBOUND.							
CARGO	247	2,024	2,271	13,762,167	19,706,242	25,267,291	1,488
SCOW, BARGE, ETC	1		1	2	2		
TANKER	558	113	671	1,855,856	2,919,643	667,508	
TUG OR DREDGE	91		91	280	13,213		
TUG AND SCOW	66	7	73	60,807	62,452	14,515	
NAVAL OR GOVERNMENT	213		213	5,522	62,104		5
OTHER	52		52	244	7,180		115
TOTAL	1,228	2,144	3,372	15,684,878	22,770,836	25,949,314	1,608
GRAND TOTALS	2,086	4,630	6,716	31,348,113	45,402,798	51,196,586	3,241

TABLE 2. NUMBER AND TONNAGE OF VESSELS, CARGO TONNAGE, AND PASSENGERS THROUGH THE ST. LAWRENCE CANALS BY REGISTRY OF VESSEL.

COUNTRY OF REGISTRY	NUMBER OF VESSELS			REGISTERED NET TONS	GROSS TONS	CARGO TONS	NUMBER OF PASSENGERS
	IN BALLAST	WITH CARGO	TOTAL				
UPBOUND							
CANADA	466	1,501	1,967	10,302,408	13,451,585	18,824,140	5
UNITED STATES	227	19	246	135,797	207,211	110,413	1,424
UNITED KINGDOM	20	135	155	603,408	1,105,940	870,908	11
OTHER BRITISH COMMONWEALTH	7	47	54	244,296	419,394	339,662	
BELGIUM		5	5	43,867	57,528	79,619	
DENMARK		17	17	103,306	179,153	202,953	
FINLAND	1		1	1,320	2,847		
FRANCE	9	41	50	304,627	513,481	461,853	
GERMANY	20	192	212	637,262	1,067,892	671,541	63
GREECE	18	56	74	362,481	608,176	418,362	
ITALY	6	34	40	211,623	382,343	316,683	
NETHERLANDS	7	5	12	55,054	101,495	46,743	
NORWAY	21	169	190	910,575	1,626,111	966,991	28
SWEDEN	6	21	27	122,050	199,867	54,454	13
SPAIN	3	10	13	46,059	73,772	47,016	
YUGOSLAVIA	13	15	28	124,610	214,722	95,459	89
OTHER EUROPEAN COUNTRIES	3	43	46	138,147	262,539	76,614	
PANAMA	2	4	6	29,035	50,476	31,248	
SOUTH AMERICAN COUNTRIES		5	5	25,818	36,625	12,765	
MIDDLE EAST COUNTRIES	6	14	20	123,344	209,294	118,438	
JAPAN	2	41	43	228,755	386,898	278,609	
LIBERIA	21	112	133	909,393	1,474,613	1,222,801	
TOTAL	858	2,486	3,344	15,663,235	22,631,962	25,247,272	1,633
DOWNBOUND							
CANADA	870	1,108	1,978	10,307,062	13,491,060	17,501,096	45
UNITED STATES	251	15	266	157,245	251,608	129,196	1,435
UNITED KINGDOM	24	129	153	597,552	1,094,265	1,110,829	
OTHER BRITISH COMMONWEALTH	14	39	53	243,319	416,560	250,487	
BELGIUM		7	7	61,101	79,782	88,147	
DENMARK	1	16	17	100,035	179,153	188,574	
FINLAND		1	1	1,320	2,847	2,352	
FRANCE	1	49	50	310,581	511,492	578,504	
GERMANY	7	204	211	631,143	1,140,347	1,055,713	75
GREECE	4	70	74	371,718	621,039	609,565	
ITALY	4	36	40	207,952	378,075	348,499	
NETHERLANDS	1	11	12	55,054	101,495	99,987	
NORWAY	25	167	192	924,392	1,645,027	1,583,250	
SWEDEN	1	24	25	116,250	189,563	132,842	
SPAIN		12	12	35,371	58,404	52,129	
YUGOSLAVIA	3	27	30	129,525	223,741	237,040	53
OTHER EUROPEAN COUNTRIES	2	44	46	136,629	263,574	126,500	
PANAMA	1	5	6	29,130	50,476	49,568	
SOUTH AMERICAN COUNTRIES		5	5	25,802	36,625	9,647	
MIDDLE EAST COUNTRIES		21	21	125,337	213,513	191,759	
JAPAN		41	41	215,754	364,413	220,586	
LIBERIA	19	113	132	902,606	1,457,777	1,383,044	
TOTAL	1,228	2,144	3,372	15,684,878	22,770,836	25,949,314	1,608
GRAND TOTALS	2,086	4,630	6,716	31,348,113	45,402,798	51,196,586	3,241

TABLE 3. NUMBER AND TONNAGE OF VESSELS, CARGO TONNAGE, AND PASSENGERS THROUGH THE ST. LAWRENCE CANALS BY LENGTH OF VESSEL.

LENGTH OF VESSEL	NUMBER OF VESSELS			REGISTERED NET TONS	GROSS TONS	CARGO TONS	NUMBER OF PASSENGERS
	IN BALLAST	WITH CARGO	TOTAL				
UPBOUND.							
UNDER 80 FEET	281	2	283	3,019	8,083	715	1,429
80 TO 119 FEET	126	7	133	3,367	20,946	1,106	
120 TO 159 FEET	41	25	66	17,665	31,879	8,869	
160 TO 199 FEET	23	12	35	8,557	31,370	7,577	
200 TO 239 FEET	9	4	13	10,096	21,617	8,109	
240 TO 279 FEET	72	295	367	525,259	799,787	964,857	
280 TO 319 FEET	11	80	91	138,254	222,201	250,577	
320 TO 359 FEET	18	267	285	613,460	987,513	1,241,810	27
360 TO 399 FEET	32	219	251	639,096	1,025,762	1,116,843	27
400 TO 439 FEET	22	227	249	812,258	1,305,484	951,897	14
440 TO 479 FEET	43	158	201	831,281	1,349,523	821,220	80
480 TO 519 FEET	47	253	300	1,495,143	2,656,949	1,778,173	54
520 TO 559 FEET	26	216	242	1,520,171	2,354,692	2,235,909	2
560 TO 599 FEET	8	108	116	916,331	1,478,757	1,394,842	
600 TO 639 FEET	23	129	152	1,188,970	1,614,186	1,939,794	
640 TO 679 FEET	11	61	72	709,712	960,750	1,244,450	
680 TO 759 FEET	65	423	488	6,230,596	7,762,463	11,280,524	
TOTAL	858	2,486	3,344	15,663,235	22,631,962	25,247,272	1,633
DOWNBOUND.							
UNDER 80 FEET	280	1	281	1,977	5,963	35	1,330
80 TO 119 FEET	144	1	145	5,532	24,636	8,000	150
120 TO 159 FEET	53	15	68	20,660	33,590	7,373	
160 TO 199 FEET	26	13	39	8,856	31,919	7,821	
200 TO 239 FEET	11	2	13	9,530	19,541	4,608	
240 TO 279 FEET	226	145	371	529,399	810,470	515,169	
280 TO 319 FEET	32	64	96	144,876	234,595	197,890	
320 TO 359 FEET	180	97	277	586,771	942,148	344,560	8
360 TO 399 FEET	101	150	251	634,751	1,021,131	646,278	12
400 TO 439 FEET	55	198	253	830,781	1,328,507	927,883	
440 TO 479 FEET	9	191	200	828,219	1,423,848	1,340,513	41
480 TO 519 FEET	11	289	300	1,488,427	2,645,910	2,506,455	67
520 TO 559 FEET	40	208	248	1,559,988	2,415,152	2,562,557	
560 TO 599 FEET	37	77	114	897,762	1,448,346	1,160,843	
600 TO 639 FEET	7	149	156	1,228,678	1,662,450	2,254,320	
640 TO 679 FEET	1	71	72	709,712	960,750	1,348,441	
680 TO 759 FEET	15	473	488	6,198,958	7,755,880	12,116,958	
TOTAL	1,228	2,144	3,372	15,684,878	22,770,826	25,949,314	1,630
GRAND TOTALS	2,086	4,630	6,716	31,348,113	45,402,788	51,196,586	3,263

TABLE 4A. NUMBER AND TONNAGE OF VESSELS UPBOUND THROUGH THE ST. LAWRENCE CANALS BY REGISTRY OF VESSEL, ORIGIN AND DESTINATION.

ORIGIN AND COUNTRY OF REGISTRY	CANADA			DESTINED TO UNITED STATES			TOTAL		
	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS
ST. LAWRENCE RIVER PORTS									
COUNTRY OF REGISTRY									
CANADA	1,130	4,102,128	5,561,275	787	6,095,297	7,734,571	1,917	10,197,425	13,295,846
UNITED STATES	2	2	675	230	64,926	96,155	232	64,928	96,830
UNITED KINGDOM	1	1	38				1	1	38
OTHER COMMONWEALTH COUNTRIES				6	24,600	31,307	6	24,600	31,307
GREECE				2	13,244	22,412	2	13,244	22,412
NORWAY				2	8,418	21,732	2	8,418	21,732
LIBERIA				8	52,640	86,231	8	52,640	86,231
TOTAL	1,133	4,102,131	5,561,988	1,035	6,259,125	7,992,408	2,168	10,361,256	13,554,396
OTHER THAN ST. LAWRENCE RIVER PORTS									
COUNTRY OF REGISTRY									
CANADA	31	56,883	83,182	19	48,100	72,557	50	104,983	155,739
UNITED STATES				14	70,869	110,381	14	70,869	110,381
UNITED KINGDOM	35	105,928	179,516	119	497,479	926,386	154	603,407	1,105,902
OTHER COMMONWEALTH COUNTRIES	19	94,281	167,461	29	125,415	220,626	48	215,696	388,087
BELGIUM				5	43,867	57,528	5	43,867	57,528
DENMARK	2	8,459	11,884	15	94,847	167,269	17	103,306	179,153
FINLAND	1	1,320	2,847				1	1,320	2,847
FRANCE	4	16,886	31,654	46	287,741	481,827	50	304,627	513,481
GERMANY	17	51,183	82,353	195	586,079	985,539	212	637,262	1,067,892
GREECE	8	39,585	67,253	64	309,652	518,511	72	349,237	585,764
ITALY	9	53,199	92,611	31	158,424	289,732	40	211,623	382,343
NETHERLANDS	5	21,429	38,213	7	33,625	63,282	12	55,054	101,499
NORWAY	43	127,851	239,443	145	774,306	1,364,936	188	902,157	1,604,379
SWEDEN	9	38,852	71,638	18	83,198	128,229	27	122,050	199,897
SPAIN	2	2,906	5,429	11	43,153	68,343	13	46,059	73,772
YUGOSLAVIA				28	124,610	214,722	28	124,610	214,722
OTHER EUROPEAN COUNTRIES	37	86,041	173,559	9	52,106	88,980	46	138,147	262,339

TABLE 4A. NUMBER AND TONNAGE OF VESSELS UPBOUND THROUGH THE ST. LAWRENCE CANALS BY REGISTRY OF VESSEL, ORIGIN AND DESTINATION.

ORIGIN AND COUNTRY OF REGISTRY	CANADA			DESTINED TO UNITED STATES			TOTAL		
	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS
PANAMA	1	3,249	6,505	5	25,786	43,971	6	25,035	50,476
SOUTH AMERICAN COUNTRIES				5	25,818	36,625	5	25,818	36,625
MIDDLE EAST COUNTRIES				20	123,344	209,294	20	123,344	209,294
JAPAN	3	17,722	30,013	40	211,033	356,785	43	228,755	386,898
LIBERIA	26	186,399	313,124	99	670,354	1,075,258	125	856,753	1,388,982
TOTAL	252	912,173	1,596,685	924	4,389,806	7,480,681	1,176	5,301,979	9,077,566
GRAND TOTALS	1,385	5,014,304	7,158,673	1,959	10,648,931	15,473,289	3,344	15,663,235	22,631,962

TABLE 4B. NUMBER AND TONNAGE OF VESSELS DOWNBOUND THROUGH THE ST. LAWRENCE CANALS BY REGISTRY OF VESSEL, ORIGIN AND DESTINATION.

DESTINATION AND COUNTRY OF REGISTRY	CANADA			ORIGINATING IN UNITED STATES			TOTAL		
	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS
ST. LAWRENCE RIVER PORTS									
COUNTRY OF REGISTRY									
CANADA	1,400	6,629,978	8,765,251	529	3,519,855	4,497,647	1,929	10,149,833	13,262,898
UNITED STATES	3	3	813	229	73,188	103,625	232	73,191	104,438
UNITED KINGDOM				1	6,663	11,687	1	6,663	11,687
OTHER COMMONWEALTH COUNTRIES	3	13,334	19,622	4	16,894	21,429	7	30,228	41,051
GERMANY				1	2,478	3,345	1	2,478	3,345
PANAMA	1	3,349	6,505				1	3,349	6,505
TOTAL	1,407	6,646,664	8,792,191	764	3,619,078	4,637,733	2,171	10,265,742	13,429,924
OTHER THAN ST. LAWRENCE RIVER PORTS									
COUNTRY OF REGISTRY									
CANADA	47	153,141	220,203	2	4,088	7,959	49	157,229	228,162
UNITED STATES				34	84,054	147,170	34	84,054	147,170
UNITED KINGDOM	39	127,603	217,655	113	463,286	864,923	152	590,889	1,082,578
OTHER COMMONWEALTH COUNTRIES	18	85,628	151,841	28	127,463	223,668	46	213,091	375,509
BELGIUM	1	9,399	13,020	6	51,702	66,762	7	61,101	79,782
DENMARK	4	28,627	52,775	13	71,408	126,378	17	100,035	179,153
FINLAND	1	1,320	2,847				1	1,320	2,847
FRANCE	3	13,083	24,545	47	297,498	486,947	50	310,581	511,492
GERMANY	31	108,334	170,386	179	520,331	966,616	210	628,665	1,137,002
GREECE	10	44,355	76,910	64	327,363	544,129	74	371,718	621,039
ITALY	14	81,766	144,069	26	126,186	234,006	40	207,952	378,075
NETHERLANDS	5	21,429	38,213	7	33,625	63,282	12	55,054	101,495
NORWAY	49	150,097	277,593	143	774,295	1,367,434	192	924,392	1,645,027
SWEDEN	8	34,243	63,335	17	82,007	126,228	25	116,250	189,563
SPAIN	2	2,906	5,430	10	32,465	52,474	12	35,371	58,404
YUGOSLAVIA				30	129,525	223,741	30	129,525	223,741
OTHER EUROPEAN COUNTRIES	38	91,781	184,119	8	44,848	79,455	46	136,629	263,574
PANAMA	1	3,249	6,504	4	22,532	37,467	5	25,781	43,971
SOUTH AMERICAN COUNTRIES				5	25,802	36,625	5	25,802	36,625
MIDDLE EAST COUNTRIES				21	125,337	213,513	21	125,337	213,513
JAPAN	3	17,771	29,466	38	197,983	334,947	41	215,754	364,413
LIBERIA	34	251,588	416,778	98	651,018	1,040,999	132	902,606	1,457,777
TOTAL	308	1,226,320	2,095,689	893	4,192,816	7,245,223	1,201	5,419,136	9,340,912
GRAND TOTALS	1,715	7,872,984	10,887,880	1,657	7,811,894	11,882,956	3,372	15,684,878	22,770,836

TABLE 5. NUMBER AND TONNAGE OF VESSELS THROUGH THE ST. LAWRENCE CANALS BY REGISTRY OF VESSEL AND BY REG.

COUNTRY OF REGISTRY	STEAM			MOTOR			OTHER			TOTAL		
	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS
UPBOUND.												
CANADA	827	6,080,661	7,857,026	1,094	4,193,797	5,564,833	46	27,950	29,726	1,967	10,302,408	13,451,585
UNITED STATES	7	33,073	46,943	215	77,490	133,594	24	25,234	26,674	246	135,797	207,211
UNITED KINGDOM	4	12,598	25,050	151	590,810	1,080,890				155	603,408	1,105,940
OTHER BRITISH COMMONWEALTH	9	28,962	39,434	45	215,334	379,960				54	244,296	419,394
BELGIUM	2	3,598	5,220	3	40,269	52,308				5	43,867	57,528
DENMARK				17	103,306	179,153				17	103,306	179,153
FINLAND				1	1,320	2,847				1	1,320	2,847
FRANCE				50	304,627	513,481				50	304,627	513,481
GERMANY	2	6,355	10,592	210	630,907	1,056,900				212	637,262	1,067,892
GREECE	4	11,720	20,025	70	350,761	588,151				74	362,481	608,176
ITALY				40	211,623	382,343				40	211,623	382,343

TABLE 5. NUMBER AND TONNAGE OF VESSELS THROUGH THE ST. LAWRENCE CANALS BY REGISTRY OF VESSEL AND BY RIG.

COUNTRY OF REGISTRY	STEAM			MOTOR			OTHER			TOTAL		
	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS
NETHERLANDS				12	55,054	101,495				12	55,054	101,495
NORWAY				190	910,575	1,626,111				190	910,575	1,626,111
SWEDEN				27	122,050	199,867				27	122,050	199,867
SPAIN				13	46,059	73,772				13	46,059	73,772
YUGOSLAVIA				28	124,610	214,722				28	124,610	214,722
OTHER EUROPEAN	2	3,154	6,770	44	134,993	255,769				46	138,147	262,539
PANAMA	1	4,645	7,645	5	24,390	42,831				6	29,035	50,476
SOUTH AMERICAN				5	25,818	36,625				5	25,818	36,625
MIDDLE EAST	1	6,323	10,320	19	117,021	198,974				20	123,344	209,294
JAPAN				43	228,755	386,898				43	228,755	386,898
LIBERIA	16	127,870	216,474	117	781,523	1,258,139				133	905,393	1,474,613
TOTAL	875	6,318,959	8,245,859	2,399	9,291,092	14,329,663	70	53,184	56,400	3,344	15,663,235	22,631,962
DOWNBOUND.												
CANADA	836	6,143,885	7,542,250	1,093	4,127,417	5,512,845	49	35,760	35,565	1,978	10,307,062	13,491,060
UNITED STATES	7	28,842	42,334	234	103,354	181,785	25	25,049	26,489	266	157,245	251,608
UNITED KINGDOM	6	21,856	40,459	147	575,696	1,053,806				153	597,552	1,094,265
COMMONWEALTH												
OTHER BRITISH	9	28,962	35,434	44	214,357	377,126				53	243,319	416,560
BELGIUM				7	61,101	79,782				7	61,101	79,782
DENMARK				17	100,035	179,153				17	100,035	179,153
FINLAND				1	1,320	2,847				1	1,320	2,847
FRANCE				50	310,581	511,492				50	310,581	511,492
GERMANY	1	1,477	2,411	210	629,666	1,137,936				211	631,143	1,140,347
GREECE	2	8,409	14,694	72	363,309	606,345				74	371,718	621,039
ITALY				40	207,952	378,075				40	207,952	378,075
NETHERLANDS				12	55,054	101,495				12	55,054	101,495
NORWAY				192	924,392	1,645,027				192	924,392	1,645,027
SWEDEN				25	116,250	189,563				25	116,250	189,563
SPAIN				12	35,371	58,404				12	35,371	58,404
YUGOSLAVIA				30	129,525	223,741				30	129,525	223,741
OTHER EUROPEAN	1	3,219	6,329	45	133,410	257,245				46	136,629	263,974
PANAMA				6	29,130	50,476				6	29,130	50,476
SOUTH AMERICAN				5	25,802	36,625				5	25,802	36,625
MIDDLE EAST				21	125,337	213,513				21	125,337	213,513
JAPAN				41	215,754	364,413				41	215,754	364,413
LIBERIA	14	111,248	189,450	118	791,358	1,268,327				132	902,606	1,457,177
TOTAL	876	6,347,898	8,278,361	2,422	9,276,171	14,430,021	74	60,809	62,454	3,372	15,684,878	22,770,836
GRAND TOTALS	1,751	12,666,857	16,524,260	4,821	18,567,263	28,759,684	144	113,993	118,854	6,716	31,348,113	45,402,798

TABLE 6. NUMBER AND TONNAGE OF VESSELS THROUGH THE ST. LAWRENCE CANALS BY KIND AND LENGTH.

KIND AND LENGTH OF VESSEL	UPBOUND			DOWNBOUND			TOTAL		
	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS
CARGO VESSEL.									
UNDER 80 FEET	84	1,149	2,672	77	75	847	161	1,224	3,519
80 TO 119 FEET	6	800	1,181	10	804	1,577	16	1,604	2,758
120 TO 159 FEET	32	7,696	13,644	31	7,500	13,192	63	15,196	26,836
160 TO 199 FEET	15	5,178	9,558	16	5,415	10,008	31	10,593	19,566
200 TO 239 FEET	2	1,270	2,184	2	1,270	2,184	4	2,540	4,368
240 TO 279 FEET	138	207,429	298,691	138	207,314	298,691	276	414,743	597,382
280 TO 319 FEET	69	99,981	167,709	70	103,107	171,654	139	203,088	339,363
320 TO 359 FEET	114	222,988	377,829	112	211,299	359,711	226	434,287	737,540
360 TO 399 FEET	138	294,324	511,668	137	287,943	502,058	275	582,267	1,013,726
400 TO 439 FEET	173	551,844	915,670	179	577,031	949,071	352	1,128,875	1,864,741
440 TO 479 FEET	198	821,294	1,331,868	196	815,213	1,399,193	394	1,636,507	2,730,061
480 TO 519 FEET	291	1,451,951	2,578,890	290	1,440,197	2,558,851	581	2,892,148	5,137,741
520 TO 559 FEET	212	1,308,333	2,003,546	213	1,316,974	2,010,429	425	2,625,307	4,013,975
560 TO 599 FEET	94	744,335	1,183,424	91	718,214	1,139,898	185	1,462,549	2,323,322
600 TO 639 FEET	147	1,132,490	1,535,746	150	1,162,840	1,575,652	297	2,295,330	3,111,398
640 TO 679 FEET	72	709,712	960,750	72	709,712	960,750	144	1,419,424	1,921,500
680 TO 759 FEET	488	6,230,596	7,762,463	487	6,197,259	7,753,476	975	12,427,855	15,515,940
TOTALS	2,273	13,791,370	19,657,493	2,271	13,762,167	19,706,242	4,544	27,553,537	39,363,739
BARGE OR SCOW.									
UNDER 80 FEET				1	2		2	2	
120 TO 159 FEET	1	616	616				1	616	616
TOTALS	1	616	616	1	2		2	618	616

TABLE 6. NUMBER AND TONNAGE OF VESSELS THROUGH THE ST. LAWRENCE CANALS BY KIND AND LENGTH.

KIND AND LENGTH OF VESSEL	UPBOUND			DOWNBOUND			TOTAL		
	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS
TANKER.									
200 TO 239 FEET				1	1	1,200	1	1	1,200
240 TO 279 FEET	213	293,100	467,914	220	304,030	484,071	433	597,130	951,985
280 TO 319 FEET	21	36,426	50,313	23	39,290	56,311	44	75,716	106,624
320 TO 359 FEET	167	384,640	595,988	162	371,970	572,071	329	756,610	1,168,059
360 TO 399 FEET	112	342,801	510,846	113	344,837	515,825	225	687,638	1,026,671
400 TO 439 FEET	76	260,414	389,814	74	253,750	379,436	150	514,164	769,250
440 TO 479 FEET	3	9,987	17,655	4	13,006	25,655	7	22,993	43,310
480 TO 519 FEET	9	43,192	78,059	10	48,230	87,059	19	91,422	165,118
520 TO 559 FEET	30	211,838	351,146	35	243,014	408,723	65	454,852	759,869
560 TO 599 FEET	22	171,996	295,333	23	179,549	308,448	45	351,545	603,781
600 TO 639 FEET	5	56,480	78,440	5	56,480	78,440	10	112,960	156,880
680 TO 759 FEET				1	1,699	2,404	1	1,699	2,404
TOTALS	658	1,810,874	2,835,508	671	1,855,856	2,919,643	1,329	3,666,730	5,755,151
TUG OR DREDGE.									
UNDER 80 FEET	23	122	752	27	27	872	50	149	1,624
80 TO 119 FEET	70	77	12,728	62	251	11,417	132	328	24,145
120 TO 159 FEET	2	2	873	2	2	924	4	4	1,797
TOTALS	95	201	14,353	91	280	13,213	186	481	27,566
TUG AND SCOW.									
UNDER 80 FEET	16	1,588	1,634	14	1,689	1,689	30	3,277	3,323
80 TO 119 FEET	10	2,443	2,443	17	4,421	4,626	27	6,864	7,069
120 TO 159 FEET	18	9,338	12,508	20	13,143	14,583	38	22,481	27,091
160 TO 199 FEET	4	2,091	2,091	3	2,509	2,509	7	4,600	4,600
200 TO 239 FEET	5	6,550	6,550	6	7,504	7,504	11	14,054	14,054
240 TO 279 FEET	14	24,728	24,728	10	18,052	18,052	24	42,780	42,780
280 TO 319 FEET				1	631	631	1	631	631
320 TO 359 FEET	2	5,830	5,830	1	3,500	3,500	3	9,330	9,330
360 TO 639 FEET				1	9,358	9,358	1	9,358	9,358
TOTALS	69	52,568	55,784	73	60,807	62,452	142	113,375	118,236
OTHER VESSELS.									
UNDER 80 FEET	160	160	3,025	162	184	2,553	322	344	5,578
80 TO 119 FEET	47	47	4,594	56	56	7,016	103	103	11,610
120 TO 159 FEET	13	13	4,238	15	15	4,891	28	28	9,129
160 TO 199 FEET	16	1,288	19,721	20	932	19,402	36	2,220	39,123
200 TO 239 FEET	6	2,276	12,883	4	755	8,653	10	3,031	21,536
240 TO 279 FEET	2	2	8,454	3	3	9,656	5	5	18,110
280 TO 319 FEET	1	1,847	4,179	2	1,848	5,999	3	3,695	10,178
320 TO 359 FEET	2	2	7,866	2	2	7,866	4	4	15,732
360 TO 399 FEET	1	1,971	3,248	1	1,971	3,248	2	3,942	6,496
TOTALS	248	7,606	68,208	265	5,766	69,284	513	13,372	137,492
GRAND TOTALS	3,344	15,663,235	22,631,962	3,372	15,684,878	22,770,836	6,716	31,348,113	45,402,798

TABLE 7. NUMBER AND TONNAGE OF VESSELS THROUGH THE ST. LAWRENCE CANALS BY KIND AND DRAFT.

KIND AND DRAFT OF VESSEL	UPBOUND			DOWNBOUND			TOTAL		
	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS
CARGO VESSEL.									
5 FEET AND UNDER	83	81	913	77	75	847	160	156	1,760
6 TO 7 FEET	1	237	450	13	1,996	3,809	14	2,233	4,259
8 TO 9 FEET	7	2,995	4,684	4	1,016	1,821	11	4,011	6,505
10 TO 11 FEET	32	17,887	27,347	20	7,979	14,288	52	25,866	41,635
12 TO 13 FEET	18	12,818	22,736	16	9,840	16,456	34	22,658	39,192
14 TO 15 FEET	59	88,751	154,466	66	92,049	164,102	125	180,800	318,568
16 TO 17 FEET	169	414,281	632,688	170	413,493	622,359	339	827,774	1,255,047
18 TO 19 FEET	162	380,748	587,008	144	300,554	459,588	306	681,302	1,046,596
20 TO 21 FEET	271	1,060,049	1,543,206	263	1,044,043	1,501,309	534	2,104,092	3,044,515
22 TO 23 FEET	167	789,671	1,142,450	152	757,252	1,053,780	319	1,546,923	2,196,230
24 TO 25 FEET	309	2,190,994	3,071,979	307	2,205,909	3,073,711	616	4,396,903	6,145,690
26 TO 27 FEET	978	8,716,059	12,284,372	1,031	8,873,762	12,706,934	2,009	17,589,821	24,991,306
28 TO 29 FEET	11	62,692	102,369	5	34,031	51,347	16	96,723	153,716
30 FEET AND OVER	6	54,107	82,825	3	20,168	35,891	9	74,275	118,716
TOTALS	2,273	13,791,370	19,657,493	2,271	13,762,167	19,706,242	4,544	27,553,537	39,363,735
BARGE OR SCOW.									
3 FEET AND UNDER	1	616	616	1	2		2	618	618
TOTALS	1	616	616	1	2		2	618	618

TABLE 7. NUMBER AND TONNAGE OF VESSELS THROUGH THE ST. LAWRENCE CANALS BY KIND AND DRAFT

KIND AND DRAFT OF VESSEL	UPBOUND			DOWNBOUND			TOTAL		
	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS
TANKER.									
8 TO 9 FEET				1	1,699	2,404	1	1,699	2,404
12 TO 13 FEET				1	1	1,200	1	1	1,200
14 TO 15 FEET	52	76,316	114,912	53	78,458	116,977	105	154,774	231,889
16 TO 17 FEET	94	212,001	330,494	95	210,853	327,585	189	422,854	658,079
18 TO 19 FEET	120	175,032	279,792	119	164,690	263,362	239	339,722	543,154
20 TO 21 FEET	71	176,967	255,906	71	182,464	268,550	142	359,431	524,466
22 TO 23 FEET	210	568,421	889,304	222	665,718	1,057,244	432	1,234,139	1,946,548
24 TO 25 FEET	55	192,220	288,047	48	144,997	207,821	103	337,217	495,868
26 TO 27 FEET	49	344,308	578,654	53	356,737	594,174	102	701,045	1,172,828
28 TO 29 FEET	1	4,872	8,992	3	14,616	26,988	4	19,488	35,980
30 FEET AND OVER	6	60,737	89,407	5	35,623	53,328	11	96,360	142,735
TOTALS	658	1,810,874	2,835,508	671	1,855,856	2,919,643	1,329	3,666,730	5,755,151
TUG OR DREDGE.									
5 FEET AND UNDER	17	17	252	15	15	336	32	32	588
6 TO 7 FEET	8	8	2,182	9	9	1,971	17	17	4,153
8 TO 9 FEET	22	128	2,705	16	30	1,486	38	158	4,191
10 TO 11 FEET	2	2	366	3	3	334	5	5	700
12 TO 13 FEET	39	39	7,123	39	152	7,066	78	191	14,189
14 TO 15 FEET	7	7	1,725	9	71	2,020	16	78	3,745
TOTALS	95	201	14,353	91	280	13,213	186	481	27,566
TUG AND BARGE.									
5 FEET AND UNDER	14	2,001	2,047	17	4,426	4,426	31	6,427	6,473
6 TO 7 FEET	18	15,928	15,928	17	8,361	8,566	35	24,289	24,494
8 TO 9 FEET	9	2,172	2,172	9	5,415	5,415	18	7,587	7,587
10 TO 11 FEET	7	3,905	5,635	6	4,488	4,488	13	8,393	10,123
12 TO 13 FEET	9	7,463	8,903	11	15,415	16,855	20	22,878	25,758
14 TO 15 FEET	4	6,253	6,253	5	6,412	6,412	9	12,665	12,665
16 TO 17 FEET	8	14,846	14,846	7	12,790	12,790	15	27,636	27,636
18 TO 19 FEET				1	3,500	3,500	1	3,500	3,500
TOTALS	69	52,568	55,784	73	60,807	62,452	142	113,375	118,736
OTHER VESSELS.									
5 FEET AND UNDER	140	140	1,646	150	172	1,708	290	312	3,354
6 TO 7 FEET	63	63	8,412	56	56	6,542	119	119	14,954
8 TO 9 FEET	11	11	2,092	17	17	6,158	28	28	8,250
10 TO 11 FEET				3	3	1,041	3	3	1,041
12 TO 13 FEET	18	738	11,239	23	743	17,865	41	1,481	29,104
14 TO 15 FEET	6	1,309	9,755	6	949	9,363	12	2,258	19,118
16 TO 17 FEET	5	2,726	16,562	4	1,974	12,275	9	4,700	28,837
18 TO 19 FEET	2	770	4,035	1	1	2,017	3	771	6,052
20 TO 21 FEET	1	1,847	4,179	4	1,850	7,115	5	3,697	11,294
24 TO 25 FEET	2	2	10,288	1	1	5,200	3	3	15,488
TOTALS	248	7,606	68,208	265	5,766	69,284	513	13,372	137,492
GRAND TOTALS	3,344	15,663,235	22,631,962	3,372	15,684,878	22,770,836	6,716	31,348,113	45,402,798

TABLE 8A. CARGO TONNAGE UPBOUND THROUGH THE ST. LAWRENCE CANALS BY ORIGIN AND DESTINATION.

PORTS OF LOADING	DESTINATION								
	BULK	CANADA		UNITED STATES			TOTAL		
		GENERAL	TOTAL	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL
ST. LAWRENCE RIVER PORTS.									
CANADA	5,920,590	27,093	5,947,683	12,863,200	68,151	12,931,351	18,783,790	95,244	18,879,034
UNITED STATES									
TOTAL	5,920,590	27,093	5,947,683	12,863,200	68,151	12,931,351	18,783,790	95,244	18,879,034
OTHER THAN ST. LAWRENCE R. PORTS									
CANADA ATLANTIC PORTS	99,572		99,572	14,538	99,664	114,204	114,110	99,666	213,776
U.S. ATLANTIC AND GULF PORTS	94,771		94,771	58,162		58,162	152,933		152,933
UNITED KINGDOM	9,743	64,912	74,655	58,111	405,625	463,736	47,854	470,537	538,391
OTHER BRITISH COMMONWEALTH	356,806	65,708	422,514	76,777	90,100	166,877	433,583	155,808	589,391
BELGIUM	1,074	52,705	53,779	8	1,273,782	1,273,790	1,082	1,326,487	1,327,569
DENMARK	39	1,458	1,497	137	4,648	4,785	176	6,106	6,382
FINLAND	80	2,084	2,164	11,729	22,979	34,708	11,809	25,063	36,372
FRANCE	51	6,804	6,855	33,255	117,549	150,804	33,306	124,353	157,659
GERMANY	842	64,143	65,005	2,580	316,069	318,649	3,442	380,212	383,654
GREECE		1,922	1,922		1,079	1,079		3,001	3,001
ITALY	3,206	31,113	34,319	18,458	174,379	192,837	21,664	205,492	227,156
NETHERLANDS	20,594	10,216	30,810	21,556	456,722	478,278	42,150	466,938	509,088
NORWAY		6,965	6,965	3,385	8,530	11,915	3,385	15,495	18,880

TABLE 8A. CARGO TONNAGE UPBOUND THROUGH THE ST. LAWRENCE CANALS BY ORIGIN AND DESTINATION.

PORTS OF LOADING	DESTINATION								
	CANADA			UNITED STATES			TOTAL		
	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL
POLAND		10,364	10,364		27,385	27,385		37,749	37,749
PORTUGAL	31	11,143	11,174	28	12,475	12,503	59	23,618	23,677
SWEDEN		12,486	12,486	1,229	11,461	12,690	1,229	23,947	25,176
SPAIN	730	10,348	11,078	34,726	73,447	108,173	35,456	83,795	119,251
YUGOSLAVIA	22	3,507	3,529		7,171	7,171	22	10,678	10,700
OTHER EUROPEAN COUNTRIES		2,474	2,476		10,720	10,720		13,196	13,196
CENTRAL AMERICAN & CARIBBEAN	203,302	4,727	208,029	24,492	7,185	31,677	227,794	11,912	239,706
SOUTH AMERICAN COUNTRIES	364,779	6,664	371,443	3,380	27,634	31,014	368,159	34,300	402,459
MIDDLE EAST COUNTRIES		3,550	3,559		1,803	1,803		5,362	5,362
JAPAN	79	99,787	99,866		1,105,277	1,105,277	29	1,205,064	1,205,093
ASIAN COUNTRIES	2,939	15,227	18,166		56,116	56,116	2,939	71,336	74,275
LIBERIA		177	173		2,286	2,286		2,459	2,459
OTHER AFRICAN COUNTRIES	13,059	2,247	15,306	5,695	23,449	29,144	18,754	25,691	44,445
OTHER COUNTRIES		30	38					38	38
TOTAL	1,171,689	490,764	1,662,453	368,246	4,337,537	4,705,783	1,539,935	4,828,303	6,368,238
GRAND TOTALS	7,092,279	517,859	7,610,138	13,231,446	4,405,688	17,637,134	20,323,725	4,923,547	25,247,272

TABLE 8B. CARGO TONNAGE DOWNBOUND THROUGH THE ST. LAWRENCE CANALS BY DESTINATION AND ORIGIN.

PORTS OF UNLOADING	ORIGIN								
	CANADA			UNITED STATES			TOTAL		
	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL
ST. LAWRENCE RIVER PORTS.									
CANADA	10,730,346		10,730,346	6,598,050	36,635	6,634,685	17,328,396	36,635	17,365,031
UNITED STATES				43,357		43,357	43,357		43,357
TOTAL	10,730,346		10,730,346	6,641,407	36,635	6,678,042	17,371,753	36,635	17,408,388
OTHER THAN ST. LAWRENCE R. PORTS									
CANADA ATLANTIC PORTS	198,411		198,411	4,186		4,186	202,597		202,597
U.S. ATLANTIC AND GULF PORTS		10,862	10,862	27,672		27,672	27,672	10,862	38,534
UNITED KINGDOM	423,367	74,111	497,478	656,763	294,292	951,055	1,080,130	368,403	1,448,533
OTHER BRITISH COMMONWEALTH	44,094	52,296	96,390	105,251	96,139	201,390	149,344	148,435	297,780
BELGIUM	72,776	10,851	83,627	438,812	244,687	683,499	511,588	255,538	767,126
DENMARK	24	261	285	11,097	3,012	14,109	11,121	3,273	14,394
FINLAND		716	716	19,970	1,646	21,616	19,970	2,362	22,332
FRANCE	9,527	9,064	18,591	149,761	39,582	189,343	159,288	48,646	207,934
GERMANY	274,109	15,629	289,738	555,519	49,346	604,865	829,628	64,975	894,603
GREECE		42,197	42,197	352	4,492	4,844	352	46,689	47,041
ITALY	63,665	11,851	75,516	104,369	58,409	162,778	168,034	70,260	238,294
NETHERLANDS	119,415	24,365	143,780	1,817,303	135,843	1,953,146	1,936,718	160,208	2,096,926
NORWAY	11,349	1,126	12,475	81,602	3,443	85,045	92,951	4,569	97,520
POLAND		6,487	6,487	10,094	2,495	12,589	10,094	8,982	19,076
PORTUGAL		1,280	1,280	560	28,562	29,122	560	29,842	30,402
SWEDEN	13,632	4,859	18,491	40,301	15,706	56,007	53,933	20,565	74,498
SPAIN	41,276	5,411	46,687	305,839	17,182	323,021	347,115	22,593	369,708
YUGOSLAVIA	1,479	4,480	5,959	61,353	10,649	72,002	62,832	15,129	77,961
OTHER EUROPEAN COUNTRIES	30,585	42,624	73,209	38,124	45,460	83,584	68,709	88,084	156,793
PANAMA				239	969	1,208	239	969	1,208
CENTRAL AMERICAN & CARIBBEAN	10,506	19,905	30,411	3,764	7,966	11,730	14,270	27,871	42,141
SOUTH AMERICAN COUNTRIES	15,256	15,435	30,691	14,330	38,306	52,636	29,586	53,741	83,327
MIDDLE EAST COUNTRIES		10,947	10,947	80,491	38,315	118,806	80,491	49,262	129,753
JAPAN	176,990	14,456	191,446	662,872	17,876	680,748	839,862	32,332	872,194
ASIAN COUNTRIES	15,150	99	15,249	107,050	23,360	130,410	122,200	23,459	145,659
LIBERIA	2,431	44	2,475	16,922	394	17,316	17,316	438	19,791
OTHER AFRICAN COUNTRIES	2,101	3,452	5,553	127,246	12,002	139,248	129,347	15,454	144,801
TOTAL	1,526,143	382,808	1,908,951	5,441,842	1,190,133	6,631,975	6,967,985	1,572,941	8,540,926
GRAND TOTALS	12,256,489	382,808	12,639,297	12,083,249	1,226,768	13,310,017	24,339,738	1,609,576	25,949,314

TABLE 9A. CARGO TONNAGE UPBOUND THROUGH THE ST. LAWRENCE CANALS BY ORIGIN AND REGISTRY OF VESSEL.

ORIGIN	COUNTRY OF REGISTRY	CARGO TONNAGE		
		BULK	GENERAL	TOTAL
ST. LAWRENCE RIVER PORTS	CANADA	18,528,991	94,661	18,623,652
	UNITED STATES	54,336		54,336
	OTHER BRITISH COMMONWEALTH	43,341		43,341
	GERMANY		50	50
	GREECE	25,526		25,526
	NORWAY	28,147		28,147
	YUGOSLAVIA			
	LIBERIA	103,449	533	103,982
	TOTAL	18,783,790	95,244	18,879,034
	OTHER THAN ST. LAWRENCE RIVER PORTS ...	CANADA	170,316	30,172	200,488
UNITED STATES		56,077		56,077
UNITED KINGDOM		145,398	725,510	870,908
OTHER BRITISH COMMONWEALTH		156,234	140,087	296,321
BELGIUM		16,925	62,694	79,619
DENMARK		19,444	183,509	202,953
FRANCE		92	461,761	461,853
GERMANY		93,407	578,084	671,491
GREECE		62,271	330,565	392,836
ITALY		66,260	250,423	316,683
NETHERLANDS		28,203	18,540	46,743
NORWAY		311,910	622,934	938,844
SWEDEN		10,191	44,263	54,454
SPAIN		117	46,899	47,016
YUGOSLAVIA		230	95,229	95,459
OTHER EUROPEAN COUNTRIES		1,280	75,334	76,614
PANAMA		6,460	24,788	31,248
SOUTH AMERICAN COUNTRIES		4,330	8,435	12,765
MIDDLE EAST COUNTRIES		111	118,327	118,438
JAPAN		29,836	248,773	278,609
LIBERIA	360,843	757,976	1,118,819	
TOTAL	1,539,935	4,828,303	6,368,238	
GRAND TOTALS	20,323,725	4,923,547	25,247,272	

TABLE 9B. CARGO TONNAGE DOWNBOUND THROUGH THE ST. LAWRENCE CANALS BY DESTINATION AND REGISTRY OF VESSEL.

DESTINATION	COUNTRY OF REGISTRY	CARGO TONNAGE		
		BULK	GENERAL	TOTAL
ST. LAWRENCE RIVER PORTS	CANADA	17,255,211	36,612	17,291,823
	UNITED STATES	93,559		93,559
	OTHER BRITISH COMMONWEALTH	22,983		22,983
	GERMANY		10	10
	YUGOSLAVIA		13	13
	TOTAL	17,371,753	36,635	17,408,388
OTHER THAN ST. LAWRENCE RIVER PORTS ...	CANADA	198,411	10,862	209,273
	UNITED STATES	24,590	11,047	35,637
	UNITED KINGDOM	827,968	282,861	1,110,829
	OTHER BRITISH COMMONWEALTH	174,135	53,369	227,504
	BELGIUM	86,323	1,824	88,147
	DENMARK	165,795	22,779	188,574
	FINLAND	2,352		2,352
	FRANCE	514,930	63,574	578,504
	GERMANY	729,167	326,536	1,055,703
	GREECE	502,600	106,965	609,565
	ITALY	298,345	50,154	348,499
	NETHERLANDS	95,281	4,706	99,987
	NORWAY	1,334,039	249,211	1,583,250
	SWEDEN	96,160	36,682	132,842
	SPAIN	47,632	4,497	52,129
	YUGOSLAVIA	204,989	32,038	237,027
	OTHER EUROPEAN COUNTRIES	68,164	58,336	126,500
	PANAMA	47,074	2,494	49,568
	SOUTH AMERICAN COUNTRIES	1,278	8,369	9,647
	MIDDLE EAST COUNTRIES	158,380	33,379	191,759
JAPAN	164,450	56,136	220,586	
LIBERIA	1,225,922	157,122	1,383,044	
TOTAL	6,967,985	1,572,941	8,540,926	
GRAND TOTALS	24,339,738	1,609,576	25,949,314	

TABLE 10. NUMBER OF VESSELS AND CARGO TONNAGE THROUGH THE ST. LAWRENCE CANALS BY KIND AND GROSS TONNAGE.

KIND AND GROSS TONNAGE OF VESSEL	UPBOUND							DOWNBOUND								
	NUMBER OF VESSELS			CARGO TONNAGE			AVERAGE	NUMBER OF VESSELS			CARGO TONNAGE			AVERAGE		
	BAL.	CARGO	TOTAL	BULK	GENERAL	TOTAL		BAL.	CARGO	TOTAL	BULK	GENERAL	TOTAL			
						
CARGO.																
UNDER 1,000	95	42	137	16,594	1,086	17,680	419.6	107	28	135	12,974	3,432	16,406	564.4		
1,000 TO 1,999	6	38	44	25,851	33,692	59,543	1,566.9	6	38	44	45,845	36,564	82,809	2,179.2		
2,000 TO 2,999	71	160	231	255,071	172,113	427,184	2,669.9	37	194	231	525,773	127,564	653,337	3,367.7		
3,000 TO 3,999	34	123	157	234,158	190,016	424,174	3,448.6	31	127	158	425,954	125,518	551,472	4,342.3		
4,000 TO 4,999	11	107	118	84,358	253,958	338,356	3,162.2	9	108	117	210,421	175,472	485,893	4,499.0		
5,000 TO 5,999	13	138	151	162,571	192,081	354,652	2,569.9	3	151	154	503,838	109,964	613,802	4,064.9		
6,000 TO 6,999	24	189	213	926,032	382,339	1,308,371	6,922.6	20	195	215	1,412,801	148,238	1,561,039	8,005.3		
7,000 TO 7,999	17	63	80	489,369	89,393	578,762	9,186.7				83	83	14,617	36,016	850,633	10,248.6
8,000 TO 8,999	18	70	88	166,954	357,245	524,199	7,488.6	1	85	86	177,726	78,310	256,036	8,894.5		
9,000 TO 9,999	25	138	167	1,213,544	405,588	1,619,132	11,732.8	6	159	165	1,737,505	108,651	1,846,156	11,611.0		
10,000 TO 10,999	17	99	116	433,044	792,139	1,225,183	12,375.6	3	112	115	595,791	403,331	1,399,122	12,492.2		
11,000 TO 11,999	15	78	93	794,222	422,537	1,216,819	15,600.2	1	92	93	1,284,553	113,941	1,398,494	15,201.0		
12,000 TO 12,999	14	48	62	462,758	265,430	728,228	15,171.4	3	56	59	894,156	31,071	925,227	16,521.9		
13,000 TO 13,999	7	26	33	1,210,657	181,161	1,391,818	16,183.9	5	86	91	1,527,122	48,507	1,575,629	18,321.3		
14,000 TO 14,999	3	25	28	367,155	94,071	461,226	18,450.6	2	27	29	482,982	29,385	512,367	18,976.6		
15,000 TO 15,999	26	209	235	4,777,721	390,063	5,167,784	24,726.2	5	230	235	5,652,194	17,275	5,669,473	24,649.9		
16,000 TO 16,999	39	172	211	4,435,635	140,817	4,580,456	26,630.6	6	204	210	5,289,472		5,289,472	25,928.8		
17,000 AND OVER	2	47	49	485,772	559,818	1,025,590	21,821.1	2	49	51	1,064,595	15,933	1,080,528	22,051.6		
TOTAL	441	1,832	2,273	16,525,650	4,923,547	21,449,197	...	247	2,024	2,271	23,658,319	1,609,576	25,267,895	...		
BARGE OR SCOW.																
UNDER 1,000	1		1						1		1					
TOTAL	1		1				...		1		1				...	
TANKER.																
1,000 TO 1,999		61	61	156,261		196,261	3,217.4	57	5	62	6,680		6,680	1,336.0		
2,000 TO 2,999	1	205	206	735,999		735,999	3,590.2	175	39	214	140,141		140,141	3,593.4		
3,000 TO 3,999	1	117	118	642,063		642,063	5,487.7	112	5	117	21,433		21,433	4,286.6		
4,000 TO 4,999		131	131	977,006		977,006	7,458.1	109	20	129	119,153		119,153	5,957.7		
5,000 TO 5,999	9	63	72	473,833		473,833	7,521.2	49	22	71	142,797		142,797	6,536.2		
6,000 TO 6,999		3	3	7,765		7,765	2,588.3		4	4	30,652		30,652	7,663.0		
7,000 TO 7,999	6	3	9	4,756		4,756	1,585.3	1	10	11	110,521		110,521	11,052.1		
8,000 TO 8,999		12	12	174,931		174,931	14,577.6	13	1	14	14,781		14,781	14,781.0		
9,000 TO 9,999		5	5	24,010		24,010	4,802.0		5	5	64,005		64,005	12,921.8		
10,000 TO 10,999		15	15	254,475		254,475	13,396.4	21		21						
11,000 TO 11,999		9	10	131,885		131,885	14,653.9	10	1	11	15,614		15,614	15,614.0		
12,000 TO 12,999		7	7	91,966		91,966	13,138.0	7		7						
13,000 TO 13,999		5	5	56,077		56,077	11,215.4	4	1	5	127		127	127.0		
TOTAL	18	640	658	3,771,027		3,771,027	...	558	113	671	666,904		666,904	...		
TUG AND SCOW.																
UNDER 1,000	42	4	46	683		683	170.8	47	4	51	8,563		8,563	2,140.8		
1,000 TO 1,999	5	9	14	23,588		23,588	2,620.9	13	2	15	4,608		4,608	2,304.0		
2,000 TO 2,999	7	1	8	2,777		2,777	2,777.0	4	1	5	1,344		1,344	1,344.0		
3,000 TO 3,999	1		1													
4,000 TO 4,999																
5,000 TO 5,999																
TOTAL	55	14	69	27,048		27,048	...	66	7	73	14,515		14,515	...		
OTHER.																
UNDER 1,000	329		329						342		342					
1,000 TO 1,999	1		1						4		4					
2,000 TO 2,999	7		7						6		6					
3,000 TO 3,999	2		2						1		1					
4,000 TO 4,999	1		1						1		1					
5,000 TO 5,999	3		3						2		2					
TOTAL	343		343				...	356		356				...		
GRAND TOTALS ..	858	2,486	3,344	20,323,725	4,923,547	25,247,272	...	1,228	2,144	3,372	24,339,738	1,609,576	25,949,314	...		

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA		UNITED STATES		UNITED KINGDOM	
		TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.
1	FOOD, FEED, BEVERAGES, TOBACCO	-	-	-	-	-	-
2	MEAT, FRESH OR FROZEN	-	-	-	-	52	-
3	MEAT, CURED	-	-	-	-	-	-
4	MEAT AND MEAT PREP. NES	-	-	-	-	-	-
5	FISH, FRESH OR FROZEN	-	-	-	-	26	23
6	FISH, SALTED OR CURED	-	-	-	-	20	21
7	FISH, CANNED	-	-	-	-	77	7
8	SHELL FISH, NES	-	-	-	-	-	-
9	BUTTER	-	-	-	-	-	-
10	CHEESE	-	-	-	-	-	-
11	MILK POWDER	-	-	-	-	227	-
12	DAIRY PROD. EGGS, HONEY	-	-	-	-	22	-
13	CEREAL, UNMILLED, NES	-	-	-	-	-	-
14	CORN STARCH	-	-	-	-	-	-
15	MALT AND MALT FLOUR	-	-	-	-	-	15
16	BAKERY PROD. INCL. FROZEN	-	-	-	-	73	153
17	MACARONI, CEREAL PROD.	-	-	-	-	-	-
18	FRESH FRUITS, BERRIES	-	-	-	-	-	-
19	FROZEN FRUITS, BERRIES	-	-	-	-	8	156
20	DRIED FRUITS	-	-	-	-	-	-
21	FRUIT JUICES, CONC.	-	-	-	-	182	-
22	FRUIT PULP, PUREE	-	-	-	-	-	-
23	FRUITS, PRESERVED	-	-	-	-	5	-
24	FRUITS, PREPARATIONS	-	-	-	-	-	224
25	PEANUTS	-	-	-	-	-	-
26	NUTS, EXC. OIL NUTS NES	-	-	-	-	38	-
27	VEGETABLES, FRESH	-	-	-	-	-	-
28	VEGETABLES, FROZEN	-	-	-	-	-	-
29	VEGETABLES, DRIED	-	-	-	-	-	-
30	VEGETABLE PREP. NES	-	-	-	-	189	48
31	RAW SUGAR	8,208	-	-	-	-	-
32	SUGAR NES	4,188	-	-	-	-	-
33	MOLASSES, CRUDE	-	-	-	-	-	-
34	MOLASSES, REFINED	-	-	-	-	-	-
35	SUGAR PREPARATIONS	-	-	-	-	52	2,581
36	COCOA AND CHOCOLATE	-	-	-	-	34	210
37	COFFEE	-	-	-	-	-	-
38	TEA	-	-	-	-	10	-
39	SPICES	-	-	-	-	-	-
40	VINEGAR	-	-	-	-	-	-
41	SAUSAGE CASINGS	-	-	-	-	-	31
42	MISC. FOOD PREP. NES	-	-	-	-	176	336
43	HAY, FORAGE, STRAW	-	-	-	-	-	-
44	SOYABEAN OIL MEAL, CAKE	-	-	-	-	2,093	-
45	FEEDS OF VEG. ORIGIN	-	-	-	-	-	-
46	FEEDS OF ANIMAL ORIGIN	-	-	-	-	-	-
47	CONC. COMPLETE FEEDS	-	-	-	-	-	21
48	NON-ALCOHOLIC BEVERAGE	-	-	-	-	-	-
49	ALE, BEER, STOUT, PORTER	-	-	-	-	109	926
50	WINES	-	-	-	-	25	1,871
51	FERM. ALCOHOLIC BEV.	-	-	-	-	44	6
52	DIST. ALCOHOLIC BEV.	-	-	-	-	6,729	31,935
53	TOBACCO NES	-	-	-	-	39	-
54	TOTAL	12,396	-	-	-	10,230	38,598
55	CRUDE MATERIALS, INEDIBLE.	-	-	-	-	-	-
56	RAW HIDES AND SKINS	-	-	-	-	-	94
57	CRUDE ANIMAL PROD. NES	-	-	-	-	-	-
58	SEEDS FOR SOWING NES	-	-	-	-	-	-
59	RAPESEED	-	-	-	-	5	-
60	OIL SEEDS, NUTS NES	-	-	-	-	5	-
61	NURSERY, GREENHOUSE STOCK	-	-	-	-	-	-
62	RUBBER ALLIED GUMS NAT.	-	-	-	-	-	-
63	CRUDE VEG. PROD. NES	-	-	-	-	42	5
64	LOGS	-	-	-	-	-	-
65	PULPWOOD	89,699	61,011	-	-	-	-
66	CRUDE WOOD MTL. NES	-	680	-	-	-	-
67	WOOL AND ANIMAL HAIR	-	-	-	-	20	42
68	TEXTILE FIBRES NES	-	-	-	-	197	30
69	ALUMINA, BAUXITE ORES	-	48,464	-	-	-	-
70	IRON ORE AND CONC.	2,821,041	11,974,567	-	-	-	-
71	MANGANESE ORE	123,111	84,914	-	-	-	-
72	NICKEL-COPPER ORE	-	-	-	-	-	-
73	TITANIUM ORE	-	10,530	-	-	-	-
74	ORES AND CONC. NES	23,678	32,503	-	-	-	-
75	NON-FERROUS MET. SCRAP	-	-	-	-	-	31
76	SLAG, DROSS, BY-PRODUCTS	-	-	-	-	-	165
77	CRUDE PETROLEUM	6,127	-	-	-	-	-
78	NATURAL GAS	-	18,677	-	-	12	32
79	ASBESTOS	-	-	-	-	-	-
80	BENTONITE	-	-	-	-	5	-
81	CHINA CLAY	-	-	-	-	-	44,524
82	CLAY MATERIALS NES	-	-	-	-	-	22
83	SAND AND GRAVEL	-	-	-	-	-	-
84	STONE, CRUDE, NES	6,578	-	-	-	-	38
85	BARYTES, NATURAL	-	-	-	-	-	-
86	FLUORSPAR	-	46,948	-	-	4,487	12,463
87	GYPSSUM	79,395	-	-	-	-	-

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

OTHER BRITISH COMMONWEALTH		OTHER EUROPE		OTHER COUNTRIES		TOTAL		GRAND TOTAL	NO.
TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.		
-	-	-	-	-	-	-	-	-	1
-	-	682	191	-	-	734	191	925	2
-	-	-	16	-	-	-	16	16	3
143	-	573	474	154	116	870	590	1,460	4
-	-	840	314	42	48	908	385	1,293	5
-	-	231	451	15	-	266	472	738	6
-	-	484	1,630	2,948	1,436	3,509	3,073	6,582	7
20	-	-	3	70	6	90	9	99	8
-	-	-	-	113	-	113	-	113	9
-	-	1,710	1,407	-	-	1,937	1,407	3,344	10
-	-	70	6	-	-	70	6	76	11
-	-	168	53	-	-	190	53	243	12
-	-	257	6	-	-	257	6	263	13
-	-	23	-	-	-	23	-	23	14
-	-	-	-	-	-	-	15	15	15
-	-	104	-	-	-	177	153	330	16
15	-	481	44	71	-	567	44	611	17
-	125	213	-	-	12	213	137	350	18
-	-	30	118	174	-	212	274	486	19
387	-	401	-	-	-	788	-	788	20
-	-	628	119	97	445	907	564	1,471	21
-	-	388	-	-	-	388	-	388	22
350	-	9,864	10,690	63	493	10,282	11,183	21,465	23
4,405	1,178	1,983	79	2,557	3,524	8,945	5,005	13,950	24
-	-	194	-	-	-	194	-	194	25
880	422	334	38	497	118	1,749	578	2,327	26
-	-	88	17	-	-	88	17	105	27
-	-	-	-	-	41	-	41	41	28
8	-	352	38	-	7	360	45	405	29
1,180	61	12,332	8,858	2,190	3,074	15,891	12,041	27,932	30
149,128	-	-	-	17,539	-	174,875	-	174,875	31
6,070	-	30	-	4,480	-	14,768	-	14,768	32
-	-	8	-	22,963	9,232	22,963	9,232	32,195	33
5,701	-	8	-	6,740	-	12,449	-	12,449	34
68	-	969	716	7	-	1,096	3,297	4,393	35
1,449	4,623	577	246	81	1,674	2,141	6,753	8,894	36
467	-	22	-	87	1,133	576	1,133	1,709	37
127	-	146	-	178	4	461	4	465	38
295	5	152	344	19	-	466	349	815	39
-	-	23	-	-	-	23	-	23	40
-	-	-	948	-	18	-	1,017	1,017	41
2,452	189	4,715	1,862	2,322	2,960	9,665	5,361	15,026	42
-	-	6	-	-	-	6	-	6	43
-	-	-	30	-	13	2,093	43	2,136	44
-	-	6	618	-	-	6	618	624	45
-	-	-	110	-	-	-	110	110	46
38	-	81	6,792	545	51	664	6,864	7,528	47
-	-	854	120	-	-	854	120	974	48
-	11	2,734	6,335	12	76	2,855	7,348	10,203	49
1,608	6	9,326	28,239	239	195	11,198	30,311	41,509	50
-	-	306	102	-	15	350	123	473	51
571	67	781	2,085	-	14	8,081	34,101	42,182	52
42	-	160	2	-	-	241	2	243	53
175,404	6,687	53,326	73,101	64,203	24,705	315,559	143,091	458,650	54
-	-	-	-	-	-	-	-	-	55
24	13	603	706	15	-	642	813	1,455	56
-	-	-	65	-	-	-	65	65	57
-	-	93	407	-	-	93	407	500	58
-	-	-	-	-	-	5	-	5	59
20	-	421	81	-	-	446	81	527	60
-	-	438	387	-	-	438	387	825	61
30,629	48,375	43	18	177	9,208	30,849	57,601	88,450	62
86	298	221	109	67	475	416	887	1,303	63
125	-	-	-	247	-	372	-	372	64
-	-	-	-	-	-	89,699	61,011	150,710	65
-	-	12	28	-	-	12	708	720	66
161	-	-	-	-	-	181	42	223	67
2,828	894	140	130	4,738	1,707	7,903	2,761	10,664	68
54,959	-	-	106	33,580	-	88,539	48,570	137,109	69
-	-	9,749	-	-	-	2,830,790	11,974,567	14,805,357	70
-	-	-	-	-	-	123,111	84,914	208,025	71
-	-	-	-	2,939	-	2,939	-	2,939	72
2,803	52,766	-	-	-	-	2,803	63,296	66,099	73
33,401	2,671	728	983	-	15	57,807	36,172	93,979	74
-	-	-	2,070	-	277	-	2,378	2,378	75
-	-	-	6	-	-	-	171	171	76
-	-	-	-	74,967	-	-	81,094	81,094	77
-	-	-	91	-	-	-	12	18,800	78
-	-	-	5	-	-	-	5	5	79
-	-	-	-	-	-	5	-	5	80
-	-	10	-	-	-	10	44,524	44,534	81
-	-	-	-	-	-	-	22	22	82
-	15,981	-	-	-	-	-	15,981	15,981	83
-	4,033	1,273	981	-	-	7,851	5,052	12,903	84
-	-	36	-	-	-	36	-	36	85
-	-	-	46,056	47,627	8,812	52,114	114,279	166,393	86
-	-	-	-	-	-	79,399	-	79,399	87

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA		UNITED STATES		UNITED KINGDOM	
		TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.
88	PHOSPHATE ROCK	4,456	-	11,569	-	-	-
89	SALT	-	-	-	-	-	15
90	CRUDE NON-MET. MIN. NES	-	-	-	-	2	19
91	COTTON, TEXTILE WASTE	-	-	-	-	202	237
92	WASTE AND SCRAP NES	-	-	-	-	112	22
93	TOTAL	3,154,085	12,278,294	11,569	-	5,089	57,739
94	FABRICATED MATERIALS, INEDIBLE	-	-	-	-	-	-
95	LEATHER	-	-	-	-	6	65
96	RUBBER FAB. MATERIALS	-	-	-	-	17	304
97	LUMBER AND TIMBER	5,515	-	-	-	-	-
98	SAWMILL PROD. NES	-	-	-	-	-	-
99	VENEER AND PLYWOOD	-	533	-	-	-	-
100	WOOD FABRICATED MTL.	-	-	-	-	59	18
101	PULP	401	6,176	-	-	-	-
102	NEWSPRINT PAPER	1,614	128,735	-	-	-	-
103	PAPER NES	-	3,780	-	-	33	56
104	PAPERBOARD	-	-	-	-	-	58
105	BLOG. PAPER AND BOARD	-	-	-	-	23	30
106	WET MACHINE BOARD	-	-	-	-	9	26
107	CORDAGE, TWINE, ROPE	-	-	-	-	30	935
108	JUTE WOVEN FABRICS	-	-	-	-	45	-
109	TEXTILE FAB. MTL. NES	-	-	-	-	70	34
110	ANIMAL OILS, EXC. MARINE	-	-	-	-	-	-
111	FISH, MARINE ANIMAL OIL	-	-	-	-	-	-
112	SOYABEAN OIL	-	-	-	-	-	-
113	VEG. OILS, FATS, NES	-	-	-	-	1,436	-
114	OILS, FATS, WAXES, NES	-	-	-	-	17	41
115	METALLIC SALTS	-	-	-	-	77	1,457
116	INORGANIC CHEMICALS	-	-	-	-	477	401
117	ORGANIC CHEMICALS NES	-	-	4,081	-	2,050	1,774
118	EXPLOSIVES	-	-	-	-	-	-
119	FERTILIZERS	5,998	-	-	-	-	-
120	FERT. & FERT. MAT. NES	-	11,295	47,194	6,978	-	10
121	AGRICULTURAL CHEMICALS	-	-	-	-	-	29
122	SYNTHETIC RUBBER	-	-	-	-	115	-
123	PLASTIC MATERIALS	-	-	-	-	127	81
124	DYESTUFF, PIGMENT, PAINTS ..	-	-	-	-	98	87
125	CHEM. SPECIALTIES NES	7,558	-	-	-	134	882
126	GASOLINE	430,034	5,880	-	-	-	-
127	FUEL OIL	2,117,238	434,799	14,815	-	-	-
128	LUBRICATING OIL, GREASE	65,678	-	17,112	51,184	104	142
129	ASPHALTS, ROAD OILS	-	15,892	-	-	-	-
130	COAL TAR, PITCH	-	-	-	-	-	-
131	PETROL, COAL PROD. NES	44,351	-	-	-	26	-
132	FERRO-ALLOYS	566	-	-	-	20	124
133	PIG IRON	13,879	125,402	-	-	-	41
134	PRIMARY IRON, STEEL NES	-	-	-	-	1,781	45,540
135	CASTINGS, FORGINGS	-	-	-	-	6,907	1,316
136	BAR AND RODS, STEEL	-	-	-	-	4,620	54,608
137	PLATE & SHEET STEEL	-	3,246	-	-	5,545	180,688
138	STRUCTURAL SHAPES	975	8,644	-	-	8,506	25,561
139	RAILS AND TRACK MTL.	-	-	-	-	-	-
140	PIPE, TUBE, IRON & STEEL	-	-	-	-	3,489	3,370
141	WIRE	-	-	-	-	289	3,920
142	ALUMINUM	-	-	-	-	11	44
143	COPPER AND ALLOYS	-	-	-	-	34	111
144	LEAD AND ALLOYS	-	-	-	-	28	717
145	NICKEL AND ALLOYS	-	-	-	-	-	-
146	ZINC AND ALLOYS	-	-	-	-	-	336
147	NON-FERROUS METAL NES	-	-	-	-	43	221
148	METAL FAB. BASIC PRDD.	400	19,458	-	-	581	804
149	BUILDING BRICK, CLAY	-	-	-	-	-	-
150	BRICKS, TILES, NES	-	-	-	-	844	375
151	GLASS BASIC PRODUCTS	-	-	-	-	685	4,264
152	ASBESTOS BASIC PRDD.	-	-	-	-	-	99
153	CEMENT	38,580	-	-	-	-	-
154	CEMENT BASIC PRDD.	-	-	-	-	-	-
155	NON-MET. MIN. BASIC PRDD.	-	-	-	-	111	863
156	MISC. FABRICATED PRDD.	-	-	-	-	332	323
157	TOTAL	2,733,787	763,840	83,202	58,162	38,779	329,725
158	END PRODUCTS, INEDIBLE.	-	-	-	-	-	-
159	TRACTORS	-	-	-	-	2,368	10,422
160	MACHINERY NES	58	-	-	-	8,351	12,767
161	RAILWAY ROLLING STOCKS	-	-	-	-	-	111
162	PASS. AUTOS & CHASSTS	-	-	-	-	3,194	1,720
163	TRUCKS AND CHASSIS	-	-	-	-	42	61
164	MOTOR VEHICLE ENGINES	-	-	-	-	143	1,161
165	ROAD MOTOR VEH. NES	-	-	-	-	80	55
166	SHIPS, AIRCRAFT, MIS. VEH.	-	-	-	-	49	938
167	RUBBER TIRES & TUBES	-	-	-	-	121	370
168	EQUIPMENT	25	-	-	-	475	1,268
169	TOTAL	83	-	-	-	14,823	28,871
170	MISCELLANEOUS FREIGHT N.E.S.	-	-	-	-	-	-

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

BYMER BRITISH COMMONWEALTH		OTHER EUROPE		OTHER COUNTRIES		TOTAL		GRAND TOTAL	NO.
TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.		
-	-	-	-	-	-	16,025	-	16,025	88
-	-	626	-	-	-	626	15	641	89
-	29	550	3,318	-	84	552	3,450	4,002	90
259	-	274	23	488	31	1,223	291	1,514	91
-	31	6	224	-	105	118	382	500	92
125,295	125,091	15,223	55,794	164,845	20,714	3,476,106	12,537,632	16,013,738	93
-	-	-	-	-	-	-	-	-	94
-	-	31	90	59	38	94	193	289	95
1,050	2,034	44	26	244	1,943	1,355	4,309	5,664	96
5,647	380	60	-	508	243	11,730	623	12,353	97
-	-	-	42	-	-	-	42	42	98
809	8,593	986	5,797	12,653	39,372	14,448	54,295	68,743	99
-	-	86	99	35	1,793	180	1,910	2,090	100
-	-	-	12,556	-	-	401	18,732	19,133	101
8	-	580	3,886	6	-	1,614	128,735	130,349	102
6	-	77	162	-	2,019	627	7,720	8,347	103
-	-	1,517	1,182	208	95	83	2,239	2,322	104
6	-	124	1,007	14	39	153	1,307	3,055	105
1,537	5,348	3,562	16,760	284	8,150	5,413	31,193	36,606	107
72	676	-	-	-	-	117	676	793	108
250	172	827	104	591	50	1,738	360	2,098	109
56	-	-	18	-	-	56	18	74	110
-	-	-	1,681	33	39	33	1,720	1,753	111
-	-	-	12	-	-	-	12	12	112
27,336	1,104	7,433	5,180	862	6,268	37,067	12,552	49,619	113
429	72	556	628	941	711	1,943	1,452	3,395	114
69	-	2,072	2,146	403	225	2,621	3,828	6,449	115
-	-	2,127	5,547	232	392	2,836	6,340	9,176	116
56	24	8,788	7,648	45,526	2,822	60,501	12,268	72,769	117
-	-	-	23	-	-	-	23	23	118
-	-	34	-	-	-	7,032	-	7,032	119
-	-	57	13,011	-	6,569	47,251	37,863	85,114	120
117	-	204	191	-	11	321	231	552	121
-	-	248	770	615	143	978	913	1,891	122
131	166	1,003	834	3,081	1,063	4,342	2,104	6,446	123
44	8	976	1,471	48	34	1,166	1,600	2,766	124
142	37	1,582	1,928	658	743	10,074	3,600	13,674	125
-	-	-	-	-	-	430,034	5,880	435,914	126
41,841	-	-	7	332,948	-	2,506,042	434,806	2,940,848	127
-	-	18	5	-	-	82,912	51,331	134,243	128
-	34	-	-	-	-	-	15,926	15,926	129
34,496	-	34	51	-	-	34	51	85	130
-	-	52	1,148	372	5	79,297	1,153	80,450	131
-	-	2,277	36,325	129	505	2,992	36,954	39,946	132
-	-	-	-	-	87	13,879	125,530	139,409	133
-	47	126	4,244	175	4,969	2,082	54,800	56,882	134
-	131	76	3,815	17	9,810	7,000	15,072	22,072	135
518	6,263	9,699	54,205	5,891	204,298	20,728	319,374	340,102	136
221	1,030	12,299	1,540,695	14,792	628,995	32,657	2,354,654	2,387,511	137
10	3,613	14,515	431,929	14,301	66,043	38,307	535,790	574,097	138
-	287	206	729	-	101	204	1,117	1,323	139
15	40	4,931	63,574	4,880	20,427	13,315	87,411	100,726	140
-	95	6,062	45,082	4,311	59,297	10,662	108,394	119,056	141
-	-	1,452	13,409	306	1,004	1,769	14,457	16,226	142
-	21	810	1,311	483	1,026	1,327	2,469	3,796	143
-	-	-	81	-	5,124	28	5,922	5,950	144
-	-	2,880	28	-	-	2,880	28	2,908	145
-	-	272	17,558	187	14,151	459	32,045	32,504	146
2,989	1,333	319	2,695	66	1,094	3,417	5,343	8,760	147
140	564	4,040	23,410	7,729	77,000	12,890	121,236	134,126	148
-	-	269	38	-	-	269	38	307	149
-	29	1,704	1,807	2,924	3,602	5,497	5,813	11,310	150
74	32	24,150	27,819	264	1,326	25,173	33,441	58,614	151
-	-	23	407	20	-	43	529	572	152
-	-	902	6,337	-	23	39,482	6,337	45,819	153
-	-	88	28	-	-	88	-	116	154
-	37	2,299	6,893	4,137	7,848	6,547	15,641	22,188	155
49	350	467	609	1,529	1,955	2,377	3,237	5,614	156
117,343	32,520	122,944	2,367,038	462,462	1,181,452	3,558,517	4,732,737	8,291,254	157
-	-	-	-	-	-	-	-	-	158
85	394	3,756	23,903	121	294	6,330	35,013	41,343	159
353	584	13,037	22,518	3,624	6,793	25,423	42,662	68,085	160
-	-	-	40	8	4,947	8	5,098	5,106	161
343	8	12,911	67,557	4,164	23	20,612	69,308	89,920	162
-	-	e	74	-	-	50	135	185	163
10	20	2,332	4,889	502	3,831	2,987	9,901	12,888	164
-	-	137	806	62	91	279	952	1,231	165
34	239	677	536	207	116	967	1,829	2,796	166
-	-	167	1,615	619	673	907	2,458	3,365	167
325	51	3,271	4,438	3,316	2,496	7,412	8,253	15,665	168
1,190	1,296	36,296	126,376	12,623	19,064	64,975	175,609	240,584	169

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA		UNITED STATES		UNITED KINGDOM	
		TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.
171	PERSONAL, HOUSEHOLD, GOODS ...	-	-	-	-	596	1,810
172	FIREARMS, AMMUNITION	-	-	-	-	6	-
173	CONTAINERS, CLOSURES	-	-	-	-	1,523	27
174	MISC. END PRODUCTS	25,331	3,421	-	-	3,465	6,964
175	TOTAL	25,331	3,421	-	-	5,590	8,801
176	DOMESTIC PACKAGE FREIGHT	-	-	-	-	-	-
177	DOMESTIC PACKAGE FRT.	121,573	-	-	-	144	-
178	TOTAL	121,573	-	-	-	144	-
179	GRAND TOTALS	6,047,255	13,045,555	94,771	58,162	74,655	463,736

TABLE 11B. CARGO TONNAGE DOWNBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA TO						TOTAL
		CANADA	U.S.A.	UNITED KINGDOM	OTHER BRITISH COMMONWEALTH	OTHER EUROPE	OTHER COUNTRIES	
1	LIVE ANIMALS	-	-	-	-	-	-	-
2	CATTLE	-	-	-	-	6	-	6
3	TOTAL	-	-	-	-	6	-	6
4	FOOD, FEED, BEVERAGES, TOBACCO	-	-	-	-	-	-	-
5	MEAT, FRESH OR FROZEN	-	-	319	113	399	128	959
6	MEAT, CURED	-	-	-	784	-	-	784
7	MEAT AND MEAT PREP. NES	-	-	-	35	11	-	46
8	FISH, FRESH OR FROZEN	-	-	-	-	-	-	-
9	FISH, SALTED OR CURED	-	-	-	20	-	-	20
10	FISH, CANNED	-	-	-	-	22	-	22
11	CHEESE	-	-	-	-	40	255	295
12	MILK POWDER	-	-	-	-	-	1,153	1,153
13	DAIRY PROD. EGGS, HONEY	-	-	68	12	88	-	168
14	BARLEY	2,679,157	-	59,667	-	163,392	-	2,902,216
15	CORN	44,603	-	-	-	-	-	44,603
16	OATS	187,015	-	1,064	642	149,787	1,885	340,393
17	RYE	38,289	-	13,564	-	-	-	51,853
18	WHEAT	6,379,508	-	21,025	22,456	30,934	-	6,453,923
19	CEREAL, UNMILLED, NES	-	-	-	-	-	-	-
20	CORN MEAL AND FLOUR	-	-	-	31	-	-	31
21	CORN STARCH	-	-	-	-	-	-	-
22	MALT AND MALT FLOUR	25,438	-	-	2,790	-	994	29,222
23	WHEAT FLOUR	-	-	228	4,998	-	4,532	9,758
24	CEREALS, MILLED, NES	-	-	-	-	-	266	266
25	BAKERY PROD. INCL. FROZEN	-	-	-	98	-	-	98
26	MACARONI, CEREAL PROD.	-	-	-	-	-	-	-
27	APPLES	-	-	21	-	-	-	21
28	FRESH FRUITS, BERRIES	-	-	-	-	-	-	-
29	FRUIT JUICES, CONC.	-	-	-	-	-	-	-
30	FRUITS, PRESERVED	-	-	-	-	-	-	-
31	FRUITS, PREPARATIONS	-	-	-	-	224	-	224
32	PEANUTS	-	-	-	-	193	-	193
33	VEGETABLES, FRESH	-	-	1,130	9	-	-	1,139
34	VEGETABLES, FROZEN	-	-	1,304	51	-	-	1,355
35	VEGETABLES, DRIED	-	-	507	4,102	86	1,691	6,386
36	VEGETABLE PREP. NES	-	-	561	727	436	27	1,751
37	SUGAR NES	-	-	-	-	131	38	169
38	SYRUP	-	-	-	-	-	-	-
39	SUGAR PREPARATIONS	-	-	-	-	-	-	-
40	COCOA AND CHOCOLATE	-	-	-	-	33	-	33
41	COFFEE	-	-	-	-	7	-	7
42	SPICES	-	-	-	25	-	-	25
43	SHORTENING	-	-	-	-	-	-	-
44	LARD	-	-	-	-	-	-	-
45	SAUSAGE CASINGS	-	-	-	-	62	-	62
46	MISC. FOOD PREP. NES	-	-	165	170	163	32	530
47	HULLS, SCREENINGS, CHAFF ...	30,117	-	70,423	-	3,938	8,706	113,184
48	GROUND CEREALS NES	-	-	-	15	-	106	121
49	SOYABEAN OIL MEAL, CAKE ...	-	-	95,254	6,174	25	-	101,453
50	OIL SEED MEAL, CAKE, NES ...	-	-	336	-	6,839	-	7,175
51	BREWERS GRAINS	2,497	-	-	-	-	-	2,497
52	FEEDS OF VEG. ORIGIN	11,112	-	10,463	-	-	33	21,608
53	FEEDS OF ANIMAL ORIGIN	-	-	-	-	-	208	208
54	CONC. COMPLETE FEEDS	-	-	457	-	214	331	1,002
55	NON-ALCOHOLIC BEVERAGE	-	-	-	-	-	-	-
56	ALE, BEER, STOUT, PORTER	-	-	-	-	-	-	-
57	WINES	-	-	12	-	125	-	137
58	FERM. ALCOHOLIC BEV.	-	-	-	-	-	-	-
59	DIST. ALCOHOLIC BEV.	-	-	11	30	41	19	101
60	CIGARETTES	-	-	-	-	14	-	14
61	TOBACCO NES	-	-	16,813	-	640	5	17,468
62	TOTAL	9,397,736	-	293,392	43,282	357,844	20,409	10,112,663

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

OTHER BRITISH COMMONWEALTH		OTHER EUROPE		OTHER COUNTRIES		TOTAL		GRAND TOTAL	NO.
TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.		
1,507	306	5,625	3,851	5,788	2,624	13,516	8,591	22,107	171
-	-	232	57	18	12	256	69	325	172
239	-	717	378	275	3,276	2,754	3,681	6,435	173
1,576	977	20,060	18,892	6,306	5,470	56,738	35,724	92,462	174
3,322	1,283	26,634	23,178	12,387	11,382	73,264	48,065	121,329	175
-	-	-	-	-	-	-	-	-	176
-	-	-	-	-	-	121,717	-	121,717	177
-	-	-	-	-	-	121,717	-	121,717	178
422,514	166,877	254,423	2,645,487	716,520	1,257,317	7,610,138	17,637,134	25,247,272	179

TABLE 11B. CARGO TONNAGE DOWNBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

CANADA	U.S.A.	UNITED KINGDOM	UNITED STATES		OTHER EUROPE	OTHER COUNTRIES	TOTAL	GRAND TOTAL	NO.
			OTHER BRITISH COMMONWEALTH	OTHER EUROPE					
-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	6	2
-	-	-	-	-	-	-	-	6	3
-	-	-	-	-	-	-	-	-	4
-	-	11,465	105	28,156	561	40,287	41,246	41,246	5
-	-	-	71	-	-	71	855	855	6
-	-	-	-	82	22	104	150	150	7
-	-	-	-	39	-	39	39	39	8
-	-	-	-	-	-	-	20	20	9
-	-	-	-	258	-	258	280	280	10
-	-	-	-	14	-	14	309	309	11
-	-	39	19,271	62	48,276	67,648	68,801	68,801	12
-	-	301	-	313	10	624	792	792	13
1,002,224	-	12,267	11,038	79,079	-	1,104,608	4,006,824	4,006,824	14
1,441,738	-	321,332	10	1,052,023	-	2,815,104	2,859,707	2,859,707	15
32,581	-	-	-	202,495	1,284	236,360	576,753	576,753	16
-	-	952	-	-	-	952	52,805	52,805	17
1,177,679	-	33,841	918	399,473	79,076	1,690,987	8,144,910	8,144,910	18
-	-	-	-	51	58	109	109	109	19
-	-	309	68,279	91	17,650	86,329	86,360	86,360	20
-	-	419	-	17	-	436	436	436	21
-	-	-	-	6,354	56	6,410	35,632	35,632	22
-	-	180	1,190	-	82,662	84,032	93,790	93,790	23
-	-	40	25,398	768	28,335	54,541	54,807	54,807	24
-	-	-	-	-	-	-	98	98	25
-	-	96	-	1,483	322	1,901	1,901	1,901	26
-	-	-	-	-	-	-	21	21	27
-	-	23	-	76	-	99	99	99	28
-	-	-	-	122	-	122	122	122	29
-	-	-	-	29	-	29	29	29	30
-	-	53	-	289	-	342	566	566	31
-	-	-	-	-	-	-	193	193	32
-	-	-	-	-	-	-	1,139	1,139	33
-	-	-	-	-	-	-	1,355	1,355	34
57,530	-	575	216	15,512	10,797	84,630	91,016	91,016	35
-	-	296	20	1,454	155	1,925	3,676	3,676	36
-	-	420	-	488	973	1,881	2,050	2,050	37
-	-	65	-	-	-	65	65	65	38
-	-	-	9	291	-	300	300	300	39
-	-	-	-	-	-	-	33	33	40
-	-	-	-	-	-	-	7	7	41
-	-	8	-	8	-	16	41	41	42
-	-	-	21	59	-	80	80	80	43
-	-	71,889	2,150	1,344	-	75,383	75,383	75,383	44
-	-	303	179	568	-	1,050	1,112	1,112	45
-	-	1,035	5,532	486	3,409	10,562	11,092	11,092	46
-	-	-	-	-	-	-	113,184	113,184	47
-	-	368	-	6,456	22	6,846	6,957	6,957	48
-	-	332	134	146,886	-	147,352	248,805	248,805	49
-	-	-	-	65,292	-	65,292	72,467	72,467	50
-	-	-	-	26,190	50	26,240	28,737	28,737	51
14,322	-	-	-	508,404	6,520	529,246	550,854	550,854	52
-	-	-	-	-	553	553	761	761	53
9,969	-	5,320	-	1,367	373	17,029	18,031	18,031	54
-	-	-	-	21	-	21	21	21	55
-	-	-	-	4,076	-	4,076	4,076	4,076	56
-	-	-	-	101	72	173	310	310	57
-	-	-	-	50	-	50	50	50	58
-	-	163	-	681	-	844	945	945	59
-	-	-	-	-	-	-	14	14	60
-	-	877	-	11	-	888	18,346	18,346	61
2,735,044	-	462,968	134,641	2,551,019	281,236	7,165,908	17,278,571	17,278,571	62

TABLE 118. CARGO TONNAGE DOWNBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA TO					OTHER COUNTRIES	TOTAL
		CANADA	U.S.A.	UNITED KINGDOM	OTHER BRITISH COMMONWEALTH	OTHER EUROPE		
63	CRUDE MATERIALS, INEDIBLE.	-	-	-	-	-	-	-
64	RAW HIDES AND SKINS	-	-	-	145	7,647	504	8,296
65	CRUDE ANIMAL PROD. NES	-	-	-	-	-	-	-
66	SEEDS FOR SOWING NES	-	-	3,000	-	500	3	3,503
67	FLAXSEED	255,817	-	-	-	60,131	-	315,948
68	MUSTARD SEED	-	-	-	-	16,025	-	16,025
69	RAPESEED	130,991	-	-	-	65,611	-	196,602
70	SOYA BEANS	50,528	-	-	-	56	-	50,584
71	OIL SEEDS, NUTS NES	-	-	-	-	1	-	1
72	NURSERY, GREENHSE. STOCK	-	-	-	-	-	-	-
73	RUBBER ALLIED GUMS NAT.	-	-	-	-	-	-	-
74	CRUDE VEG. PROD. NES	-	-	-	-	16	-	16
75	LOGS	-	-	375	-	1,360	-	1,735
76	PULPWOOD	-	-	-	688	2,352	-	3,040
77	WOOL AND ANIMAL HAIR	-	-	-	-	-	-	-
78	TEXTILE FIBRES NES	-	-	-	832	82	20	934
79	ALUMINA, BAUKITE ORES	-	-	-	-	-	-	-
80	COPPER ORE AND CONC.	-	-	-	-	6,652	-	6,652
81	IRON ORE AND CONC.	-	-	-	-	13	720	733
82	MANGANESE ORE	-	-	-	-	-	-	-
83	NICKEL-COPPER ORE	-	-	-	-	-	-	-
84	ORES AND CONC. NES	-	-	-	-	449	-	449
85	IRON AND STEEL SCRAP	-	-	12,106	-	38,597	85,363	136,066
86	NON-FERROUS MET. SCRAP	-	-	20	58	7,580	2,136	9,794
87	SLAG, DROSS, BY-PRODUCTS ...	10,080	-	14	181	1,727	51	12,053
88	COAL BITUMINOUS	7,848	-	-	-	-	-	7,848
89	COAL NES	-	-	-	-	-	-	-
90	NATURAL GAS	-	-	-	-	-	-	-
91	BENTONITE	-	-	-	-	-	-	-
92	CHINA CLAY	-	-	-	-	-	-	-
93	CLAY MATERIALS NES	-	-	-	-	17	-	17
94	SAND AND GRAVEL	-	-	-	-	-	-	-
95	LIMESTONE	-	-	-	-	129	-	129
96	CRUSHED STONE	-	-	-	-	-	-	-
97	STONE, CRUDE, NES	-	-	-	-	-	-	-
98	GYPSUM	-	-	-	-	-	-	-
99	SALT	349,872	-	-	-	13	-	349,885
100	CRUDE NON-MET. MIN. NES	-	-	5,178	1,379	290	-	6,847
101	COTTON, TEXTILE WASTE	-	-	16	381	836	108	1,341
102	WASTE AND SCRAP NES	5,783	-	-	11	225	7	6,025
103	TOTAL	810,919	-	20,709	3,675	210,309	88,912	1,134,524
104	FABRICATED MATERIALS, INEDIBLE	-	-	-	-	-	-	-
105	LEATHER	-	-	-	-	20	-	20
106	RUBBER FAB. MATERIALS	-	-	-	11	7	-	18
107	LUMBER AND TIMBER	-	-	1,523	27	4,193	2,923	8,666
108	FLOORING	-	-	164	-	-	-	164
109	SAWMILL PROD. NES	-	-	84	-	-	-	84
110	VENEER AND PLYWOOD	-	-	17	176	176	-	369
111	COOPERAGE STOCK ETC.	-	-	-	-	-	-	-
112	WOOD FABRICATED MTL.	-	-	-	-	-	-	-
113	PULP	-	-	24,728	864	10,166	-	35,758
114	NEWSPRINT PAPER	-	10,862	-	3,016	-	32	13,910
115	PAPER NES	-	-	161	1,954	105	101	2,321
116	PAPERBOARD	-	-	-	27	-	-	27
117	BLDG. PAPER AND BOARD	-	-	-	102	27	8	137
118	WET MACHINE BOARD	-	-	-	541	51	6	598
119	CORDAGE, TWINE, ROPE	-	-	-	-	-	27	27
120	TEXTILE FAB. MTL. NES	-	-	-	36	242	-	278
121	ANIMAL OILS, EXC. MARINE	-	-	1,216	651	3,452	2,281	7,600
122	FISH, MARINE ANIMAL OIL	-	-	-	-	-	-	-
123	SOYABEAN OIL	-	-	26,684	-	-	-	26,684
124	VEG. OILS, FATS, NES	-	-	2,604	-	1,568	-	4,172
125	OILS, FATS, WAXES, NES	-	-	2,997	651	548	-	4,196
126	SULPHURIC ACID	-	-	-	-	-	3,957	3,957
127	METALLIC SALTS	26,935	-	66	1,456	277	467	29,201
128	INORGANIC CHEMICALS	40,250	-	1,057	33	1,023	52	42,415
129	GLYCOL	-	-	10,164	-	1,748	-	11,912
130	ORGANIC CHEMICALS NES	-	-	50,508	842	7,087	207	58,624
131	FERTILIZERS	5,079	-	-	-	-	-	5,079
132	FERT. & FERT. MAT. NES	-	-	-	-	354	-	354
133	AGRICULTURAL CHEMICALS	-	-	-	45	12	696	753
134	SYNTHETIC RUBBER	-	-	14,214	3,132	16,962	2,990	37,298
135	PLASTIC MATERIALS	-	-	752	3,316	4,100	2,767	10,935
136	DYESTUFF, PIGMENT, PAINTS	-	-	7	20	44	17	88
137	CHEM. SPECIALTIES NES	-	-	765	185	2,125	-	3,075
138	GASOLINE	62,515	-	-	-	-	-	62,515
139	FUEL OIL	183,468	-	-	-	-	-	183,468
140	LUBRICATING OIL, GREASE	-	-	-	50	17	25	92
141	COKE	66,895	-	-	-	53,408	13,914	134,217
142	ASPHALTS, ROAD OILS	-	-	123	-	-	-	123
143	COAL TAR, PITCH	-	-	-	-	-	-	-
144	PETROL, COAL PROD. NES	17,984	-	-	76	111	25	18,196
145	FERRO-ALLOYS	-	-	2,876	-	135	727	3,738
146	PIG IRON	1,344	-	-	-	-	94,868	96,212
147	PRIMARY IRON, STEEL NES	-	-	-	8	-	57	65

TABLE 118. CARGO TONNAGE DOWNBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

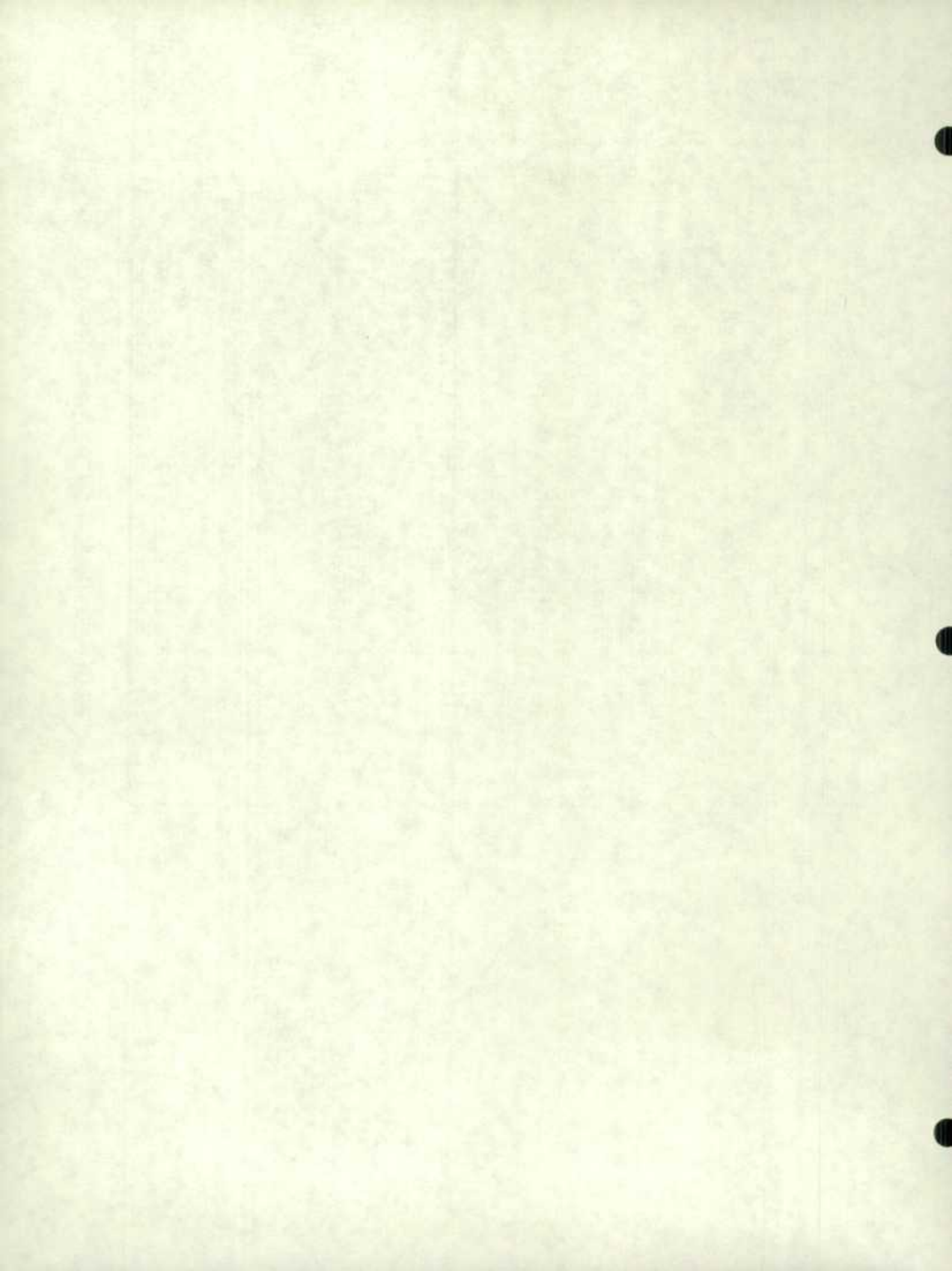
CANADA	U.S.A.	UNITED STATES				TOTAL	GRAND TOTAL	NO.
		UNITED KINGDOM	OTHER BRITISH COMMONWEALTH	OTHER EUROPE	OTHER COUNTRIES			
-	-	-	-	-	-	-	-	53
-	-	476	731	62,239	2,999	66,445	74,741	64
-	-	-	-	117	-	117	117	65
44,747	-	1,097	56	9,777	474	11,404	14,907	66
-	-	-	-	6,203	-	50,950	366,898	67
-	-	-	-	-	-	-	16,025	68
1,604,840	-	20,689	-	425,688	340,295	2,391,512	196,602	69
-	-	-	-	5	-	5	5	70
-	-	6	-	-	-	6	6	71
-	-	-	-	207	-	207	207	72
-	-	-	-	37	-	37	53	73
-	-	29	-	29,426	-	29,455	31,190	74
-	-	-	-	106	-	106	3,146	75
-	-	-	-	30	-	30	30	76
-	-	17	-	461	50	528	1,462	77
-	-	52	-	-	-	52	52	78
-	-	-	-	111	-	111	6,763	79
308,165	-	-	-	22	-	308,187	308,920	80
459	-	-	-	14	-	473	473	81
-	-	-	-	72	-	72	72	82
600	27,672	74	-	18	77	169	618	83
-	-	141,766	-	296,569	357,840	824,447	960,513	84
-	-	911	-	26,720	13,371	41,002	50,796	85
-	-	1,292	-	684	182	2,158	14,211	86
320,628	-	202	-	-	-	320,830	328,678	87
-	-	105	-	-	-	105	105	88
11,146	-	2,215	-	1,988	-	15,349	15,349	89
125,821	-	18,869	-	26,546	141	171,377	171,377	90
-	-	-	-	88	-	88	88	91
17,425	-	13,598	34	51,985	86	83,128	83,145	92
-	-	579	15	720	51	1,365	1,365	93
-	-	-	-	-	-	-	129	94
-	-	-	-	3	-	3	3	95
-	-	-	-	5	-	5	5	96
-	-	17	-	407	-	424	424	97
115,708	-	-	-	-	-	115,708	465,593	98
-	-	435	-	996	338	1,769	8,616	99
-	-	149	71	1,669	38	1,927	3,268	100
-	-	9	-	2,839	9	2,857	8,883	101
2,549,539	27,672	202,587	307	945,752	715,951	4,442,408	5,576,932	102
-	-	-	-	-	-	-	-	103
-	-	13	-	137	-	150	170	104
-	-	-	-	15	-	15	33	105
-	-	1,783	78	2,938	213	5,012	13,678	106
-	-	70	-	-	-	70	234	107
-	-	-	-	-	-	-	84	108
-	-	41	-	802	53	896	1,265	109
-	-	7	-	1,117	60	1,184	1,184	110
-	-	-	7	12	106	125	125	111
-	-	-	-	-	-	-	35,758	112
-	-	-	955	8	-	963	14,873	113
-	-	51	126	3,200	19	3,396	5,717	114
-	-	-	-	32	-	32	59	115
-	-	111	11	75	59	256	393	116
-	-	-	-	-	-	-	598	117
-	-	-	-	-	-	-	27	118
-	-	9	-	8	-	17	295	119
-	-	11,500	550	100,711	18,145	131,006	138,605	120
-	-	-	-	1,044	1,424	2,468	2,468	121
-	-	-	-	-	-	-	26,684	122
-	-	579	10	5,990	1,252	7,831	12,003	123
-	-	923	-	3,019	13	3,955	8,151	124
-	-	-	-	-	-	-	3,957	125
10,549	-	635	102	4,205	1,578	17,069	46,270	126
10,804	-	108	371	1,369	3,165	15,817	58,232	127
-	-	-	6	-	51	57	11,969	128
-	-	2,343	2,599	20,538	4,576	30,056	88,680	129
-	-	-	-	-	-	-	5,079	130
-	-	-	114	37	11	162	516	131
-	-	63	103	217	298	681	1,434	132
-	-	188	639	5,536	2,324	8,687	45,985	133
-	-	366	3,432	3,795	2,602	10,195	21,130	134
-	-	12	-	100	55	167	255	135
-	-	1,981	1,128	8,791	3,078	14,978	18,053	136
-	-	-	-	-	-	-	62,515	137
-	43,357	-	-	-	-	43,357	226,825	138
127	-	220	235	3,354	134	4,100	4,192	139
344,318	-	-	-	117,112	-	361,430	495,647	140
-	-	1,780	-	1,781	-	3,561	3,694	141
22,740	-	68	-	608	-	23,416	23,416	142
-	-	239	100	635	22	996	19,192	143
-	-	234	-	3,210	10	3,454	7,192	144
23,971	-	-	-	-	-	23,971	182,116	145
6,679	-	218,586	2,546	136,860	62,333	85,904	182,116	146
-	-	-	-	-	19,117	381,788	381,953	147

TABLE 11B. CARGO TONNAGE DOWNBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA TO					OTHER COUNTRIES	TOTAL
		CANADA	U.S.A.	UNITED KINGDOM	OTHER BRITISH COMMONWEALTH	OTHER EUROPE		
148	CASTINGS, FORGINGS	24,455	-	2,167	-	-	-	26,622
149	BARNS AND RODS, STEEL	468	-	25,156	4,353	14,015	8,713	52,705
150	PLATE & SHEET STEEL	-	-	2,858	13,974	82,003	29,935	128,770
151	STRUCTURAL SHAPES	5,713	-	1,404	1,813	5,971	1,915	16,816
152	RAILS AND TRACK MTL.	-	-	-	-	-	-	-
153	PIPE, TUBE, IRON & STEEL ...	-	-	55	111	303	6	475
154	WIRE	-	-	299	90	751	229	1,369
155	ALUMINUM	-	-	10	636	1,672	-	2,318
156	COPPER AND ALLOYS	-	-	1,634	98	13,414	2,709	17,855
157	LEAD AND ALLOYS	-	-	-	-	276	-	276
158	NICKEL AND ALLOYS	-	-	64	23	3,542	-	3,629
159	ZINC AND ALLOYS	-	-	293	-	4,617	40	4,950
160	NON-FERROUS METAL NES	-	-	-	6	-	-	6
161	METAL FAB. BASIC PROD.	8,000	-	113	1,029	774	809	10,725
162	BUILDING BRICK, CLAY	-	-	-	114	-	-	114
163	BRICKS, TILES, NES	-	-	-	76	-	-	76
164	GLASS BASIC PRODUCTS	-	-	-	2,361	187	80	2,628
165	ASBESTOS BASIC PROD.	-	-	-	6	-	-	6
166	CEMENT	-	-	-	-	42	-	42
167	CEMENT BASIC PROD.	-	-	-	-	-	-	-
168	NON-MET. MIN. BASIC PROD. ..	3,004	-	6,235	179	2,008	33	11,459
169	MISC. FABRICATED PROD.	-	-	21	52	152	-	225
170	TOTAL	446,110	10,862	181,019	42,140	237,665	170,616	1,088,412
171	END PRODUCTS, INEDIBLE.	-	-	-	-	-	-	-
172	TRACTORS	-	-	-	-	163	60	1,338
173	MACHINERY NES	143	-	525	2,391	1,618	1,133	5,810
174	RAILWAY ROLLING STOCKS	-	-	-	-	3,517	-	3,517
175	PASS. AUTOS & CHASSIS	-	-	-	-	30	3,149	3,179
176	TRUCKS AND CHASSIS	-	-	5	85	-	528	618
177	MILITARY MOTOR VEH. & TRA. ..	-	-	-	-	14	-	14
178	MOTOR VEHICLE ENGINES	-	-	25	314	2,263	177	2,779
179	ROAD MOTOR VEH. NES	-	-	4	20	-	-	24
180	SHIPS, AIRCRAFT, MIS. VEH. ..	-	-	11	-	13	63	87
181	RUBBER TIRES & TUBES	-	-	24	-	81	5	110
182	EQUIPMENT	-	-	420	341	640	165	1,566
183	TOTAL	143	-	1,014	4,266	8,339	5,280	19,342
184	MISCELLANEOUS FREIGHT N.E.S. ...	-	-	-	-	-	-	-
185	PERSONAL, HSEHOLD. GOODS ...	-	-	197	296	557	112	1,152
186	FIREARMS, AMMUNITION	-	-	-	-	-	-	-
187	CONTAINERS, CLOSURES	-	-	164	284	532	63	1,043
188	MISC. END PRODUCTS	-	-	983	2,447	3,786	1,380	8,596
189	TOTAL	-	-	1,344	3,027	4,875	1,555	10,801
190	DOMESTIC PACKAGE FREIGHT	-	-	-	-	-	-	-
191	DOMESTIC PACKAGE FRT.	273,849	-	-	-	-	-	273,849
192	TOTAL	273,849	-	-	-	-	-	273,849
193	GRAND TOTALS	10,928,757	10,862	497,478	96,390	819,038	286,772	12,639,297

TABLE 11B. CARGO TONNAGE DOWNBOUND THROUGH THE ST. LAWRENCE CANALS BY COMMODITY, ORIGIN AND DESTINATION.

CANADA	U. S. A.	UNITED STATES			OTHER EUROPE	OTHER COUNTRIES	TOTAL	GRAND TOTAL	NO.
		UNITED KINGDOM	OTHER BRITISH COMMONWEALTH						
-	-	139	-	1,104	91	1,334	27,956	148	
-	-	10,478	142	24,368	4,285	39,273	91,978	149	
25,041	-	9,113	24,387	252,719	165	311,425	440,195	150	
9,380	-	141	4,428	15,944	623	30,516	47,332	151	
1,105	-	-	-	17	-	1,122	1,122	152	
-	-	104	-	347	8	459	934	153	
-	-	43	-	616	7,124	7,783	9,152	154	
-	-	154	-	3,572	83	3,809	6,127	155	
-	-	232	-	3,256	127	3,615	21,470	156	
-	-	-	-	-	9	9	285	157	
-	-	364	-	624	20	1,008	4,637	158	
-	-	-	-	-	-	-	4,950	159	
-	-	18	-	596	-	614	620	160	
13	-	439	354	409	796	2,021	12,746	161	
-	-	-	-	77	-	77	191	162	
-	-	6	-	1,114	18	1,138	1,214	163	
-	-	58	-	6,287	12	6,357	8,985	164	
-	-	10	-	-	-	10	16	165	
-	-	-	-	24	8	32	74	166	
-	-	-	35	21	-	56	56	167	
-	-	2,121	523	1,462	71	4,177	15,636	168	
-	-	105	21	335	6	667	692	169	
352,327	43,357	265,435	43,112	740,178	134,144	1,578,553	2,666,965	170	
-	-	-	-	-	-	-	-	171	
-	-	1,809	941	6,639	543	9,932	11,270	172	
951	-	11,786	3,247	24,922	6,666	47,572	53,382	173	
-	-	-	-	454	483	937	4,454	174	
4	-	47	7,207	1,442	1,300	10,000	13,179	175	
-	-	185	3,573	799	2,501	7,158	7,776	176	
-	-	-	-	208	1,623	1,831	1,845	177	
-	-	1,806	4,173	3,441	1,190	10,610	13,389	178	
-	-	71	667	786	694	2,218	2,242	179	
-	-	145	28	587	-	760	847	180	
-	-	234	11	521	-	766	876	181	
-	-	766	157	3,888	351	5,162	6,728	182	
999	-	16,849	20,104	43,687	15,351	96,946	115,988	183	
-	-	-	-	-	-	-	-	184	
-	-	506	1,854	1,505	1,472	5,347	6,509	185	
-	-	-	-	1,008	1,246	2,254	2,254	186	
-	-	103	7	1,844	104	2,058	3,101	187	
6	-	2,607	755	10,577	2,598	16,543	25,139	188	
6	-	3,216	2,526	14,934	5,420	26,202	37,003	189	
-	-	-	-	-	-	-	-	190	
-	-	-	-	-	-	-	273,849	191	
-	-	-	-	-	-	-	273,849	192	
6,638,871	71,029	951,055	201,390	4,295,570	1,152,102	13,310,017	25,949,314	193	



SECTION III

THE WELAND CANAL SECTION
OF THE ST. LAWRENCE SEAWAY

SECTION 11
SECTION 12
SECTION 13
SECTION 14
SECTION 15

TABLE 1. NUMBER AND TONNAGE OF VESSELS, CARGO TONNAGE, AND PASSENGERS THROUGH THE WELAND CANAL BY KIND OF VESSEL.

KIND OF VESSEL	NUMBER OF VESSELS			REGISTERED NET TONS	GROSS TONS	CARGO TONS	NUMBER OF PASSENGERS
	IN BALLAST	WITH CARGO	TOTAL				
UPBOUND.							
CARGO	1,218	1,728	2,946	21,823,799	29,705,821	19,547,250	347
TANKER	113	259	372	960,599	1,468,924	1,434,481	
TUG OR DREDGE	55		55	154	9,970		
TUG AND SCOW	75	73	148	196,330	196,640	177,401	
NAVAL OR GOVERNMENT	37		37	3,349	36,009		
OTHER	32	2	34	1,334	24,401	1,905	
TOTAL	1,530	2,062	3,592	22,985,565	31,441,765	21,161,037	347
DOWNBOUND.							
CARGO	130	2,830	2,960	21,820,302	29,910,262	40,775,878	321
TANKER	210	167	377	979,780	1,506,797	814,900	
TUG OR DREDGE	47	2	49	2,579	9,578	2,521	
TUG AND SCOW	59	85	144	196,483	198,165	211,174	
NAVAL OR GOVERNMENT	50		50	2,020	40,079		
OTHER	28		28	28	17,637		
TOTAL	524	3,084	3,608	23,001,192	31,682,518	41,804,473	321
GRAND TOTALS	2,054	5,146	7,200	45,986,757	63,124,283	62,965,510	668

TABLE 2. NUMBER AND TONNAGE OF VESSELS, CARGO TONNAGE, AND PASSENGERS THROUGH THE WELAND CANAL BY REGISTRY OF VESSEL.

COUNTRY OF REGISTRY	NUMBER OF VESSELS			REGISTERED NET TONS	GROSS TONS	CARGO TONS	NUMBER OF PASSENGERS
	IN BALLAST	WITH CARGO	TOTAL				
UPBOUND							
CANADA	1,188	1,139	2,327	17,416,339	22,270,429	15,237,652	200
UNITED STATES	124	80	204	428,705	570,991	258,818	
UNITED KINGDOM	20	106	126	534,568	985,186	719,652	5
OTHER BRITISH COMMONWEALTH	42	97	139	700,338	1,017,398	835,040	
BELGIUM	1	5	6	59,302	77,172	60,815	
DENMARK		17	17	103,306	179,153	195,402	
FINLAND	1		1	1,320	2,847		
FRANCE	9	40	49	301,620	507,488	454,418	
GERMANY	22	178	200	598,923	1,005,157	545,710	64
GREECE	16	52	68	341,477	571,223	351,073	
ITALY	5	31	36	180,319	328,114	269,086	
NETHERLANDS	7	3	10	46,451	86,795	15,523	
NORWAY	35	125	160	830,690	1,479,386	778,741	28
SWEDEN	6	13	19	89,702	139,605	35,169	13
SPAIN	3	8	11	43,153	68,343	43,606	
YUGOSLAVIA	13	15	28	124,610	214,722	79,539	37
OTHER EUROPEAN COUNTRIES	3	7	10	49,773	86,084	31,511	
PANAMA	1	4	5	25,786	43,971	31,248	
SOUTH AMERICAN COUNTRIES		5	5	25,818	36,625	6,782	
MIDDLE EAST COUNTRIES	7	13	20	123,344	209,294	113,658	
JAPAN	4	36	40	211,033	356,885	194,831	
LIBERIA	23	88	111	748,988	1,204,897	902,763	
TOTAL	1,530	2,062	3,592	22,985,565	31,441,765	21,161,037	347
DOWNBOUND							
CANADA	375	1,953	2,328	17,408,136	22,407,038	32,520,646	200
UNITED STATES	57	161	218	457,930	618,849	699,224	
UNITED KINGDOM	22	104	126	535,860	988,331	934,550	
OTHER BRITISH COMMONWEALTH	24	115	139	692,806	1,012,401	1,162,245	
BELGIUM		7	7	61,101	79,782	88,147	
DENMARK	1	16	17	100,035	179,153	186,345	
FINLAND		1	1	1,320	2,847	2,352	
FRANCE	1	48	49	307,574	495,499	564,490	
GERMANY	10	191	201	594,401	1,081,259	939,922	70
GREECE	5	64	69	357,187	594,101	571,473	
ITALY	2	33	35	172,180	315,543	326,072	
NETHERLANDS		10	10	46,451	86,795	98,849	
NORWAY	20	141	161	838,361	1,463,642	1,463,826	
SWEDEN		18	18	88,511	137,604	121,742	
SPAIN		10	10	32,465	52,974	51,144	
YUGOSLAVIA	3	25	28	125,819	216,254	224,983	51
OTHER EUROPEAN COUNTRIES	2	9	11	53,701	96,761	61,945	
PANAMA		5	5	25,781	43,971	41,940	
SOUTH AMERICAN COUNTRIES		5	5	25,802	36,625	7,955	
MIDDLE EAST COUNTRIES		21	21	125,337	213,513	188,553	
JAPAN		39	39	205,891	347,573	208,088	
LIBERIA	2	108	110	744,543	1,190,003	1,339,982	
TOTAL	524	3,084	3,608	23,001,192	31,682,518	41,804,473	321
GRAND TOTALS	2,054	5,146	7,200	45,986,757	63,124,283	62,965,510	668

TABLE 3. NUMBER AND TONNAGE OF VESSELS, CARGO TONNAGE, AND PASSENGERS THROUGH THE WELLAND CANAL BY LENGTH OF VESSEL.

LENGTH OF VESSEL	NUMBER OF VESSELS			REGISTERED NET TONS	GROSS TONS	CARGO TONS	NUMBER OF PASSENGERS
	IN BALLAST	WITH CARGO	TOTAL				
UPBOUND.							
UNDER 80 FEET	61		61	1,049	4,244		200
80 TO 119 FEET	44		44	5,601	10,624		
120 TO 159 FEET	41		50	13,604	24,609	4,028	
160 TO 199 FEET	12	9	23	9,906	21,068	7,958	
200 TO 239 FEET	30	71	101	114,014	142,192	168,101	
240 TO 279 FEET	125	120	245	356,200	528,939	414,012	
280 TO 319 FEET	55	45	100	156,424	235,303	151,548	
320 TO 359 FEET	58	174	232	515,213	795,077	713,023	6
360 TO 399 FEET	55	166	221	583,826	903,556	694,646	23
400 TO 439 FEET	52	103	155	478,213	769,166	430,380	13
440 TO 479 FEET	61	245	306	1,235,489	1,935,949	860,015	53
480 TO 519 FEET	69	248	317	1,566,542	2,720,412	1,714,634	50
520 TO 559 FEET	105	222	327	1,952,438	2,812,697	2,185,148	2
560 TO 599 FEET	37	114	151	1,066,309	1,637,141	1,463,701	
600 TO 639 FEET	72	118	190	1,461,953	1,961,413	1,779,867	
640 TO 679 FEET	84	69	153	1,404,004	1,908,747	1,370,470	
680 TO 759 FEET	569	347	916	12,064,780	15,030,628	9,203,806	
TOTAL	1,530	2,062	3,592	22,985,565	31,441,765	21,161,037	347
DOWNBOUND.							
UNDER 80 FEET	57	1	58	3,897	7,796	5,384	200
80 TO 119 FEET	52		52	5,320	12,949		
120 TO 159 FEET	30	14	44	15,248	113,671	15,307	
160 TO 199 FEET	12	14	26	10,544	20,963	8,954	
200 TO 239 FEET	25	70	95	107,637	130,910	160,528	
240 TO 279 FEET	85	166	251	362,198	540,432	603,765	
280 TO 319 FEET	12	90	102	157,420	239,632	296,623	
320 TO 359 FEET	89	142	231	504,709	774,069	632,870	7
360 TO 399 FEET	63	159	222	582,395	901,975	651,707	16
400 TO 439 FEET	21	139	160	493,934	796,615	758,475	
440 TO 479 FEET	9	301	310	1,256,423	2,047,820	1,529,025	40
480 TO 519 FEET	21	296	317	1,561,165	2,710,503	2,552,677	58
520 TO 559 FEET	20	309	329	1,971,573	2,846,065	3,543,273	
560 TO 599 FEET	19	131	150	1,054,733	1,606,216	1,776,527	
600 TO 639 FEET	5	188	193	1,495,392	2,003,703	2,863,938	
640 TO 679 FEET	2	150	152	1,394,591	1,898,466	2,849,449	
680 TO 759 FEET	2	914	916	12,024,013	15,030,733	23,556,191	
TOTAL	524	3,084	3,608	23,001,192	31,682,518	41,804,475	531
GRAND TOTALS	2,054	5,146	7,200	45,986,757	63,124,283	62,965,510	668

TABLE 4A. NUMBER AND TONNAGE OF VESSELS UPBOUND THROUGH THE WELLAND CANAL BY REGISTRY OF VESSEL, ORIGIN AND DESTINATION.

ORIGIN AND COUNTRY OF REGISTRY	DESTINED TO						TOTAL		
	CANADA			UNITED STATES			VESSELS	REG. NET	GROSS TONS
	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS			
PORTS ON LAKE ONTARIO.									
COUNTRY OF REGISTRY									
CANADA	585	2,485,565	3,342,466	603	6,268,186	7,896,622	1,188	8,753,751	11,239,088
UNITED STATES	5	5,376	8,729	85	194,474	271,266	90	199,850	279,995
UNITED KINGDOM	3	11,060	19,653				3	11,060	19,653
OTHER COMMONWEALTH COUNTRIES ..	2	9,188	11,551	98	527,448	727,858	100	536,636	739,409
GERMANY				1	1,940	2,830	1	1,940	2,830
LIBERIA				1	3,657	6,087	1	3,657	6,087
TOTAL	595	2,511,189	3,382,399	788	6,995,705	8,904,663	1,383	9,506,894	12,287,062
PORTS ON THE ST. LAWRENCE RIVER.									
COUNTRY OF REGISTRY									
CANADA	420	2,675,918	3,467,512	693	5,918,721	7,463,958	1,113	8,594,639	10,931,470
UNITED STATES				11	36,121	54,975	11	36,121	54,975
OTHER COMMONWEALTH COUNTRIES ..				6	24,600	31,307	6	24,600	31,307
GREECE				2	13,244	22,412	2	13,244	22,412
NORWAY				2	8,418	21,732	2	8,418	21,732
LIBERIA				8	52,640	86,231	8	52,640	86,231
TOTAL	420	2,675,918	3,467,512	722	6,053,744	7,680,615	1,142	8,729,662	11,148,127
PORTS OTHER THAN ON LAKE ONTARIO AND THE ST. LAWRENCE RIVER.									
COUNTRY OF REGISTRY									
CANADA	7	19,849	27,314	19	48,100	72,557	26	67,949	99,871
UNITED STATES				103	192,734	236,021	103	192,734	236,021
UNITED KINGDOM	8	41,432	68,184	115	482,076	897,349	123	523,508	965,533
OTHER COMMONWEALTH COUNTRIES ..	3	6,105	12,383	30	132,997	234,299	33	139,102	246,682
BELGIUM				6	59,302	77,172	6	59,302	77,172
DENMARK	2	8,459	11,884	15	94,847	167,269	17	103,306	179,153
FINLAND	1	1,320	2,847				1	1,320	2,847

TABLE 4A. NUMBER AND TONNAGE OF VESSELS UPBOUND THROUGH THE WELLAND CANAL BY REGISTRY OF VESSEL, ORIGIN AND DESTINATION.

ORIGIN AND COUNTRY OF REGISTRY	CANADA			DESTINED TO UNITED STATES			TOTAL		
	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS
FRANCE	3	13,879	25,661	46	287,741	481,827	49	301,620	507,488
GERMANY	4	10,904	16,788	195	586,079	985,539	199	596,983	1,002,327
GREECE	3	25,054	40,315	63	303,179	508,496	66	328,233	548,811
ITALY	5	21,895	38,382	31	158,424	289,732	36	180,319	328,114
NETHERLANDS	3	12,826	23,513	7	33,625	63,282	10	46,451	86,795
NORWAY	14	47,213	91,167	144	775,059	1,366,487	158	822,272	1,457,654
SWEDEN	1	6,504	11,376	18	83,198	128,229	19	89,702	139,605
SPAIN				11	43,153	68,343	11	43,153	68,343
YUGOSLAVIA				28	124,610	214,722	28	124,610	214,722
OTHER EUROPEAN COUNTRIES	2	3,113	6,746	8	46,660	79,338	10	49,773	86,084
PANAMA				5	25,786	43,971	5	25,786	43,971
SOUTH AMERICAN COUNTRIES				5	25,818	36,625	5	25,818	36,625
MIDDLE EAST COUNTRIES				20	123,344	209,294	20	123,344	209,294
JAPAN				40	211,033	356,885	40	211,033	356,885
LIBERIA	4	28,551	46,345	98	664,140	1,066,234	102	692,691	1,112,579
TOTAL	60	247,104	422,905	1,007	4,501,905	7,583,671	1,067	4,745,009	8,006,576
GRAND TOTALS	1,075	5,434,211	7,272,816	2,517	17,551,354	24,168,549	3,592	22,985,565	31,441,745

TABLE 4B. NUMBER AND TONNAGE OF VESSELS DOWNBOUND THROUGH THE WELLAND CANAL BY REGISTRY OF VESSEL, ORIGIN AND DESTINATION.

DESTINATION AND COUNTRY OF REGISTRY	CANADA			ORIGINATING IN UNITED STATES			TOTAL		
	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS
PORT ON LAKE ONTARIO.									
COUNTRY OF REGISTRY									
CANADA	605	2,641,696	3,626,125	580	6,081,482	7,678,509	1,185	8,723,178	11,304,634
UNITED STATES	3	2,652	3,694	82	199,061	271,642	85	201,713	275,336
OTHER COMMONWEALTH COUNTRIES	16	67,576	85,716	85	466,590	654,420	101	534,166	740,136
NORWAY				1	995	1,579	1	995	1,979
TOTAL	624	2,711,924	3,715,535	748	6,748,128	8,606,550	1,372	9,460,052	12,322,085
PORTS ON THE ST. LAWRENCE RIVER.									
COUNTRY OF REGISTRY									
CANADA	666	5,198,580	6,669,570	441	3,375,338	4,267,104	1,107	8,573,918	10,936,674
UNITED STATES				13	51,732	71,749	13	51,732	71,749
UNITED KINGDOM				1	6,663	11,687	1	6,663	11,687
OTHER COMMONWEALTH COUNTRIES				4	16,894	21,429	4	16,894	21,429
GERMANY				1	2,478	3,345	1	2,478	3,345
TOTAL	666	5,198,580	6,669,570	460	3,453,105	4,375,314	1,126	8,651,685	11,044,884
PORTS OTHER THAN ON LAKE ONTARIO AND THE ST. LAWRENCE RIVER.									
COUNTRY OF REGISTRY									
CANADA	34	106,952	157,771	2	4,088	7,959	36	111,040	165,730
UNITED STATES				120	204,485	271,764	120	204,485	271,764
UNITED KINGDOM	14	72,946	124,377	111	456,251	852,267	125	529,197	976,644
OTHER COMMONWEALTH COUNTRIES	6	14,283	27,168	28	127,463	223,668	34	141,746	250,836
BELGIUM	1	9,399	13,020	6	51,702	66,762	7	61,101	79,782
DENMARK	4	28,627	52,775	13	71,408	126,378	17	100,035	179,153
FINLAND	1	1,320	2,847				1	1,320	2,847
FRANCE	2	10,076	18,552	47	297,498	476,547	49	307,574	495,499
GERMANY	20	69,846	109,568	180	522,077	968,346	200	591,923	1,077,914
GREECE	5	29,824	49,972	64	327,363	544,129	69	357,187	594,101
ITALY	9	45,994	81,537	26	126,186	234,006	35	172,180	315,543
NETHERLANDS	3	12,826	23,513	7	33,625	63,282	10	46,451	86,795
NORWAY	19	65,025	119,804	141	772,341	1,363,859	160	837,366	1,483,663
SWEDEN	1	6,504	11,376	17	82,007	126,228	18	88,511	137,604
SPAIN				10	32,465	52,974	10	32,465	52,974
YUGOSLAVIA				28	125,819	216,254	28	125,819	216,254
OTHER EUROPEAN COUNTRIES	3	8,853	17,306	8	44,848	79,455	11	53,701	96,761
PANAMA	1	3,249	6,504	4	22,532	37,467	5	25,781	43,971
SOUTH AMERICAN COUNTRIES				5	25,802	36,625	5	25,802	36,625
MIDDLE EAST COUNTRIES				21	125,337	213,513	21	125,337	213,513
JAPAN	1	7,908	12,626	38	197,983	334,947	39	205,891	347,573
LIBERIA	13	96,952	155,131	97	647,591	1,034,872	110	744,543	1,190,003
TOTAL	137	590,584	983,847	973	4,298,871	7,331,702	1,110	4,889,455	8,315,549
GRAND TOTALS	1,427	8,501,088	11,368,952	2,181	14,500,104	20,313,566	3,608	23,001,192	31,682,518

TABLE 5. NUMBER AND TONNAGE OF VESSELS THROUGH THE WELLAND CANAL BY REGISTRY OF VESSEL AND BY RIG.

COUNTRY OF REGISTRY	STEAM			MOTOR			OTHER			TOTAL		
	NO. OF VESSELS	REG. NET TDNS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS
UPBOUND.												
CANADA	1,229	10,513,301	13,455,591	1,050	6,854,496	8,765,986	48	48,542	48,852	2,327	17,416,339	22,270,429
UNITED STATES	24	115,861	167,969	80	165,056	255,234	100	147,788	147,788	204	428,705	570,991
UNITED KINGDOM	4	12,598	25,050	122	521,970	960,136				126	534,568	985,186
OTHER BRITISH COMMONWEALTH	109	565,598	778,843	30	134,740	238,555				139	700,338	1,017,398
BELGIUM	2	3,598	5,220	4	55,704	71,952				6	59,302	77,172
DENMARK				17	103,306	179,153				17	103,306	179,153
FINLAND				1	1,320	2,847				1	1,320	2,847
FRANCE				49	301,620	507,488				49	301,620	507,488
GERMANY	2	6,355	10,992	198	592,568	994,165				200	598,923	1,005,157
GREECE	4	11,720	20,025	64	329,757	551,198				68	341,477	571,223
ITALY				36	180,319	328,114				36	180,319	328,114
NETHERLANDS				10	46,451	86,795				10	46,451	86,795
NORWAY				160	830,690	1,479,386				160	830,690	1,479,386
SWEDEN				19	89,702	139,605				19	89,702	139,605
SPAIN				11	43,153	68,343				11	43,153	68,343
YUGOSLAVIA				28	124,610	214,722				28	124,610	214,722
OTHER EUROPEAN				10	49,773	86,084				10	49,773	86,084
PANAMA	1	4,645	7,645	4	21,141	36,326				5	25,786	43,971
SOUTH AMERICAN				5	25,818	36,625				5	25,818	36,625
MIDDLE EAST	1	6,323	10,320	19	117,021	198,974				20	123,344	209,294
JAPAN				40	211,033	356,885				40	211,033	356,885
LIBERIA	2	15,236	24,309	109	733,752	1,180,588				111	748,988	1,204,897
TOTAL	1,378	11,255,235	14,505,964	2,066	11,534,000	16,739,161	148	196,330	196,640	3,592	22,985,565	31,441,765
DOWNBOUND.												
CANADA	1,235	10,495,298	13,456,341	1,054	6,873,864	8,910,861	39	38,974	39,836	2,328	17,408,136	22,407,038
UNITED STATES	26	118,950	174,299	87	181,471	286,221	105	157,509	158,329	218	457,930	618,849
UNITED KINGDOM	6	21,856	40,459	120	514,004	947,872				126	535,860	988,331
OTHER BRITISH COMMONWEALTH	108	555,422	769,692	31	137,384	242,709				139	692,806	1,012,401
BELGIUM				7	61,101	79,782				7	61,101	79,782
DENMARK				17	100,035	179,153				17	100,035	179,153
FINLAND				1	1,320	2,847				1	1,320	2,847
FRANCE				49	307,574	495,499				49	307,574	495,499
GERMANY	1	1,477	2,411	200	592,924	1,078,848				201	594,401	1,081,259
GREECE	2	8,409	14,694	67	348,778	579,407				69	357,187	594,101
ITALY				35	172,180	315,543				35	172,180	315,543
NETHERLANDS				10	46,451	86,795				10	46,451	86,795
NORWAY				161	838,361	1,485,642				161	838,361	1,485,642
SWEDEN				18	88,511	137,604				18	88,511	137,604
SPAIN				10	32,465	52,974				10	32,465	52,974
YUGOSLAVIA				28	125,819	216,254				28	125,819	216,254
OTHER EUROPEAN				11	53,701	96,761				11	53,701	96,761
PANAMA	1	4,645	7,645	5	25,781	43,971				5	25,781	43,971
SOUTH AMERICAN				5	25,802	36,625				5	25,802	36,625
MIDDLE EAST				21	125,337	213,513				21	125,337	213,513
JAPAN				39	205,891	347,573				39	205,891	347,573
LIBERIA	2	14,332	23,631	108	730,211	1,166,372				110	744,543	1,190,003
TOTAL	1,380	11,215,744	14,481,527	2,086	11,588,965	17,002,826	144	196,483	198,165	3,608	23,001,192	31,682,518
GRAND TOTALS ..	2,758	22,470,979	28,987,491	4,150	23,122,965	33,741,987	292	392,813	394,805	7,200	45,986,757	63,124,283

TABLE 6. NUMBER AND TONNAGE OF VESSELS THROUGH THE WELLAND CANAL BY KIND AND LENGTH.

KIND AND LENGTH OF VESSEL	UPBOUND			DOWNBOUND			TOTAL		
	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS
CARGO VESSEL.									
UNDER 80 FEET	1	1	195	2	3,056	4,054	3	3,057	4,249
120 TO 159 FEET	15	3,294	6,141	15	3,420	9,189	30	6,714	102,330
160 TO 199 FEET	15	5,034	9,374	17	5,652	10,593	32	10,686	19,967
200 TO 239 FEET	1	3,055	3,859				1	3,055	3,859
240 TO 279 FEET	138	214,264	303,133	142	219,352	311,333	280	433,616	614,466
280 TO 319 FEET	44	74,989	120,886	44	74,875	119,957	88	149,864	240,843
320 TO 359 FEET	146	324,598	496,144	146	320,701	487,518	292	645,399	983,662
360 TO 399 FEET	145	337,317	550,398	146	335,446	547,330	291	672,765	1,097,728
400 TO 439 FEET	115	337,564	561,904	119	350,724	584,406	234	688,288	1,146,310
440 TO 479 FEET	303	1,225,502	1,918,294	306	1,243,417	2,022,165	609	2,468,919	3,940,459
480 TO 519 FEET	307	1,518,479	2,633,355	307	1,512,935	2,623,444	614	3,031,413	5,256,799
520 TO 559 FEET	312	1,846,330	2,655,404	311	1,845,770	2,655,350	623	3,692,100	5,310,754
560 TO 599 FEET	150	1,359,014	1,624,386	149	1,047,438	1,593,461	299	2,106,452	3,217,847
600 TO 639 FEET	185	1,405,473	1,882,973	188	1,438,912	1,924,263	373	2,844,385	3,808,236
640 TO 679 FEET	153	1,404,004	1,908,747	152	1,394,591	1,894,466	305	2,798,595	3,807,211
680 TO 759 FEET	916	12,064,783	15,030,628	916	12,024,013	15,030,733	1,832	24,088,793	30,061,361
TOTALS	2,946	21,923,799	29,705,821	2,960	21,820,302	29,910,262	5,906	43,644,101	59,616,083

TABLE 6. NUMBER AND TONNAGE OF VESSELS THROUGH THE WELLAND CANAL BY KIND AND LENGTH.

KIND AND LENGTH OF VESSEL	UPBOUND			DOWNBOUND			TOTAL		
	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS
TANKER.									
200 TO 239 FEET	1	1,572	2,620	1	1	1,200	2	1,673	3,820
240 TO 279 FEET	94	123,561	200,249	94	122,874	199,474	188	246,515	399,723
280 TO 319 FEET	53	73,947	106,929	54	75,173	110,464	107	149,120	217,413
320 TO 359 FEET	79	173,313	273,567	78	166,506	261,185	157	339,519	534,752
360 TO 399 FEET	74	241,571	346,945	74	242,013	348,432	148	483,594	695,377
400 TO 439 FEET	60	140,649	207,262	41	143,210	212,209	81	283,859	419,471
440 TO 479 FEET	3	9,387	17,655	4	13,006	25,655	7	22,993	43,310
480 TO 519 FEET	10	48,064	87,057	10	48,230	87,059	20	96,294	174,116
520 TO 559 FEET	12	64,260	135,445	15	104,992	169,904	27	189,252	305,149
560 TO 599 FEET	1	7,295	12,755	1	7,295	12,755	2	14,590	25,510
600 TO 699 FEET	5	55,480	78,440	5	56,480	78,440	10	112,960	156,880
TOTALS	372	960,599	1,468,924	377	979,780	1,506,797	749	1,940,379	2,975,721
TUG OR DREDGE.									
UNDER 80 FEET	23	122	1,857	23	41	1,769	46	163	3,626
80 TO 119 FEET	22	22	3,967	21	21	5,556	43	43	7,523
120 TO 159 FEET	10	10	4,166	2	215	822	12	225	4,968
160 TO 199 FEET				1	381	769	1	381	769
200 TO 239 FEET				2	1,921	2,662	2	1,921	2,662
TOTALS	55	154	9,970	49	2,579	9,578	104	2,733	19,548
TUG AND SLOW.									
UNDER 80 FEET	7	881	881	6	773	773	13	1,654	1,654
80 TO 119 FEET	10	5,575	5,885	19	5,287	6,471	37	10,862	12,356
120 TO 159 FEET	15	10,118	10,118	16	11,602	12,100	31	21,720	22,218
160 TO 199 FEET	4	4,107	4,107	2	4,505	4,505	6	8,612	8,612
200 TO 239 FEET	81	108,745	108,745	77	105,700	105,700	158	214,445	214,445
240 TO 279 FEET	11	17,103	17,103	12	19,969	19,969	23	37,072	37,072
280 TO 319 FEET	3	7,488	7,488	3	7,371	7,371	6	14,859	14,859
320 TO 359 FEET	5	17,500	17,500	5	17,500	17,500	10	35,000	35,000
360 TO 399 FEET	1	2,965	2,965	1	2,965	2,965	2	5,930	5,930
400 TO 559 FEET	3	21,848	21,848	3	20,811	20,811	6	42,659	42,659
TOTALS	148	196,330	196,640	144	196,483	198,165	292	392,813	394,805
OTHER VESSELS.									
UNDER 80 FEET	30	45	1,311	27	27	1,200	57	72	2,511
80 TO 119 FEET	4	4	772	12	12	2,922	16	16	3,694
120 TO 159 FEET	10	182	4,204	11	11	4,560	21	193	8,764
160 TO 199 FEET	4	765	7,587	6	6	5,096	10	771	12,683
200 TO 239 FEET	18	542	26,968	15	15	21,348	33	557	48,316
240 TO 279 FEET	2	1,172	8,454	3	3	4,654	5	1,175	18,110
280 TO 319 FEET				1	1	1,820	1	1	1,820
320 TO 359 FEET	2	2	7,866	2	2	7,866	4	4	15,732
360 TO 399 FEET	1	1,971	3,248	1	1,971	3,248	2	3,942	6,496
TOTALS	71	4,583	60,410	78	2,048	57,716	149	6,731	118,126
GRAND TOTALS	3,592	22,985,565	31,441,765	3,608	23,001,192	31,682,518	7,200	45,986,757	63,124,283

TABLE 7. NUMBER AND TONNAGE OF VESSELS THROUGH THE WELLAND CANAL BY KIND AND DRAFT.

KIND AND DRAFT OF VESSEL	UPBOUND			DOWNBOUND			TOTAL		
	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS
CARGO VESSEL.									
5 FEET AND UNDER	1	1	195	1	1	195	2	2	390
6 TO 7 FEET	1	237	450				1	237	450
8 TO 9 FEET	6	1,266	2,538	5	1,017	2,155	11	2,283	4,693
10 TO 11 FEET	20	24,902	35,013	9	5,292	9,355	29	30,194	44,368
12 TO 13 FEET	17	24,953	40,987	12	6,766	10,157	29	31,719	42,566
14 TO 15 FEET	52	127,210	204,808	48	72,412	125,558	100	199,622	330,366
16 TO 17 FEET	95	262,902	381,017	76	143,386	210,309	171	406,288	591,326
18 TO 19 FEET	200	531,222	776,841	177	395,612	563,742	377	926,834	1,340,583
20 TO 21 FEET	412	1,746,117	2,366,296	416	1,752,462	2,359,928	828	3,498,579	4,724,224
22 TO 23 FEET	256	1,251,360	1,785,614	264	1,361,070	1,900,914	520	2,612,430	3,686,528
24 TO 25 FEET	485	3,334,755	4,633,854	500	3,451,778	4,785,302	985	6,786,533	9,419,156
26 TO 27 FEET	1,362	14,101,847	18,924,050	1,425	14,316,619	19,444,676	2,787	28,418,466	38,368,726
28 TO 29 FEET	33	362,920	473,333	24	294,674	373,208	57	657,594	846,541
30 FEET AND OVER	6	54,107	82,825	3	19,213	33,341	9	73,320	116,166
TOTALS	2,946	21,823,799	29,705,821	2,960	21,820,302	29,910,262	5,906	43,644,101	59,616,083

TABLE 7. NUMBER AND TONNAGE OF VESSELS THROUGH THE WELLAND CANAL BY KIND AND DRAFT.

KIND AND DRAFT OF VESSEL	UPBOUND			DOWNBOUND			TOTAL		
	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS
TANKER.									
12 TO 13 FEET				1	1	1,200	1	1	1,200
14 TO 15 FEET	45	56,593	86,009	46	58,292	88,414	91	114,885	174,423
16 TO 17 FEET	71	138,134	212,540	71	137,637	212,076	142	275,771	424,616
18 TO 19 FEET	58	83,066	133,094	56	72,701	116,966	114	155,767	250,060
20 TO 21 FEET	45	109,207	168,098	48	122,215	192,058	93	231,422	360,156
22 TO 23 FEET	110	336,639	498,115	107	326,601	484,390	217	663,240	982,505
24 TO 25 FEET	20	69,918	106,947	17	53,903	80,090	37	123,821	187,037
26 TO 27 FEET	18	116,986	192,377	25	167,840	268,125	43	284,826	460,502
28 TO 29 FEET	1	4,872	8,992	3	14,616	26,988	4	19,488	35,980
30 FEET AND OVER	4	45,184	62,752	3	25,974	36,490	7	71,158	99,242
TOTALS	372	960,599	1,468,924	377	979,780	1,506,797	749	1,940,379	2,975,721
TUG OR DREDGE.									
5 FEET AND UNDER	5	5	85	3	3	33	8	8	118
6 TO 7 FEET	10	10	1,353	9	27	867	19	37	2,220
8 TO 9 FEET	4	103	324	4	4	254	8	107	578
10 TO 11 FEET	17	17	2,580	24	404	4,264	41	421	6,844
12 TO 13 FEET	16	16	4,359	8	1,927	3,749	24	1,943	8,108
14 TO 15 FEET	3	3	1,269	1	214	411	4	217	1,680
TOTALS	55	154	9,970	49	2,579	9,578	104	2,733	19,548
TUG AND BARGE.									
5 FEET AND UNDER	18	9,635	9,945	12	4,490	6,172	30	14,125	16,117
6 TO 7 FEET	17	9,936	9,936	19	13,451	13,451	36	23,387	23,387
8 TO 9 FEET	10	5,368	5,368	9	6,127	6,127	19	11,495	11,495
10 TO 11 FEET	21	31,738	31,738	26	50,727	50,727	47	82,465	82,465
12 TO 13 FEET	62	84,980	84,980	58	76,717	76,717	120	161,697	161,697
14 TO 15 FEET	5	6,366	6,366	8	11,046	11,046	13	17,412	17,412
16 TO 17 FEET	7	11,434	11,434	6	9,536	9,536	13	20,970	20,970
18 TO 19 FEET	5	15,025	15,025	5	17,500	17,500	10	32,525	32,525
20 TO 21 FEET				1	6,889	6,889	1	6,889	6,889
22 TO 23 FEET	3	21,848	21,848				3	21,848	21,848
TOTALS	148	196,330	196,640	144	196,483	198,165	292	392,813	394,605
OTHER VESSELS.									
5 FEET AND UNDER	26	41	1,079	25	25	1,064	51	66	2,143
6 TO 7 FEET	7	7	996	8	8	1,655	15	15	2,651
8 TO 9 FEET	8	180	3,510	12	12	7,144	20	192	10,654
10 TO 11 FEET	2	763	1,538	3	3	1,041	5	766	2,579
12 TO 13 FEET	4	4	4,377	5	5	3,700	9	9	8,077
14 TO 15 FEET	5	1,175	8,390	4	4	4,744	9	1,179	13,134
16 TO 17 FEET	5	1,975	15,520	5	1,975	15,520	10	3,950	31,040
18 TO 19 FEET	3	527	3,678	3	3	3,678	6	530	7,356
20 TO 21 FEET	9	9	11,034	12	12	13,970	21	21	25,004
24 TO 25 FEET	2	2	10,288	1	1	5,200	3	3	15,488
TOTALS	71	4,683	60,410	78	2,048	57,716	149	6,731	118,126
GRAND TOTALS	3,592	22,985,565	31,441,765	3,608	23,001,192	31,682,518	7,200	45,986,757	63,124,283

TABLE 8A. CARGO TONNAGE UPBOUND THROUGH THE WELLAND CANAL BY ORIGIN AND DESTINATION.

PORTS OF LOADING	DESTINATION								
	CANADA			UNITED STATES			TOTAL		
	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL
PORTS ON LAKE ONTARIO AND THE WELLAND CANAL.									
CANADA	607,444	215	607,659	1,827,489	132,643	1,960,132	2,434,933	132,858	2,567,791
TOTAL	607,444	215	607,659	1,827,489	132,643	1,960,132	2,434,933	132,858	2,567,791
PORTS ON THE ST. LAWRENCE RIVER									
CANADA	994,015		994,015	12,488,474	65,937	12,554,411	13,482,489	65,937	13,548,426
TOTAL	994,015		994,015	12,488,474	65,937	12,554,411	13,482,489	65,937	13,548,426
PORTS OTHER THAN LAKE ONTARIO THE WELLAND AND THE ST. LAWRENCE									
CANADA ATLANTIC PORTS				14,538	84,786	99,324	14,538	84,786	99,324
U.S. ATLANTIC PORTS				106,292		106,292	106,292		106,292
U.S. HUDSON RIVER PORTS				113,683		113,683	113,683		113,683
UNITED KINGDOM		3,182	3,182	58,111	405,599	463,710	58,111	408,781	466,892
OTHER BRITISH COMMONWEALTH	91,163		91,163	72,154	90,100	162,254	163,317	90,100	253,417
BELGIUM		4,165	4,165		8	702,987	702,995	8	707,152
FRANCE				25,162	591,382	616,544	25,162	591,382	616,544

TABLE 8A. CARGO TONNAGE UPBOUND THROUGH THE WELLAND CANAL BY ORIGIN AND DESTINATION.

PORTS OF LOADING	DESTINATION								
	CANADA			UNITED STATES			TOTAL		
	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL
DENMARK				137	4,648	4,785	137	4,648	4,785
FINLAND				19,822	119,893	139,715	19,822	119,893	139,715
GERMANY		778	778	2,580	316,083	318,663	2,580	316,861	319,441
GREECE					1,079	1,079		1,079	1,079
ITALY	1,283		1,283	18,458	174,241	192,699	19,741	174,241	193,982
NETHERLANDS		20	20	21,556	455,652	477,208	21,556	455,672	477,228
NORWAY		4,164	4,164	3,385	8,530	11,915	3,385	12,694	16,079
POLAND					27,385	27,385		27,385	27,385
PORTUGAL		1,477	1,477	28	12,445	12,473	28	13,922	13,950
SWEDEN				1,229	11,461	12,690	1,229	11,461	12,690
SPAIN				34,726	73,147	107,873	34,726	73,147	107,873
YUGOSLAVIA					7,171	7,171		7,171	7,171
OTHER EUROPEAN COUNTRIES					10,720	10,720		10,720	10,720
CENTRAL AMERICAN & CARIBBEAN	44,782		44,782	24,492	7,185	31,677	69,274	7,185	76,459
SOUTH AMERICAN COUNTRIES	47,921		47,921	2,777	27,634	30,411	50,698	27,634	78,332
MIDDLE EAST COUNTRIES					1,803	1,803		1,803	1,803
JAPAN					1,105,270	1,105,270		1,105,270	1,105,270
ASIAN COUNTRIES					56,116	56,116		56,116	56,116
LIBERIA					2,286	2,286		2,286	2,286
OTHER AFRICAN COUNTRIES				5,695	23,449	29,144	5,695	23,449	29,144
TOTAL	185,149	13,786	198,935	524,883	4,321,052	4,845,885	709,982	4,334,838	5,044,820
GRAND TOTALS	1,786,608	14,001	1,800,609	14,840,796	4,519,632	19,360,428	16,627,404	4,533,633	21,161,037

TABLE 8B. CARGO TONNAGE DOWNBOUND THROUGH THE WELLAND CANAL BY DESTINATION AND ORIGIN.

PORTS OF UNLOADING	ORIGIN								
	CANADA			UNITED STATES			TOTAL		
	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL
PORTS ON LAKE ONTARIO AND THE WELLAND CANAL									
CANADA	4,000,843		4,000,843	12,796,853	5,763	12,802,616	16,797,696	5,763	16,803,459
UNITED STATES	12,493		12,493	381,355		381,355	393,848		393,848
TOTAL	4,013,336		4,013,336	13,178,208	5,763	13,183,971	17,191,544	5,763	17,197,307
PORTS ON THE ST. LAWRENCE RIVER									
CANADA	9,884,508		9,884,508	6,579,046	36,635	6,615,681	16,463,554	36,635	16,500,189
UNITED STATES				43,357		43,357	43,357		43,357
TOTAL	9,884,508		9,884,508	6,622,403	36,635	6,659,038	16,506,911	36,635	16,543,546
PORTS OTHER THAN LAKE ONTARIO AND THE WELLAND CANAL									
CANADA ATLANTIC PORTS	186,604		186,604	4,186		4,186	190,790		190,790
U.S. ATLANTIC PORTS		10,862	10,862	61,074		61,074	61,074	10,862	71,936
U.S. HUDSON RIVER PORTS				163,018	258	163,276	163,018	258	163,276
UNITED KINGDOM	257,545	30,207	287,752	656,763	293,846	950,609	914,308	324,053	1,238,361
OTHER BRITISH COMMONWEALTH	32,514	6,680	39,194	105,251	96,017	201,268	137,765	102,697	240,462
BELGIUM	68,514	2,645	71,159	438,812	244,582	683,394	507,326	247,227	754,553
DENMARK				11,097	3,012	14,109	11,097	3,012	14,109
FINLAND				19,970	1,646	21,616	19,970	1,646	21,616
FRANCE	9,334	841	10,175	149,761	39,247	189,008	159,095	40,088	199,183
GERMANY	280,623	1,110	281,733	555,273	49,343	604,616	835,896	50,453	886,349
GREECE				352	4,492	4,844	352	4,492	4,844
ITALY	44,975		44,975	104,100	57,522	161,622	149,075	57,522	206,597
NETHERLANDS	98,085	803	98,888	1,817,139	133,860	1,950,999	1,915,224	134,663	2,049,887
NORWAY	11,305		11,305	81,602	3,443	85,045	92,907	3,443	96,350
POLAND				10,094	2,495	12,589	10,094	2,495	12,589
PORTUGAL				484	28,562	29,046	484	28,562	29,046
SWEDEN				40,301	15,700	56,001	40,301	15,700	56,001
SPAIN	17,741		17,741	305,839	17,182	323,021	323,580	17,182	340,762
YUGOSLAVIA				61,353	10,649	72,002	61,353	10,649	72,002
OTHER EUROPEAN COUNTRIES	6,195	2,990	9,185	38,124	45,460	83,584	44,319	48,450	92,769
PANAMA				239	969	1,208	239	969	1,208
CENTRAL AMERICAN & CARIBBEAN	1,004		1,004	3,764	7,966	11,730	4,768	7,966	12,734
SOUTH AMERICAN COUNTRIES	5,138	552	5,690	14,330	37,898	52,228	19,468	38,450	57,918
MIDDLE EAST COUNTRIES				80,491	38,315	118,806	80,491	38,315	118,806
JAPAN	140,984	3,500	144,484	662,872	17,884	680,756	803,856	21,384	825,240
ASIAN COUNTRIES	15,150		15,150	107,050	23,360	130,410	122,200	23,360	145,560
LIBERIA	2,431		2,431	16,922	394	17,316	19,353	394	19,747
OTHER AFRICAN COUNTRIES	2,101		2,101	127,246	11,578	138,824	129,347	11,578	140,925
TOTAL	1,180,243	60,190	1,240,433	5,637,507	1,185,680	6,823,187	6,817,750	1,245,870	8,063,620
GRAND TOTALS	15,078,087	60,190	15,138,277	25,438,118	1,228,078	26,666,196	40,516,205	1,288,268	41,804,473

TABLE 9A. CARGO TONNAGE UPBOUND THROUGH THE WELLAND CANAL BY ORIGIN AND REGISTRY OF VESSEL.

ORIGIN	COUNTRY OF REGISTRY	CARGO TONNAGE		
		BULK	GENERAL	TOTAL
PORTS ON LAKE ONTARIO AND THE WELLAND.	CANADA	1,720,005	132,858	1,852,863
	UNITED STATES	26,054		26,054
	OTHER BRITISH COMMONWEALTH	688,874		688,874
	GERMANY			
	TOTAL	2,434,933	132,858	2,567,791
PORTS ON THE ST. LAWRENCE RIVER	CANADA	13,262,259	65,354	13,327,613
	UNITED STATES	19,767		19,767
	OTHER BRITISH COMMONWEALTH	43,341		43,341
	GERMANY		50	50
	GREECE	25,526		25,526
	NORWAY	28,147		28,147
	YUGOSLAVIA			
	LIBERIA	103,449	533	103,982
TOTAL	13,482,485	65,937	13,548,422	
PORTS OTHER THAN ON LAKE ONTARIO THE WELLAND CANAL & THE ST. LAWRENCE RIVER.	CANADA	29,073	28,103	57,176
	UNITED STATES	212,997		212,997
	UNITED KINGDOM	66,369	653,283	719,652
	OTHER BRITISH COMMONWEALTH	72	102,753	102,825
	BELGIUM		60,815	60,815
	DENMARK	19,444	175,958	195,402
	FRANCE	35	454,383	454,418
	GERMANY	67,907	477,753	545,660
	GREECE	14,605	310,942	325,547
	ITALY	27,903	241,183	269,086
	NETHERLANDS		15,523	15,523
	NORWAY	171,238	579,356	750,594
	SWEDEN	642	34,527	35,169
	SPAIN	55	43,551	43,606
	YUGOSLAVIA	162	79,377	79,539
	OTHER EUROPEAN COUNTRIES	59	31,452	31,511
	PANAMA	6,460	24,788	31,248
	SOUTH AMERICAN COUNTRIES	2,777	4,005	6,782
	MIDDLE EAST COUNTRIES	39	113,619	113,658
	JAPAN		194,831	194,831
LIBERIA	90,145	708,636	798,781	
TOTAL	709,982	4,334,838	5,044,820	
GRAND TOTALS	16,627,404	4,533,633	21,161,037	

TABLE 9B. CARGO TONNAGE DOWNBOUND THROUGH THE WELLAND CANAL BY DESTINATION AND REGISTRY OF VESSEL.

DESTINATION	COUNTRY OF REGISTRY	CARGO TONNAGE		
		BULK	GENERAL	TOTAL
PORTS ON LAKE ONTARIO AND THE WELLAND.	CANADA	15,890,436	5,763	15,896,199
	UNITED STATES	373,350		373,350
	OTHER BRITISH COMMONWEALTH	922,449		922,449
	GERMANY	4,464		4,464
	NORWAY	845		845
TOTAL	17,191,544	5,763	17,197,307	
PORTS ON THE ST. LAWRENCE RIVER	CANADA	16,390,365	36,612	16,426,981
	UNITED STATES	93,559		93,559
	OTHER BRITISH COMMONWEALTH	22,983		22,983
	GERMANY		10	10
	YUGOSLAVIA		13	13
TOTAL	16,506,911	36,635	16,543,546	
PORTS OTHER THAN ON LAKE ONTARIO THE WELLAND CANAL & THE ST. LAWRENCE RIVER.	CANADA	186,604	10,862	197,466
	UNITED STATES	221,010	11,305	232,315
	UNITED KINGDOM	732,910	201,640	934,550
	OTHER BRITISH COMMONWEALTH	166,899	49,914	216,813
	BELGIUM	86,323	1,824	88,147
	DENMARK	165,708	20,637	186,345
	FINLAND	2,352		2,352
	FRANCE	514,799	49,691	564,490
	GERMANY	699,122	236,326	935,448
	GREECE	469,617	101,856	571,473
	ITALY	277,643	48,429	326,072
	NETHERLANDS	95,281	3,568	98,849
	NORWAY	1,241,577	221,404	1,462,981
	SWEDEN	96,056	25,686	121,742

TABLE 9B. CARGO TONNAGE DOWNBOUND THROUGH THE WELLMAN CANAL BY DESTINATION AND REGISTRY OF VESSEL.

DESTINATION	COUNTRY OF REGISTRY	CARGO TONNAGE		
		BULK	GENERAL	TOTAL
	SPAIN	47,605	3,539	51,144
	YUGOSLAVIA	203,462	21,508	224,970
	OTHER EUROPEAN COUNTRIES ...	54,187	7,758	61,945
	PANAMA	35,446	2,494	41,940
	SOUTH AMERICAN COUNTRIES ...	1,278	6,677	7,955
	MIDDLE EAST COUNTRIES	158,380	30,173	188,553
	JAPAN	163,616	44,472	208,088
	LIBERIA	1,193,875	146,107	1,339,982
	TOTAL	6,617,750	1,245,870	8,063,620
	GRAND TOTALS	40,516,205	1,288,268	41,804,473

TABLE 10. NUMBER OF VESSELS AND CARGO TONNAGE THROUGH THE WELLMAN CANAL BY KIND AND GROSS TONNAGE.

KIND AND GROSS TONNAGE OF VESSEL	UPBOUND					DOWNBOUND								
	NUMBER OF VESSELS			CARGO TONNAGE			AVERAGE	NUMBER OF VESSELS			CARGO TONNAGE			AVERAGE
	BAL.	CARGO	TOTAL	BULK	GENERAL	TOTAL		BAL.	CARGO	TOTAL	BULK	GENERAL	TOTAL	
							
CARGO.														
UNDER 1,000	15	17	32	9,626	730	10,356	609.2	8	25	33	12,471	2,716	15,187	583.3
1,000 TO 1,999	3	12	15	18,186	4,948	23,134	1,927.8	7	9	16	7,815	11,060	18,875	2,097.2
2,000 TO 2,999	110	114	224	131,613	134,733	266,346	2,336.4	14	213	227	607,186	115,219	722,405	3,391.6
3,000 TO 3,999	60	125	185	208,570	274,087	482,657	3,861.3	38	151	189	695,764	65,625	761,389	5,042.4
4,000 TO 4,999	53	151	204	333,848	208,660	542,508	3,592.8	22	185	207	722,780	146,435	873,215	4,720.1
5,000 TO 5,999	11	138	149	187,325	109,640	296,965	2,151.9	5	146	151	325,253	56,014	381,267	2,611.4
6,000 TO 6,999	92	233	325	1,286,872	312,010	1,598,882	6,862.2	9	313	322	2,425,557	109,912	2,539,469	8,113.3
7,000 TO 7,999	49	74	123	659,335	80,571	739,906	9,998.7	8	120	128	1,282,387	29,069	1,311,456	10,928.8
8,000 TO 8,999	30	60	90	93,922	309,066	402,988	6,716.5	1	86	87	742,232	65,832	808,064	9,396.1
9,000 TO 9,999	63	127	190	1,247,857	338,965	1,586,842	12,494.8	2	189	191	2,175,994	89,597	2,269,591	12,008.4
10,000 TO 10,999	57	98	155	453,422	758,028	1,211,450	12,361.7	6	149	155	1,749,872	356,080	2,105,952	14,133.9
11,000 TO 11,999	49	74	123	766,251	416,371	1,182,622	15,981.4	6	123	123	1,894,756	113,941	2,008,697	16,330.9
12,000 TO 12,999	33	49	82	486,974	255,088	742,062	15,144.1	3	77	80	1,276,348	30,032	1,306,380	16,966.0
13,000 TO 13,999	33	75	108	1,009,249	174,878	1,184,127	15,788.4	2	105	107	1,887,190	48,507	1,935,697	18,435.2
14,000 TO 14,999	12	16	28	128,783	90,933	219,716	13,732.3	3	27	27	504,636	14,763	519,399	19,237.0
15,000 TO 15,999	121	181	302	4,083,141	365,661	4,448,802	24,579.0	4	297	301	7,287,357	17,271	7,404,628	24,931.4
16,000 TO 16,999	222	140	362	3,539,005	139,716	3,678,721	26,276.6	366	366	9,434,836		9,434,836	25,778.2	
17,000 AND OVER	205	44	249	369,853	559,313	929,166	21,117.4	1	249	250	6,344,036	15,933	6,359,969	25,542.0
TOTAL	1,218	1,728	2,946	15,013,832	4,533,418	19,547,250	...	130	2,830	2,960	39,488,472	1,288,010	40,776,482	...
TANKER.														
1,000 TO 1,999	40	39	79	131,833		131,833	3,380.3	36	45	81	123,475		123,475	2,743.9
2,000 TO 2,999	22	78	100	302,600		302,600	3,879.5	57	42	99	146,481		146,481	3,487.6
3,000 TO 3,999	7	44	51	235,096		235,096	5,343.1	38	14	52	63,378		63,378	4,527.0
4,000 TO 4,999	17	59	76	450,328		450,328	7,632.7	48	27	75	164,597		164,597	6,096.2
5,000 TO 5,999	15	19	34	138,321		138,321	7,280.1	16	18	34	117,271		117,271	6,515.1
6,000 TO 6,999	3		3					4		4	30,652		30,652	7,663.0
8,000 TO 8,999	2	10	12	1,435		1,435	717.5	1	10	11	91,268		91,268	9,126.8
10,000 TO 10,999	6	6	12	79,882		79,882	13,313.7	7		7				
11,000 TO 11,999	5	5	10	16,183		16,183	3,236.6	5	5	10	61,433		61,433	12,407.4
12,000 TO 12,999	2	2	4	27,619		27,619	13,809.5	3		3				
13,000 TO 13,999	1	1	2					1	1	2	15,614		15,614	15,614.0
15,000 TO 15,999	5	5	10	51,184		51,184	10,236.8	4	1	5	127		127	127.0
TOTAL	113	259	372	1,434,481		1,434,481	...	210	167	377	814,296		814,296	...
TUG AND SCOW.														
UNDER 1,000	40	2	42	240	215	455	227.5	39	1	40		258	258.0	
1,000 TO 1,999	22	69	91	159,471		159,471	2,311.2	9	77	86	178,601		178,601	2,319.5
2,000 TO 2,999	6	1	7	3,500		3,500	3,500.0	7	2	9	7,686		7,686	3,843.0
3,000 TO 3,999	5	5	10					1	5	6	24,629		24,629	4,925.8
6,000 TO 6,999	1	1	2					2		2				
7,000 TO 7,999	1	1	2	13,975		13,975	13,975.0	1	1	2				
TOTAL	75	73	148	177,186	215	177,401	...	59	85	144	210,916	258	211,174	...
OTHER.														
UNDER 1,000	100	2	102	1,905		1,905	952.5	102	1	103	860		860	860.0
1,000 TO 1,999	13	13	26					15	1	16	1,661		1,661	1,661.0
2,000 TO 2,999	6	6	12					5		5				
3,000 TO 3,999	2	2	4					1		1				
5,000 TO 5,999	3	3	6					2		2				
TOTAL	124	2	126	1,905		1,905	...	125	2	127	2,521		2,521	...
GRAND TOTALS	1,530	2,062	3,592	16,627,404	4,533,633	21,161,037	...	524	3,084	3,608	40,516,205	1,288,268	41,804,473	...

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE WELAND CANAL BY COMMODITY, ORIGIN AND DESTINATION.

NC.	COMMODITY	CANADA		UNITED STATES		UNITED KINGDOM	
		TC CANADA	TO U.S.A.	TC CANADA	TC U.S.A.	TC CANADA	TO U.S.A.
1	FOOD, FEED, BEVERAGES, TOBACCO	-	-	-	-	-	-
2	MEAT, FRESH OR FROZEN	-	-	-	-	-	-
3	MEAT, CURED	-	-	-	-	-	-
4	MEAT AND MEAT PREP. NES	-	-	-	-	-	-
5	FISH, FRESH OR FROZEN	-	-	-	-	-	23
6	FISH, SALTED OR CURED	-	-	-	-	-	21
7	FISH, CANNED	-	-	-	-	-	7
8	SHELL FISH, NES	-	-	-	-	-	-
9	CHEESE	-	-	-	-	75	-
10	MILK POWDER	-	-	-	-	-	-
11	DAIRY PROD. EGGS, HONEY	-	-	-	-	-	-
12	CEREAL, UNMILLED, NES	-	-	-	-	-	-
13	MALT AND MALT FLOUR	-	-	-	-	-	15
14	BAKERY PROD. INCL. FROZEN	-	-	-	-	-	153
15	MACARONI, CEREAL PROD.	-	-	-	-	-	-
16	FRESH FRUITS, BERRIES	-	-	-	-	-	-
17	FROZEN FRUITS, BERRIES	-	-	-	-	-	156
18	FRUIT JUICES, CONC.	-	-	-	-	-	-
19	FRUITS, PRESERVED	-	-	-	-	-	-
20	FRUITS, PREPARATIONS	-	-	-	-	-	224
21	NUTS, EXC. OIL NUTS NES	-	-	-	-	-	-
22	VEGETABLES, FRESH	-	-	-	-	-	-
23	VEGETABLES, FROZEN	-	-	-	-	-	-
24	VEGETABLES, DRIED	-	-	-	-	-	-
25	VEGETABLE PREP. NES	-	-	-	-	-	48
26	SUGAR NES	-	-	-	54,623	-	-
27	MOLASSES, CRUDE	-	-	-	26,630	-	-
28	MOLASSES, REFINED	-	-	-	9,913	-	-
29	SYRUP	-	-	-	2,016	-	-
30	SUGAR PREPARATIONS	-	-	-	-	-	2,581
31	COCOA AND CHOCOLATE	-	-	-	-	-	210
32	COFFEE	-	-	-	-	-	-
33	TEA	-	-	-	-	-	-
34	SPICES	-	-	-	-	-	-
35	SAUSAGE CASINGS	-	-	-	-	-	51
36	MISC. FOOD PREP. NES	-	-	-	-	-	350
37	SOYABEAN OIL MEAL, CAKE	-	-	-	-	-	-
38	FEEDS OF VEG. ORIGIN	-	-	-	-	-	-
39	FEEDS OF ANIMAL ORIGIN	-	-	-	-	-	-
40	CONC. COMPLETE FEEDS	-	-	-	-	-	21
41	NON-ALCOHOLIC BEVERAGE	-	-	-	-	-	-
42	ALE, BEER, STOUT, PORTER	-	-	-	-	6	92
43	WINES	-	-	-	-	25	1,87
44	FERM. ALCOHOLIC BEV.	-	-	-	-	8	4
45	DIST. ALCOHOLIC BEV.	-	-	-	-	930	31,91
46	TOBACCO NES	-	-	-	-	-	-
47	TOTAL	-	-	-	93,182	1,044	38,577
48	CRUDE MATERIALS, INEDIBLE	-	-	-	-	-	-
49	RAW HIDES AND SKINS	-	-	-	-	-	94
50	CRUDE ANIMAL PROD. NES	-	-	-	-	-	-
51	SEEDS FOR SOWING NES	-	-	-	-	-	-
52	OIL SEEDS, NUTS NES	-	-	-	-	-	-
53	NURSERY, GREENHOUSE, STOCK	-	-	-	-	-	-
54	RUBBER ALLIED GUMS NAT.	-	-	-	-	-	-
55	CRUDE VEG. PRDD. NES	-	-	-	-	-	5
56	PULPWOOD	89,699	10,919	-	-	-	-
57	CRUDE WOOD MTL. NES	-	680	-	-	-	-
58	WOOL AND ANIMAL HAIR	-	-	-	-	-	42
59	TEXTILE FIBRES NES	-	-	-	-	-	30
60	ALUMINA, BAUXITE ORES	-	48,464	-	-	-	-
61	IRON ORE AND CONC.	-	12,492,361	-	-	-	-
62	MANGANESE ORE	123,111	84,914	-	-	-	-
63	TITANIUM ORE	-	10,530	-	-	-	-
64	ORES AND CONC. NES	18,467	32,503	-	-	-	-
65	NON-FERROUS MET. SCRAP	-	-	-	-	-	31
66	SLAG, DROSS, BY-PRODUCTS	-	-	-	-	-	165
67	NATURAL GAS	-	-	-	-	-	32
68	ASBESTOS	-	-	-	-	-	-
69	CHINA CLAY	-	-	-	-	-	44,524
70	DOLomite	-	942,284	-	-	-	-
71	CLAY MATERIALS NES	-	-	-	-	-	22
72	SAND AND GRAVEL	1,905	-	-	-	-	-
73	STONE, CRUDE, NES	5,264	-	-	-	-	38
74	FLUORSPAR	-	46,948	-	-	-	12,463
75	SALT	-	-	-	-	-	15
76	CRUDE NON-MET. MIN. NES	-	-	-	-	-	19
77	COTTON, TEXTILE WASTE	-	-	-	-	-	237
78	WASTE AND SCRAP NES	-	-	-	-	-	22
79	TOTAL	238,446	13,669,603	-	-	-	57,739
80	FABRICATED MATERIALS, INEDIBLE	-	-	-	-	-	-
81	LEATHER	-	-	-	-	-	65
82	RUBBER FAB. MATERIALS	-	-	-	-	-	30
83	LUMBER AND TIMBER	-	-	-	-	-	-
84	SAWMILL PROD. NES	-	-	-	-	-	-
85	VENEER AND PLYWOOD	-	533	-	-	-	-

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE WELLAND CANAL BY COMMODITY, ORIGIN AND DESTINATION.

OTHER BRITISH COMMONWEALTH		OTHER EUROPE		OTHER COUNTRIES		TOTAL		GRAND TOTAL	NO.
TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.		
-	-	-	-	-	-	-	-	-	1
-	-	-	191	-	-	-	191	191	2
-	-	-	16	-	-	-	16	16	3
-	-	-	474	-	116	-	590	590	4
-	-	-	314	-	48	-	385	385	5
-	-	-	451	-	-	-	472	472	6
-	-	-	1,630	-	1,436	-	3,073	3,073	7
-	-	-	3	-	6	-	9	9	8
-	-	-	1,407	-	-	75	1,407	1,482	9
-	-	-	6	-	-	-	6	6	10
-	-	-	53	-	-	-	53	53	11
-	-	-	6	-	-	-	6	6	12
-	-	-	-	-	-	-	15	15	13
-	-	-	-	-	-	-	153	153	14
-	-	-	44	-	-	-	44	44	15
-	125	-	-	-	12	-	137	137	16
-	-	-	118	-	-	-	274	274	17
-	-	-	119	-	445	-	564	564	18
-	-	-	10,690	-	493	-	11,183	11,183	19
-	1,178	-	79	-	3,524	-	5,005	5,005	20
-	422	-	38	-	118	-	578	578	21
-	-	-	17	-	-	-	17	17	22
-	-	-	38	-	41	-	41	41	23
-	-	1	1	-	7	1	45	45	24
-	61	1,476	8,635	-	3,074	1,476	11,818	13,294	25
-	-	-	-	-	-	-	54,623	54,623	26
-	-	-	-	-	9,232	-	35,862	35,862	27
-	-	-	-	-	-	-	9,913	9,913	28
-	-	-	716	-	-	-	2,016	2,016	29
-	-	-	246	-	1,071	-	3,297	3,297	30
-	-	-	-	-	1,133	-	1,527	1,527	31
-	-	-	-	-	4	-	1,133	1,133	32
-	5	-	344	-	-	-	4	4	33
-	-	-	948	-	18	-	349	349	34
-	189	-	1,844	-	2,960	-	1,017	1,017	35
-	-	-	30	-	13	-	5,343	5,343	36
-	-	-	618	-	-	-	43	43	37
-	-	-	110	-	-	-	618	618	38
-	-	-	6,792	-	51	-	110	110	39
-	-	-	120	-	-	-	6,864	6,864	40
-	11	-	6,335	-	76	6	120	120	41
-	6	-	28,139	-	195	25	7,348	7,348	42
-	-	-	102	-	15	8	30,211	30,235	43
-	67	-	2,085	-	14	930	123	131	44
-	-	-	2	-	-	-	34,080	35,013	45
-	2,064	1,477	72,760	-	24,102	2,521	2	2	46
-	-	-	-	-	-	-	-	-	47
-	13	-	706	-	-	-	-	-	48
-	-	-	65	-	-	-	813	913	49
-	-	-	407	-	-	-	65	65	50
-	-	-	81	-	-	-	407	407	51
-	-	-	387	-	-	-	81	81	52
-	48,375	-	18	-	9,208	-	387	387	53
-	298	-	109	-	475	-	57,601	57,601	54
-	-	-	28	-	-	89,699	887	887	55
-	-	-	130	-	1,707	-	10,919	100,618	56
54,959	894	-	106	33,580	-	-	708	708	57
-	-	-	-	-	-	-	42	42	58
2,803	52,766	-	-	-	-	88,539	2,751	2,751	59
33,401	2,671	-	-	-	-	-	48,570	137,103	60
-	-	-	-	-	-	-	12,492,361	12,492,361	61
-	-	-	-	-	-	123,111	84,914	208,025	62
-	-	-	-	-	-	2,803	63,296	66,099	63
-	-	-	983	-	15	51,858	36,172	98,040	64
-	-	-	2,070	-	277	-	2,378	2,378	65
-	-	-	6	-	-	-	171	171	66
-	-	-	91	-	-	-	123	123	67
-	-	-	5	-	-	-	5	5	68
-	-	-	-	-	-	-	44,524	44,524	69
-	-	-	-	-	-	-	942,284	942,284	70
-	15,981	-	-	-	-	1,905	22	22	71
-	4,033	-	981	-	-	5,264	15,981	17,886	72
-	-	-	46,056	12,417	8,812	-	5,052	10,316	73
-	-	-	-	-	-	-	114,279	125,696	74
-	29	-	3,318	-	84	-	15	15	75
-	-	-	23	-	31	-	3,450	3,450	76
-	31	-	224	-	105	-	291	291	77
91,163	125,091	-	55,734	45,997	20,714	375,606	382	382	78
-	-	-	-	-	-	-	-	-	79
-	-	-	90	-	38	-	193	193	80
-	2,034	-	28	-	1,943	-	4,309	4,303	81
-	380	-	-	-	243	-	623	623	82
-	-	-	-	-	-	-	42	42	83
-	8,343	-	5,795	-	34,372	-	54,295	54,295	84

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE WELLANO CANAL BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA		UNITED STATES		UNITED KINGDOM	
		TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.
86	WOOD FABRICATED MTL.	-	-	-	-	-	18
87	PULP	401	3,565	-	-	-	-
88	NEWSPRINT PAPER	1,614	244,197	-	-	-	-
89	PAPER NES	-	3,780	-	-	-	56
90	PAPERBOARD	-	-	-	-	-	58
91	BLOG. PAPER AND BOARD	-	-	-	-	-	30
92	WET MACHINE BOARD	-	-	-	-	-	26
93	CORDAGE, TWINE, ROPE	-	-	-	-	-	935
94	JUTE WOVEN FABRICS	-	-	-	-	-	-
95	TEXTILE FAB. MTL. NES	-	-	-	-	-	34
96	ANIMAL DILS, EXC. MARINE	-	-	-	-	-	-
97	FISH, MARINE ANIMAL OIL	-	-	-	4,370	-	-
98	SOYABEAN OIL	-	-	-	-	-	-
99	VEG. OILS, FATS, NES	-	-	-	-	-	-
100	OILS, FATS, WAXES, NES	-	-	-	5,060	-	41
101	METALLIC SALTS	-	-	-	-	-	1,457
102	INORGANIC CHEMICALS	-	-	-	-	-	401
103	ORGANIC CHEMICALS NES	-	-	-	10,653	-	1,774
104	EXPLOSIVES	-	-	-	-	-	-
105	FERT. & FERT. MAT. NES	-	11,295	-	6,978	-	10
106	AGRICULTURAL CHEMICALS	-	-	-	-	-	29
107	SYNTHETIC RUBBER	-	-	-	-	-	-
108	PLASTIC MATERIALS	-	-	-	-	-	41
109	QYESTUFF, PIGMENT, PAINTS ..	-	-	-	-	-	87
110	CHEM. SPECIALTIES NES	7,558	-	-	-	-	892
111	GASOLINE	165,888	5,880	-	-	-	-
112	FUEL OIL	785,268	267,496	-	28,637	-	-
113	LUBRICATING OIL, GREASE	57,867	-	-	53,714	-	142
114	ASPHALTS, ROAD OILS	-	-	-	-	-	-
115	COAL TAR, PITCH	-	3,437	-	17,381	-	-
116	PETROL. COAL PROD. NES	43,348	-	-	-	-	-
117	FERRO-ALLOYS	-	-	-	-	-	124
118	PIG IRON	-	127,264	-	-	-	41
119	PRIMARY IRON, STEEL NES	-	-	-	-	-	45,540
120	CASTINGS, FORGINGS	-	-	-	-	-	1,316
121	BARs AND RODS, STEEL	-	-	-	-	87	54,608
122	PLATE & SHEET STEEL	-	3,246	-	-	21	180,688
123	STRUCTURAL SHAPES	-	13,460	-	-	14	25,561
124	RAILS AND TRACK MTL.	-	-	-	-	-	-
125	PIPE, TUBE, IRON & STEEL	-	-	-	-	790	3,379
126	WIRE	-	-	-	-	98	3,928
127	ALUMINUM	-	-	-	-	-	4
128	COPPER AND ALLOYS	-	-	-	-	-	111
129	LEAD AND ALLOYS	-	-	-	-	-	71
130	NICKEL AND ALLOYS	-	-	-	-	-	-
131	ZINC AND ALLOYS	-	-	-	-	-	336
132	NON-FERROUS METAL NES	-	-	-	-	-	221
133	METAL FAB. BASIC PROD.	-	19,458	-	-	71	804
134	BUILDING BRICK, CLAY	-	-	-	-	-	-
135	BRICKS, TILES, NES	-	-	-	-	-	375
136	GLASS BASIC PRODUCTS	-	-	-	-	19	4,264
137	ASBESTOS BASIC PROD.	-	-	-	-	-	99
138	CEMENT	59,234	237,145	-	-	-	-
139	CEMENT BASIC PROD.	-	-	-	-	-	-
140	NON-MET. MIN. BASIC PROD. ..	-	-	-	-	-	863
141	MISC. FABRICATED PROD.	-	-	-	-	-	323
142	TOTAL	1,121,178	940,756	-	126,793	1,100	329,725
143	END PRODUCTS, INEDIBLE.	-	-	-	-	-	-
144	TRACTORS	-	-	-	-	177	10,417
145	MACHINERY NES	455	-	-	-	547	12,767
146	RAILWAY ROLLING STOCKS	-	-	-	-	-	111
147	PASS. AUTOS & CHASSIS	-	-	-	-	42	1,720
148	TRUCKS AND CHASSIS	-	-	-	-	-	61
149	MOTOR VEHICLE ENGINES	-	-	-	-	-	1,161
150	ROAD MOTOR VEH. NES	-	-	-	-	30	55
151	SHIPS, AIRCRAFT, MIS. VEH. ..	-	-	-	-	-	938
152	RUBBER TIRES & TUBES	-	-	-	-	64	370
153	EQUIPMENT	-	-	-	-	-	1,268
154	TOTAL	455	-	-	-	860	28,868
155	MISCELLANEOUS FREIGHT R.F.S. ..	-	-	-	-	-	-
156	PERSONAL, HSEHOLD. GOODS ...	-	-	-	-	31	1,810
157	FIREARMS, AMMUNITION	-	-	-	-	-	-
158	CONTAINERS, CLOSURES	-	-	-	-	-	27
159	MISC. END PRODUCTS	-	3,508	-	-	147	6,964
160	TOTAL	-	3,508	-	-	178	8,801
161	DOMESTIC PACKAGE FREIGHT	-	-	-	-	-	-
162	DOMESTIC PACKAGE FRT.	241,595	-	-	-	-	-
163	TOTAL	241,595	-	-	-	-	-
164	GRAND TOTALS	1,601,674	14,613,857	-	219,575	3,108	463,713

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE WELLAND CANAL BY COMMODITY, ORIGIN AND DESTINATION.

OTHER BRITISH COMMONWEALTH		OTHER EUROPE		OTHER COUNTRIES		TOTAL		GRAND TOTAL	NO.
TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.		
-	-	-	39	-	1,793	-	1,910	1,910	86
-	-	-	12,556	-	-	401	16,121	16,522	87
-	-	-	-	-	-	1,614	244,197	245,811	88
-	-	-	3,884	-	-	-	7,720	7,720	89
-	-	-	162	-	2,019	-	2,239	2,239	90
-	-	-	1,182	-	95	-	1,307	1,307	91
-	-	-	1,007	-	39	-	1,072	1,072	92
-	5,348	368	15,686	-	8,150	368	30,119	30,687	93
-	676	-	-	-	-	-	676	676	94
-	172	-	104	-	50	-	360	360	95
-	-	-	18	-	-	-	18	18	96
-	-	-	1,681	-	39	-	6,090	6,090	97
-	-	-	12	-	-	-	12	12	98
-	1,104	-	5,119	-	6,268	-	12,491	12,491	99
-	72	-	628	-	711	-	6,512	6,512	100
-	-	60	2,146	-	225	60	3,828	3,888	101
-	-	-	5,547	-	392	-	6,340	6,340	102
-	24	1,384	7,648	19,087	2,822	20,471	22,921	43,392	103
-	-	-	23	-	-	-	23	23	104
-	-	-	13,011	-	6,569	-	37,863	37,863	105
-	-	-	191	-	11	-	231	231	106
-	-	-	770	-	143	-	913	913	107
-	166	7	834	-	1,063	7	2,104	2,111	108
-	8	-	1,471	-	34	-	1,600	1,600	109
-	37	-	1,928	-	743	-	3,600	11,158	110
-	-	-	-	-	-	-	165,888	5,880	111
-	-	-	7	27,619	-	-	812,887	296,140	112
-	-	-	5	-	-	-	57,867	53,861	113
-	34	-	-	-	-	-	-	34	114
-	-	-	51	-	-	-	20,869	20,869	115
-	-	-	1,148	-	5	43,348	1,153	44,501	116
-	-	1,339	36,325	-	505	1,339	36,954	38,293	117
-	-	-	-	-	87	-	127,392	127,392	118
-	47	-	4,244	-	4,969	-	54,800	54,800	119
-	131	-	3,815	-	9,810	-	15,072	15,072	120
-	6,263	44	54,205	-	204,298	131	319,374	319,505	121
-	1,030	496	1,540,656	-	628,995	517	2,354,615	2,355,132	122
-	3,613	211	431,929	-	66,043	225	540,606	540,831	123
-	287	139	729	-	101	139	1,117	1,256	124
-	40	255	63,574	-	20,427	1,045	87,411	88,456	125
-	95	510	45,060	-	59,297	608	108,372	108,980	126
-	-	-	13,409	-	1,004	-	14,457	14,457	127
-	21	443	1,311	-	1,019	443	2,462	2,905	128
-	-	-	81	-	5,124	-	5,922	5,922	129
-	-	2,332	28	-	-	2,332	28	2,360	130
-	-	-	17,558	-	14,151	-	32,045	32,045	131
-	1,333	46	2,695	-	1,094	46	5,343	5,389	132
-	564	62	23,410	-	77,000	133	121,236	121,369	133
-	-	-	38	-	-	-	38	38	134
-	29	-	1,807	-	3,602	-	5,813	5,813	135
-	32	13	27,819	-	1,326	32	33,441	33,473	136
-	-	-	407	-	23	-	529	529	137
-	-	-	6,337	-	-	59,234	243,482	302,716	138
-	-	-	28	-	-	-	28	28	139
-	37	-	6,893	-	7,848	-	15,641	15,641	140
-	350	-	609	-	1,955	-	3,237	3,237	141
-	32,520	7,709	2,365,842	46,706	1,181,445	1,176,693	4,977,081	6,153,774	142
-	-	-	-	-	-	-	-	-	143
-	394	744	23,917	-	294	921	35,022	35,943	144
-	584	1,499	22,488	-	6,793	2,501	42,632	45,133	145
-	-	-	40	-	4,947	-	5,098	5,098	146
-	8	-	67,557	-	23	42	69,308	69,350	147
-	-	-	74	-	-	-	135	135	148
-	20	40	4,889	-	3,831	40	9,901	9,941	149
-	103	-	800	-	91	30	946	976	150
-	239	296	536	-	116	296	1,829	2,125	151
-	-	-	1,615	-	473	64	2,458	2,522	152
-	51	61	4,438	-	2,496	61	8,253	8,314	153
-	1,296	2,640	126,354	-	19,064	3,955	175,582	179,537	154
-	-	-	-	-	-	-	-	-	155
-	306	-	3,851	-	2,624	31	8,591	8,622	156
-	-	-	57	-	12	-	69	69	157
-	-	-	378	-	3,276	-	3,681	3,681	158
-	977	61	18,879	-	5,470	208	35,798	36,006	159
-	1,283	61	23,165	-	11,382	239	48,139	48,378	160
-	-	-	-	-	-	-	-	-	161
-	-	-	-	-	-	241,595	-	241,595	162
-	-	-	-	-	-	241,595	-	241,595	163
91,143	167,254	11,887	2,443,543	93,703	1,353,707	1,800,409	19,360,428	21,161,037	164

TABLE 11B. CARGO TONNAGE DOWNBOUND THROUGH THE WELLAND CANAL BY COMMODITY, ORIGIN AND DESTINATION

NO.	COMMODITY	CANADA TO					OTHER EUROPE	OTHER COUNTRIES	TOTAL
		CANADA	U.S.A.	UNITED KINGDOM	OTHER BRITISH COMMONWEALTH				
1	FOOD, FEED, BEVERAGES, TOBACCO	-	-	-	-	-	-	-	
2	MEAT, FRESH OR FROZEN	-	-	-	-	-	-	-	
3	MEAT, CURED	-	-	-	-	-	-	-	
4	MEAT AND MEAT PREP. NES	-	-	-	-	-	-	-	
5	FISH, FRESH OR FROZEN	-	-	-	-	-	-	-	
6	FISH, CANNED	-	-	-	-	-	-	-	
7	CHEESE	-	-	-	-	-	-	-	
8	MILK POWDER	-	-	-	-	-	-	-	
9	DAIRY PROD. EGGS, HONEY	-	-	-	-	-	-	-	
10	BARLEY	2,846,075	-	59,667	-	163,392	-	3,069,134	
11	CORN	147,162	-	-	-	-	-	147,162	
12	DATS	222,538	-	1,064	590	149,787	1,877	375,856	
13	RYE	40,388	-	13,564	-	-	-	53,952	
14	WHEAT	6,902,828	-	18,483	21,078	28,504	-	6,970,893	
15	CEREAL, UNMILLED, NES	-	-	-	-	-	-	-	
16	CORN MEAL AND FLOUR	-	-	-	-	-	-	-	
17	CORN STARCH	-	-	-	-	-	-	-	
18	MALT AND MALT FLOUR	58,424	-	-	-	-	994	62,208	
19	WHEAT FLOUR	-	-	-	2,790	-	-	2,790	
20	CEREALS, MILLED, NES	-	-	-	4,953	-	4,532	9,485	
21	MACARONI, CEREAL PROD.	-	-	-	-	-	-	-	
22	FRESH FRUITS, BERRIES	-	-	-	-	-	-	-	
23	FRUIT JUICES, CONC.	-	-	-	-	-	-	-	
24	FRUITS, PRESERVED	-	-	-	-	-	-	-	
25	FRUITS, PREPARATIONS	-	-	-	-	-	-	-	
26	VEGETABLES, FRESH	-	-	47	-	-	-	47	
27	VEGETABLES, FROZEN	-	-	1,100	-	-	-	1,100	
28	VEGETABLES, DRIED	2,147	-	58	3,103	-	664	5,972	
29	VEGETABLE PREP. NES	-	-	347	-	-	-	347	
30	SUGAR NES	-	-	-	-	-	-	-	
31	MOLASSES, REFINED	-	-	-	-	-	-	-	
32	SYRUP	-	-	-	-	-	-	-	
33	SUGAR PREPARATIONS	-	-	-	-	-	-	-	
34	SPICES	-	-	-	-	-	-	-	
35	SHORTENING	-	-	-	-	-	-	-	
36	LARD	-	-	-	-	-	-	-	
37	SAUSAGE CASINGS	-	-	-	-	-	-	-	
38	MISC. FOOD PREP. NES	-	-	68	-	23	-	91	
39	HULLS, SCREENINGS, CHAFF	30,117	-	70,423	-	3,938	8,706	113,184	
40	GROUND CEREALS NES	-	-	-	-	-	-	-	
41	SOYABEAN OIL MEAL, CAKE	-	-	-	-	-	-	-	
42	OIL SEED MEAL, CAKE, NES	-	-	-	-	-	-	-	
43	BREWERS GRAINS	2,497	-	-	-	-	-	2,497	
44	FEEDS OF VEG. ORIGIN	11,112	-	10,463	-	-	-	21,575	
45	FEEDS OF ANIMAL ORIGIN	-	-	-	-	-	-	-	
46	CONC. COMPLETE FEEDS	-	-	-	-	-	-	-	
47	NON-ALCOHOLIC BEVERAGE	-	-	-	-	-	-	-	
48	ALE, BEER, STOUT, PORTER	-	-	-	-	-	-	-	
49	WINES	-	-	-	-	-	-	-	
50	FERM. ALCOHOLIC BEV.	-	-	-	-	-	-	-	
51	DIST. ALCOHOLIC BEV.	-	-	-	-	-	-	-	
52	TOBACCO NES	-	-	15,636	-	160	-	15,796	
53	TOTAL	10,263,288	-	190,920	32,514	345,804	16,773	10,849,299	
54	CRUDE MATERIALS, INEDIBLE.	-	-	-	-	-	-	-	
55	RAW HIDES AND SKINS	-	-	-	-	-	-	-	
56	CRUDE ANIMAL PROD. NES	-	-	-	-	-	-	-	
57	SEEDS FOR SOWING NES	-	-	-	-	-	-	-	
58	FLAXSEED	297,527	-	-	-	69,001	-	366,528	
59	MUSTARD SEED	-	-	-	-	16,025	-	16,025	
60	RAPESEED	135,212	-	-	-	65,611	-	200,823	
61	SOYA BEANS	67,225	-	-	-	-	-	67,225	
62	OIL SEEDS, NUTS NES	-	-	-	-	-	-	-	
63	NURSERY, GREENHOUSE STOCK	-	-	-	-	-	-	-	
64	RUBBER ALLIED GUMS NAT.	-	-	-	-	-	-	-	
65	CRUCE VEG. PROD. NES	-	-	-	-	-	-	-	
66	LOGS	-	-	-	-	-	-	-	
67	PULPWOOD	-	-	-	-	2,352	-	2,352	
68	WOOL AND ANIMAL HAIR	-	-	-	-	-	-	-	
69	TEXTILE FIBRES NES	-	-	-	-	-	-	-	
70	ALUMINA, BAUXITE CRES	-	-	-	-	-	-	-	
71	COPPER ORE AND CONC.	-	-	-	-	6,652	-	6,652	
72	IRON ORE AND CONC.	1,642,320	-	-	-	-	-	1,642,320	
73	MANGANESE ORE	-	-	-	-	-	-	-	
74	NICKEL-COPPER ORE	-	-	-	-	-	-	-	
75	ORES AND CONC. NES	-	-	-	-	-	-	-	
76	IRON AND STEEL SCRAP	-	-	8,429	-	-	51,351	59,780	
77	NON-FERROUS MET. SCRAP	-	-	-	-	-	-	-	
78	SLAG, DROSS, BY-PRODUCTS	-	-	-	-	-	-	-	
79	COAL BITUMINOUS	173,657	-	-	-	-	-	173,657	
80	COAL NES	-	-	-	-	-	-	-	
81	NATURAL GAS	-	-	-	-	-	-	-	
82	BENTONITE	-	-	-	-	-	-	-	
83	CHINA CLAY	-	-	-	-	-	-	-	
84	DOLOMITE	9,555	-	-	-	-	-	9,555	
85	CLAY MATERIALS NES	-	-	-	-	-	-	-	
86	SAND AND GRAVEL	4,256	-	-	-	-	-	4,256	
87	LIMESTONE	14,043	-	-	-	-	-	14,043	

TABLE 11B. CARGO TONNAGE DOWNBOUND THROUGH THE WELLAND CANAL BY COMMODITY, ORIGIN AND DESTINATION.

CANADA	U.S.A.	UNITED STATES				TOTAL	GRAND TOTAL	NO.
		UNITED KINGDOM	OTHER BRITISH COMMONWEALTH	OTHER EUROPE	OTHER COUNTRIES			
-	-	-	-	-	-	-	-	1
-	-	11,465	105	28,156	561	40,287	40,287	2
-	-	-	71	-	-	71	71	3
-	-	-	-	82	22	104	104	4
-	-	-	-	39	-	39	39	5
-	-	-	-	258	-	258	258	6
-	-	-	-	14	-	14	14	7
-	-	39	19,149	62	47,444	66,694	66,694	8
-	-	301	-	312	10	624	624	9
1,057,254	24,383	12,267	11,038	79,079	-	1,184,021	4,253,155	10
1,495,417	-	321,332	10	1,052,023	-	2,868,782	3,015,944	11
32,581	-	-	-	202,495	1,284	236,360	612,216	12
-	-	952	-	-	-	952	54,904	13
1,177,679	19,697	33,841	918	399,473	79,076	1,710,684	8,681,577	14
-	-	-	-	51	58	109	109	15
-	-	309	68,279	91	17,650	86,329	86,329	16
-	-	419	-	17	-	436	436	17
-	-	-	-	6,354	56	6,410	68,618	18
-	-	180	1,190	-	82,662	84,032	93,517	19
-	-	40	25,398	768	28,335	54,541	54,541	20
-	-	96	-	1,483	322	1,901	1,901	21
-	-	23	-	76	-	99	99	22
-	-	-	-	122	-	122	122	23
-	-	-	-	29	-	29	29	24
-	-	53	-	289	-	342	342	25
-	-	-	-	-	-	-	47	26
-	-	-	-	-	-	-	1,100	27
57,530	-	575	216	15,512	10,797	84,630	90,602	28
-	-	296	20	1,454	155	1,925	2,272	29
-	-	420	-	488	973	1,881	1,881	30
-	12,245	-	-	-	-	12,245	12,245	31
-	-	65	-	-	-	65	65	32
-	-	8	9	291	-	300	300	33
-	-	-	-	8	-	16	16	34
-	-	-	21	59	-	80	80	35
-	-	71,889	2,150	1,344	-	75,383	75,383	36
-	-	303	179	568	-	1,050	1,050	37
-	-	1,021	5,632	486	3,409	10,548	10,639	38
-	-	-	-	-	-	-	113,184	39
-	-	368	-	6,456	22	6,846	6,846	40
-	-	332	134	146,886	-	147,352	147,352	41
-	-	-	-	65,292	-	65,292	65,292	42
-	-	-	-	26,190	50	26,240	28,737	43
14,533	-	-	-	508,404	6,520	529,246	550,821	44
-	-	-	-	-	553	553	553	45
9,969	-	5,320	-	1,367	373	17,029	17,029	46
-	-	-	-	21	-	21	21	47
-	-	-	-	4,076	-	4,076	4,076	48
-	-	-	-	101	72	173	173	49
-	-	-	-	50	-	50	50	50
-	-	163	-	681	-	844	844	51
-	-	877	-	11	-	888	16,684	52
3,844,752	56,325	462,954	134,519	2,551,019	280,404	7,329,973	18,179,272	53
-	-	-	-	-	-	-	-	54
-	-	476	731	62,140	2,999	66,346	66,346	55
-	-	-	-	117	-	117	117	56
44,747	-	1,097	56	9,777	474	11,404	11,404	57
-	-	-	-	6,203	-	50,950	417,478	58
-	-	-	-	-	-	-	16,025	59
-	-	-	-	-	-	-	200,823	60
2,080,904	-	20,689	-	425,688	340,295	2,867,576	2,934,801	61
-	-	-	-	5	-	5	5	62
-	-	6	-	-	-	6	6	63
-	-	-	-	207	-	207	207	64
-	-	-	-	37	-	37	37	65
-	-	29	-	28,989	-	29,018	29,018	66
-	-	-	-	106	-	106	2,458	67
-	-	-	-	30	-	30	30	68
-	-	17	-	466	41	524	524	69
-	-	52	-	-	-	52	52	70
-	-	-	-	111	-	111	6,763	71
1,906,837	-	-	-	42	-	1,906,879	3,549,199	72
459	-	-	-	14	-	473	473	73
-	-	-	-	72	-	72	72	74
-	-	74	-	18	77	169	169	75
5,050	27,672	141,766	-	296,569	357,840	828,897	888,677	76
-	-	911	-	26,720	13,388	41,019	41,019	77
-	-	1,292	-	684	182	2,158	2,158	78
10,583,344	15,000	202	-	-	-	10,598,546	10,772,203	79
-	-	105	-	-	-	105	105	80
11,146	5,308	2,215	-	2,036	-	20,705	20,705	81
131,821	-	18,869	-	26,546	141	177,377	177,377	82
-	-	-	-	88	-	88	88	83
-	-	-	-	-	-	-	9,555	84
29,025	-	13,598	34	51,985	86	94,728	94,728	85
138,449	-	97	15	729	61	152,814	158,070	86
-	-	-	-	-	-	-	43,043	87

TABLE 11B. CARGO TONNAGE DOWNBOUND THROUGH THE WELAND CANAL BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA TO					OTHER COUNTRIES	TOTAL
		CANADA	U.S.A.	UNITED KINGDOM	OTHER BRITISH COMMONWEALTH	OTHER EUROPE		
88	CRUSHED STONE	-	-	-	-	-	-	
89	STONE, CRUDE, NES	9,102	-	-	-	-	9,102	
90	GYPSUM	-	-	-	-	-	-	
91	SALT	786,876	-	-	-	-	786,876	
92	CRUDE NON-MET. MIN. NES	-	-	-	-	-	-	
93	COTTON, TEXTILE WASTE	-	-	-	-	-	-	
94	WASTE AND SCRAP NES	5,783	-	-	-	-	5,783	
95	TOTAL	3,145,556	-	8,429	-	159,641	3,364,977	
96	FABRICATED MATERIALS, INEDIBLE	-	-	-	-	-	-	
97	LEATHER	-	-	-	-	-	-	
98	RUBBER FAB. MATERIALS	-	-	-	-	-	-	
99	LUMBER AND TIMBER	-	-	-	-	-	-	
100	FLOORING	-	-	-	-	-	-	
101	VENEER AND PLYWOOD	-	-	-	-	-	-	
102	COOPERAGE STCK ETC.	-	-	-	-	-	-	
103	WOOD FABRICATED MTL.	-	-	-	-	-	-	
104	PULP	-	-	15,747	-	9,046	24,793	
105	NEWSPRINT PAPER	-	10,862	-	2,541	-	13,403	
106	PAPER NES	-	-	-	-	-	-	
107	PAPERBOARD	-	-	-	-	-	-	
108	BLDG. PAPER AND BOARD	-	-	-	-	-	-	
109	TEXTILE FAB. MTL. NES	-	-	-	-	-	-	
110	ANIMAL OILS, EXC. MARINE	-	-	-	-	-	-	
111	FISH, MARINE ANIMAL OIL	-	-	-	-	-	-	
112	SOYABEAN OIL	-	-	1,170	-	-	1,170	
113	VEG. OILS, FATS, NES	-	-	-	-	-	-	
114	OILS, FATS, WAXES, NES	-	-	-	-	-	-	
115	METALLIC SALTS	63,710	-	-	-	-	63,710	
116	INORGANIC CHEMICALS	107,996	-	978	-	-	108,974	
117	GLYCOL	7,824	-	10,164	-	1,748	19,736	
118	ORGANIC CHEMICALS NES	8,369	-	43,499	-	6,254	58,122	
119	FERTILIZERS	-	11,494	-	-	-	11,494	
120	FERT. & FERT. MAT. NES	-	-	-	-	-	-	
121	AGRICULTURAL CHEMICALS	-	-	-	-	552	552	
122	SYNTHETIC RUBBER	-	-	13,970	2,302	16,595	35,794	
123	PLASTIC MATERIALS	-	-	645	1,834	2,677	5,156	
124	DYESTUFF, PIGMENT, PAINTS	-	-	-	-	574	574	
125	CHEM. SPECIALTIES NES	-	-	671	-	1,722	2,393	
126	GASOLINE	21,681	-	-	-	-	21,681	
127	FUEL OIL	148,992	-	-	-	-	148,992	
128	LUBRICATING OIL, GREASE	-	-	-	-	-	-	
129	CDKE	66,895	-	-	-	3,816	70,711	
130	ASPHALTS, ROAD OILS	-	-	-	-	-	-	
131	COAL TAR, PITCH	-	-	-	-	-	-	
132	PETROL, COAL PROD. NES	38,059	-	-	-	35	38,094	
133	FERRO-ALLOYS	-	-	1,116	-	-	1,116	
134	PIG IRON	-	-	-	-	94,868	94,868	
135	PRIMARY IRON, STEEL NES	-	-	-	-	-	-	
136	CASTINGS, FORGINGS	15,457	-	-	-	-	15,457	
137	BAR AND RODS, STEEL	112	-	-	-	-	112	
138	PLATE & SHEET STEEL	-	-	-	-	-	-	
139	STRUCTURAL SHAPES	5,293	-	-	-	-	5,293	
140	RAILS AND TRACK MTL.	-	-	-	-	-	-	
141	PIPE, TUBE, IRON & STEEL	-	-	-	-	-	-	
142	WIRE	-	-	-	-	-	-	
143	ALUMINUM	-	-	10	-	-	10	
144	COPPER AND ALLOYS	-	-	-	-	-	-	
145	LEAD AND ALLOYS	-	-	-	-	-	-	
146	NICKEL AND ALLOYS	-	-	-	-	-	-	
147	NON-FERROUS METAL NES	-	-	-	-	-	-	
148	METAL FAB. BASIC PRCD.	-	-	-	-	-	-	
149	BUILDING BRICK, CLAY	-	-	-	-	-	-	
150	BRICKS, TILES, NES	-	-	-	-	-	-	
151	GLASS BASIC PRODUCTS	-	-	-	-	-	-	
152	ASBESTOS BASIC PRCD.	-	-	-	-	-	-	
153	CEMENT	-	-	-	-	-	-	
154	CEMENT BASIC PRCD.	-	-	-	-	-	-	
155	NON-MET. MIN. BASIC PRCD.	2,584	-	402	-	1,439	4,425	
156	MISC. FABRICATED PRCD.	-	-	-	-	-	-	
157	TOTAL	486,972	22,356	88,372	6,677	39,716	746,829	
158	END PRODUCTS, INEDIBLE	-	-	-	-	-	-	
159	TRACTORS	-	-	-	-	-	-	
160	MACHINERY NES	-	-	9	-	-	9	
161	RAILWAY ROLLING STOCKS	-	-	-	-	-	-	
162	PASS. AUTOS & CHASSIS	-	-	-	-	-	-	
163	TRUCKS AND CHASSIS	-	-	-	-	-	-	
164	MILITARY MOTOR VEH. & TRA.	-	-	-	-	-	-	
165	MOTOR VEHICLE ENGINES	-	-	-	-	-	-	
166	ROAD MOTOR VEH. NES	-	-	-	-	-	-	
167	SHIPS, AIRCRAFT, MIS. VEH.	-	-	-	-	-	-	
168	RUBBER TIRES & TUBES	-	-	-	-	-	-	
169	EQUIPMENT	-	-	-	-	-	-	
170	TOTAL	-	-	9	-	-	9	
171	MISCELLANEOUS FREIGHT N.E.S.	-	-	-	-	-	-	

TABLE 118. CARGO TONNAGE DOWNBOUND THROUGH THE WELLAND CANAL BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA TO					TOTAL
		CANADA	U.S.A.	UNITED KINGDOM	OTHER BRITISH COMMONWEALTH	OTHER EUROPE		OTHER CCUNTRIES
172	PERSONAL, HSEHOLD. GOODS ...	-	-	-	-	-	-
173	FIREARMS, AMMUNITION	-	-	-	-	-	-
174	CONTAINERS, CLOSURES	-	-	-	-	-	-
175	MISC. END PRODUCTS	-	999	22	3	-	1,024
176	TOTAL	-	999	22	3	-	1,024
177	DOMESTIC PACKAGE FREIGHT	-	-	-	-	-	-
178	DOMESTIC PACKAGE FRT.	176,139	-	-	-	-	176,139
179	TOTAL	176,139	-	-	-	-	176,139
180	GRAND TOTALS	14,071,955	23,355	287,752	39,194	545,161	15,138,277

TABLE 11B. CARGO TONNAGE DOWNBOUND THROUGH THE WELAND CANAL BY COMMODITY, ORIGIN AND DESTINATION.

CANADA	U. S. A.	UNITED STATES				TOTAL	GRAND TOTAL	NO.
		UNITED KINGDOM	OTHER BRITISH COMMONWEALTH	OTHER EUROPE	OTHER COUNTRIES			
-	-	506	1,864	1,499	1,472	5,341	5,341	172
-	-	-	-	1,008	1,246	2,254	2,254	173
-	-	103	7	1,844	104	2,058	2,058	174
1,160	-	2,602	755	10,550	2,598	17,665	18,689	175
1,160	-	3,211	2,626	14,901	5,420	27,318	28,342	176
-	-	-	-	-	-	-	-	177
895	-	-	-	-	-	895	177,034	178
895	-	-	-	-	-	895	177,034	179
19,422,483	649,062	950,609	201,268	4,291,496	1,151,278	26,666,196	41,804,473	180

SECTION IV
NON-TOLL CANALS OF THE
ST. LAWRENCE SEAWAY

TABLE 1. NUMBER AND TONNAGE OF VESSELS, CARGO TONNAGE, AND PASSENGERS THROUGH THE SAULT STE. MARIE CANAL BY KIND OF VESSEL.

KIND OF VESSEL	NUMBER OF VESSELS			REGISTERED NET TONS	GROSS TONS	CARGO TONS	NUMBER OF PASSENGERS
	IN BALLAST	WITH CARGO	TOTAL				
UPBOUND.							
CARGO	244	164	408	1,186,982	1,739,557	374,326	
TOURIST CRUISERS	138		138	1,565	14,436		13,973
TANKER	12	62	74	116,110	183,048	238,246	
TUG OR DREDGE	29		29	79	2,753		
TUG AND SCOW	130	4	134	163,902	163,902	13,868	
NAVAL OR GOVERNMENT	35		35	661	9,794		
OTHER	2		2	573	1,088		
TOTAL	590	230	820	1,469,872	2,115,178	626,440	13,973
DOWNBOUND.							
CARGO	11	234	245	661,071	989,668	553,470	
TOURIST CRUISERS	1,665		1,665	1,884	144,597		184,290
SCOW, BARGE, ETC	1		1	35	35		
TANKER	114	11	125	273,145	424,973	39,599	
TUG OR DREDGE	28		28	78	2,972		
TUG AND SCOW	33	105	138	175,570	175,570	132,507	
NAVAL OR GOVERNMENT	32		32	657	7,101		
OTHER	45		45	615	4,923		3,978
TOTAL	1,929	350	2,279	1,113,056	1,749,839	725,576	188,268
GRAND TOTALS	2,519	580	3,099	2,582,928	3,865,017	1,352,016	202,241

TABLE 2. NUMBER AND TONNAGE OF VESSELS, CARGO TONNAGE, AND PASSENGERS THROUGH THE SAULT STE. MARIE CANAL BY REGISTRY OF VESSEL.

COUNTRY OF REGISTRY	NUMBER OF VESSELS			REGISTERED NET TONS	GROSS TONS	CARGO TONS	NUMBER OF PASSENGERS
	IN BALLAST	WITH CARGO	TOTAL				
UPBOUND							
CANADA	502	223	725	1,421,383	2,043,103	576,623	4,646
UNITED STATES	83	7	90	39,798	57,031	29,817	9,327
GERMANY	4		4	6,350	11,161		
NORWAY	1		1	2,371	3,886		
TOTAL	590	230	820	1,469,872	2,115,178	626,440	13,973
DOWNBOUND							
CANADA	625	341	966	995,433	1,483,206	675,827	28,663
UNITED STATES	1,303	9	1,312	114,312	261,833	49,749	159,605
GERMANY	1		1	3,311	4,800		
TOTAL	1,929	350	2,279	1,113,056	1,749,839	725,576	188,268
GRAND TOTALS	2,519	580	3,099	2,582,928	3,865,017	1,352,016	202,241

TABLE 3. NUMBER AND TONNAGE OF VESSELS, CARGO TONNAGE, AND PASSENGERS THROUGH THE SAULT STE. MARIE CANAL BY LENGTH OF VESSEL.

LENGTH OF VESSEL	NUMBER OF VESSELS			REGISTERED NET TONS	GROSS TONS	CARGO TONS	NUMBER OF PASSENGERS
	IN BALLAST	WITH CARGO	TOTAL				
UPBOUND.							
UNDER 80 FEET	185		185	893	14,238		13,973
80 TO 119 FEET	28		28	451	3,135		
120 TO 159 FEET	12		12	6,991	7,387		
160 TO 199 FEET	3		3	3	2,253		
200 TO 239 FEET	103	2	105	138,912	146,080	3,395	
240 TO 279 FEET	69	28	97	132,251	207,960	93,123	
280 TO 319 FEET	30	9	39	66,460	100,254	33,546	
320 TO 359 FEET	84	43	127	277,661	408,740	139,397	
360 TO 399 FEET	13	26	39	109,048	157,911	48,218	
400 TO 439 FEET	3	1	4	12,938	18,113	3,875	
440 TO 479 FEET	27	121	148	561,050	828,943	303,283	
520 TO 559 FEET	17		17	87,032	113,753		
560 TO 599 FEET	16		16	76,182	106,411	1,603	
TOTAL	590	230	820	1,469,872	2,115,178	626,440	13,973

TABLE 3. NUMBER AND TONNAGE OF VESSELS, CARGO TONNAGE, AND PASSENGERS THROUGH THE SAULT STE. MARIE CANAL BY LENGTH OF VESSEL.

LENGTH OF VESSEL	NUMBER OF VESSELS			REGISTERED NET TONS	GROSS TONS	CARGO TONS	NUMBER OF PASSENGERS
	IN BALLAST	WITH CARGO	TOTAL				
DOWNBOUND.							
UNDER 80 FEET	1,751		1,751	2,369	148,443		188,268
80 TO 119 FEET	30		30	1,830	4,772		
120 TO 159 FEET	12		12	7,589	7,935		
160 TO 199 FEET	2		2	2	1,502		
200 TO 239 FEET	8	100	108	143,371	149,919	98,004	
240 TO 279 FEET	28	69	97	130,213	207,626	213,505	
280 TO 319 FEET	10	20	30	48,550	72,685	44,934	
320 TO 359 FEET	34	43	77	162,771	236,755	175,760	
360 TO 399 FEET	8	26	34	103,586	147,172	32,359	
400 TO 439 FEET	36		36	115,080	176,302		
440 TO 479 FEET	8	92	100	387,691	583,591	160,934	
560 TO 599 FEET	2		2	10,054	13,137		
TOTAL	1,929	350	2,279	1,113,056	1,749,839	725,576	188,268
GRAND TOTALS	2,519	580	3,099	2,582,928	3,865,017	1,352,016	202,241

TABLE 4A. NUMBER AND TONNAGE OF VESSELS UPBOUND THROUGH THE SAULT STE. MARIE CANAL BY REGISTRY OF VESSEL, ORIGIN AND DESTINATION.

ORIGIN AND COUNTRY OF REGISTRY	CANADA			DESTINED TO UNITED STATES			TOTAL		
	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS
PORTS BETWEEN SAULT STE. MARIE AND THE GULF OF ST. LAWRENCE.									
COUNTRY OF REGISTRY									
CANADA	719	1,408,416	2,025,335	4	8,617	11,149	723	1,417,033	2,036,484
UNITED STATES	2	4,483	4,682	87	31,815	48,845	89	36,298	53,534
GERMANY	1	1,477	2,411	2	2,932	5,918	3	4,409	8,329
TOTAL	722	1,414,376	2,032,428	93	43,364	65,916	815	1,457,740	2,098,344
PORTS OTHER THAN BETWEEN SAULT STE. MARIE AND THE GULF OF ST. LAWRENCE.									
COUNTRY OF REGISTRY									
CANADA	2	4,320	6,616				2	4,320	6,616
UNITED STATES				1	3,500	3,500	1	3,500	3,500
GERMANY	1	1,941	2,832				1	1,941	2,832
NORWAY				1	2,371	3,886	1	2,371	3,886
TOTAL	3	6,261	9,448	2	5,871	7,386	5	12,132	16,834
GRAND TOTALS	725	1,420,637	2,041,876	95	49,235	73,302	820	1,459,872	2,115,718

TABLE 4B. NUMBER AND TONNAGE OF VESSELS DOWNBOUND THROUGH THE SAULT STE. MARIE CANAL BY REGISTRY OF VESSEL, ORIGIN AND DESTINATION

DESTINATION AND COUNTRY OF REGISTRY	CANADA			ORIGINATING IN UNITED STATES			TOTAL		
	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS	VESSELS	REG. NET	GROSS TONS
PORTS BETWEEN SAULT STE. MARIE AND THE GULF OF ST. LAWRENCE.									
COUNTRY OF REGISTRY									
CANADA	958	983,320	1,466,913	4	5,621	7,499	962	988,941	1,474,412
UNITED STATES	3	3,056	5,549	1,309	111,256	256,284	1,312	114,312	261,833
GERMANY				1	3,311	4,800	1	3,311	4,800
TOTAL	961	986,376	1,472,462	1,314	120,188	268,583	2,275	1,106,564	1,741,045
PORTS OTHER THAN BETWEEN SAULT STE. MARIE AND THE GULF OF ST. LAWRENCE.									
COUNTRY OF REGISTRY									
CANADA	4	6,492	8,794				4	6,492	8,794
TOTAL	4	6,492	8,794				4	6,492	8,794
GRAND TOTALS	965	992,868	1,481,256	1,314	120,188	268,583	2,279	1,113,056	1,749,839

TABLE 5. NUMBER AND TONNAGE OF VESSELS THROUGH THE SAULT STE. MARIE BY REGISTRY OF VESSEL AND BY REG.

COUNTRY OF REGISTRY	STEAM			MOTOR			OTHER			TOTAL		
	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS	NO. OF VESSELS	REG. NET TONS	GROSS TONS
UPBOUND.												
CANADA	174	553,192	798,120	422	721,785	1,098,604	129	146,376	146,376	725	1,421,353	2,043,100
UNITED STATES ..	3	7,888	13,737	82	14,384	25,768	5	17,526	17,526	90	39,798	57,031
GERMANY				4	6,350	11,161				4	6,350	11,161
NORWAY				1	2,371	3,886				1	2,371	3,886
TOTAL	177	561,080	811,857	509	744,890	1,139,419	134	163,902	163,902	820	1,469,872	2,115,178
DOWNBOUND.												
CANADA	128	337,454	517,140	706	506,675	814,762	132	151,304	151,304	966	995,433	1,483,206
UNITED STATES ..	23	73,670	114,453	1,282	16,341	123,079	7	24,301	24,301	1,312	114,312	261,433
GERMANY				1	3,311	4,800				1	3,311	4,800
TOTAL	151	411,124	631,593	1,989	526,327	942,641	139	175,605	175,605	2,279	1,113,056	1,749,839
GRAND TOTALS ..	328	972,204	1,443,450	2,498	1,271,217	2,082,060	273	339,507	339,507	3,099	2,582,928	3,865,017

TABLE 6. NUMBER AND TONNAGE OF VESSELS THROUGH THE SAULT STE. MARIE BY KIND AND LENGTH.

KIND AND LENGTH OF VESSEL	UPBOUND			DOWNBOUND			TOTAL		
	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS
CARGO VESSEL.									
UNDER 80 FEET	137	287	13,158	1,665	1,884	144,597	1,802	2,171	157,755
120 TO 159 FEET	1	100	150				1	100	150
200 TO 239 FEET	1	1,278	1,278	1	572	1,674	2	1,850	2,952
240 TO 279 FEET	69	96,530	151,799	67	92,894	147,078	136	189,424	298,877
280 TO 319 FEET	29	50,272	76,216	20	32,362	48,647	49	82,634	124,863
320 TO 359 FEET	88	201,718	299,998	33	72,203	110,235	121	273,921	410,233
360 TO 399 FEET	37	104,852	149,603	29	89,117	124,622	66	193,969	274,225
400 TO 439 FEET	3	9,246	12,684	1	3,082	4,228	4	12,328	16,912
440 TO 479 FEET	148	561,050	828,943	92	360,787	540,047	240	921,837	1,368,990
480 TO 519 FEET									
520 TO 559 FEET	17	87,032	113,753				17	87,032	113,753
560 TO 599 FEET	16	76,182	106,411	2	10,054	13,137	18	86,236	119,548
TOTALS	546	1,188,547	1,753,993	1,910	662,955	1,134,265	2,456	1,851,502	2,888,258
BARGE OR SCOW.									
UNDER 80 FEET				1	35	35	1	35	35
TOTALS				1	35	35	1	35	35
TANKER.									
200 TO 239 FEET				29	33,793	57,022	55	63,884	107,553
240 TO 279 FEET	26	30,091	50,531	29	33,793	57,022	55	63,884	107,553
280 TO 319 FEET	10	16,188	24,038	10	16,188	24,038	20	32,376	48,076
320 TO 359 FEET	35	61,943	94,742	38	69,793	105,745	73	131,736	200,487
360 TO 399 FEET	2	4,196	8,308	5	14,469	22,550	7	18,665	30,858
400 TO 439 FEET	1	3,692	5,429	35	111,998	172,074	36	115,690	177,503
440 TO 479 FEET				8	26,904	43,544	8	26,904	43,544
TOTALS	74	116,110	183,048	125	273,145	424,973	199	389,255	608,021
TUG OR DREDGE.									
UNDER 80 FEET	6	6	234	5	5	195	11	11	429
80 TO 119 FEET	23	73	2,519	23	73	2,777	46	146	5,296
TOTALS	29	79	2,753	28	78	2,972	57	157	5,725
TUG AND SCOW.									
UNDER 80 FEET	15	573	573	11	376	376	26	949	949
80 TO 119 FEET	4	377	377	6	1,756	1,756	10	2,133	2,133
120 TO 159 FEET	10	6,890	6,890	11	7,588	7,588	21	14,478	14,478
160 TO 199 FEET									
200 TO 239 FEET	99	136,432	136,432	103	141,549	141,549	202	277,981	277,981
240 TO 279 FEET	2	5,630	5,630	1	3,526	3,526	3	9,156	9,156
280 TO 319 FEET									
320 TO 359 FEET	4	14,000	14,000	6	20,775	20,775	10	34,775	34,775
TOTALS	134	163,902	163,902	138	175,570	175,570	272	339,472	339,472
OTHER VESSELS.									
UNDER 80 FEET	27	27	273	69	69	3,240	96	96	3,513
80 TO 119 FEET	1	1	239	1	1	239	2	2	478
120 TO 159 FEET	1	1	347	1	1	347	2	2	694
160 TO 199 FEET	3	3	2,253	2	2	1,502	5	5	3,755
200 TO 239 FEET	5	1,202	8,370	4	1,200	6,696	9	2,402	15,066
TOTALS	37	1,234	11,482	77	1,273	12,024	114	2,507	23,506
GRAND TOTALS	820	1,469,872	2,115,178	2,279	1,113,056	1,749,839	3,099	2,582,928	3,865,017

TABLE 7. NUMBER AND TONNAGE OF VESSELS THROUGH THE SAULT STE. MARIE BY KIND AND DRAFT.

KIND AND DRAFT OF VESSEL	UPBOUND			DOWNBOUND			TOTAL		
	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS	NO. OF VESSELS	REGISTERED NET TONS	GROSS TONS
CARGO VESSEL.									
5 FEET AND UNDER	67	166	7,080	434	653	45,570	501	819	52,650
6 TO 7 FEET	71	221	6,228	1,231	1,231	99,027	1,302	1,452	105,255
10 TO 11 FEET	8	12,814	16,426				8	12,814	16,426
12 TO 13 FEET	4	12,400	17,866	7	11,536	15,148	11	23,936	33,014
14 TO 15 FEET	10	28,982	42,216	1	1,170	1,969	11	30,152	44,185
16 TO 17 FEET	63	114,881	185,424	53	73,491	124,585	116	188,372	310,009
18 TO 19 FEET	46	125,142	163,558	19	45,614	62,402	65	170,756	225,960
20 TO 21 FEET	142	405,907	599,101	57	145,785	221,625	199	551,692	820,726
22 TO 23 FEET	39	117,917	165,604	32	91,932	127,365	71	209,849	292,969
24 TO 25 FEET	96	370,117	550,490	76	291,543	436,574	172	661,660	987,064
TOTALS	546	1,188,547	1,753,993	1,910	662,955	1,134,265	2,456	1,851,502	2,888,258
BARGE OR SCOW.									
5 FEET AND UNDER				1	35	35	1	35	35
TOTALS				1	35	35	1	35	35
TANKER.									
14 TO 15 FEET	2	2,207	2,941	2	2,207	2,941	4	4,414	5,882
16 TO 17 FEET	44	75,146	115,460	43	72,190	111,711	87	147,336	227,171
18 TO 19 FEET	25	30,869	50,910	28	34,571	57,401	53	65,440	108,311
20 TO 21 FEET	2	4,196	8,308	14	40,101	63,094	16	44,297	71,402
22 TO 23 FEET	1	3,692	5,429	38	124,076	189,826	39	127,768	195,255
TOTALS	74	116,110	183,048	125	273,145	424,973	199	389,255	608,021
TUG OR DREDGE.									
8 TO 9 FEET	6	6	234	6	6	386	12	12	620
10 TO 11 FEET	22	72	2,411	21	71	2,293	43	143	4,704
12 TO 13 FEET	1	1	108	1	1	293	2	2	401
TOTALS	29	79	2,753	28	78	2,972	57	157	5,725
TUG AND BARGE.									
5 FEET AND UNDER	17	823	823	15	2,012	2,012	32	2,835	2,835
6 TO 7 FEET	4	4,905	4,905	4	3,728	3,728	8	8,633	8,633
8 TO 9 FEET									
10 TO 11 FEET	108	142,044	142,044	111	146,473	146,473	219	288,517	288,517
12 TO 13 FEET	3	10,526	10,526	5	13,082	13,082	8	23,608	23,608
14 TO 15 FEET	2	5,604	5,604	3	10,275	10,275	5	15,879	15,879
TOTALS	134	163,902	163,902	138	175,570	175,570	272	339,472	339,472
OTHER VESSELS.									
5 FEET AND UNDER	27	27	273	26	26	230	53	53	503
6 TO 7 FEET	1	1	239	44	44	3,249	45	45	3,488
12 TO 13 FEET	4	4	2,600	4	575	3,523	8	579	6,123
16 TO 17 FEET	2	1,199	3,348				2	1,199	3,348
18 TO 19 FEET	3	3	5,022	3	628	5,022	6	631	10,044
TOTALS	37	1,234	11,482	77	1,273	12,024	114	2,507	23,506
GRAND TOTALS	820	1,469,872	2,115,178	2,279	1,113,056	1,749,839	3,099	2,582,928	3,865,017

TABLE 8A. CARGO TONNAGE UPBOUND THROUGH THE SAULT STE. MARIE CANAL BY ORIGIN AND DESTINATION.

PORTS OF LOADING	DESTINATION								
	CANADA			UNITED STATES			TOTAL		
	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL
PORTS BETWEEN SAULT STE. MARIE AND GULF OF ST. LAWRENCE.									
CANADA	587,333		587,333				587,333		587,333
UNITED STATES	11,740	2,414	14,154	24,953		24,953	36,693	2,414	39,107
TOTAL	599,073	2,414	601,487	24,953		24,953	624,026	2,414	626,440
GRAND TOTALS	599,073	2,414	601,487	24,953		24,953	624,026	2,414	626,440

TABLE 8B. CARGO TONNAGE DOWNBOUND THROUGH THE SAULT STE. MARIE CANAL BY DESTINATION AND ORIGIN.

PORTS OF UNLOADING	CANADA			ORIGIN UNITED STATES			TOTAL		
	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL	BULK	GENERAL	TOTAL
PORTS BETWEEN SAULT STE. MARIE AND GULF OF ST. LAWRENCE.									
CANADA	325,463		325,463	4,660		4,660	330,123		330,123
UNITED STATES	168,956	164,192	333,148	47,903		47,903	216,859	164,192	381,051
CANADIAN ATLANTIC PORTS	14,402		14,402				14,402		14,402
TOTAL	508,821	164,192	673,013	52,563		52,563	561,384	164,192	725,576
GRAND TOTALS	508,821	164,192	673,013	52,563		52,563	561,384	164,192	725,576

TABLE 9A. CARGO TONNAGE UPBOUND THROUGH THE SAULT STE. MARIE CANAL BY ORIGIN AND REGISTRY OF VESSEL.

ORIGIN	COUNTRY OF REGISTRY	CARGO TONNAGE		
		BULK	GENERAL	TOTAL
PORTS BETWEEN SAULT STE. MARIE AND THE GULF OF ST. LAWRENCE	CANADA	594,209	2,414	596,623
	UNITED STATES	29,817		29,817
	TOTAL	624,026	2,414	626,440
	GRAND TOTALS	624,026	2,414	626,440

TABLE 9B. CARGO TONNAGE DOWNBOUND THROUGH THE SAULT STE. MARIE CANAL BY DESTINATION AND REGISTRY OF VESSEL.

DESTINATION	COUNTRY OF REGISTRY	CARGO TONNAGE		
		BULK	GENERAL	TOTAL
PORTS BETWEEN SAULT STE. MARIE AND THE GULF OF ST. LAWRENCE	CANADA	497,233	164,192	661,425
	UNITED STATES	49,749		49,749
	TOTAL	546,982	164,192	711,174
PORTS OTHER THAN BETWEEN SAULT STE. MARIE AND THE GULF OF ST. LAWRENCE ...	CANADA	14,402		14,402
	TOTAL	14,402		14,402
GRAND TOTALS		561,384	164,192	725,576

TABLE 10. NUMBER OF VESSELS AND CARGO TONNAGE THROUGH THE SAULT STE. MARIE CANAL BY KIND AND GROSS TONNAGE.

KIND AND GROSS TONNAGE OF VESSEL	UPBOUND			CARGO TONNAGE				DOWNBOUND			CARGO TONNAGE			
	NUMBER OF VESSELS			BULK	GENERAL	TOTAL	AVERAGE	NUMBER OF VESSELS			BULK	GENERAL	TOTAL	AVERAGE
	BAL.	CARGO	TOTAL					BAL.	CARGO	TOTAL				
						
CARGO.														
UNDER 1,000	138		138					1,665		1,665				
1,000 TC 1,999	1		1					2		2				
2,000 TC 2,999	91	4	95	10,869		10,869	2,717.3	84	86	185,698	56,409	242,107	2,882.2	
3,000 TC 3,999	89	13	102	8,300	2,053	10,353	796.4	2	32	94,647	23,423	118,070	3,689.7	
4,000 TC 4,999	27	26	53	48,182	36	48,218	1,854.5	3	26	17,697	14,862	32,559	1,244.6	
5,000 TC 5,999	3	96	99	233,968	259	234,227	2,439.9	77	77	74,796	57,156	131,952	1,713.7	
6,000 TC 6,999	32	25	57	70,593	66	70,659	2,826.4	2	15	16,440	12,542	28,982	1,932.1	
7,000 TC 7,999	1		1											
TOTAL	382	164	546	371,912	2,414	374,326	...	1,676	234	1,910	389,278	164,192	553,470	...
BARGE OR SCOW.														
UNDER 1,000								1		1				
TOTAL								1		1				...
TANKER.														
1,000 TC 1,999	2	25	27	83,350		83,350	3,334.0	22	4	26	11,427		11,427	2,856.8
2,000 TC 2,999	7	35	42	146,725		146,725	4,192.1	40	6	46	23,619		23,619	3,936.5
3,000 TC 3,999	1	1	2	4,296		4,296	4,296.0	2	1	3	4,553		4,553	4,553.0
4,000 TC 4,999	2		2							35				
5,000 TC 5,999		1	1	3,875		3,875	3,875.0	15		15				
TOTAL	12	62	74	238,246		238,246	...	114	11	125	39,599		39,599	...
TUG AND SCOW.														
UNDER 1,000	29		29					27		27				
1,000 TC 1,999	86	2	88	3,395		3,395	1,697.5	4	89	93	88,104		88,104	989.9
2,000 TC 2,999	12		12					11	11	9,900			9,900	900.0
3,000 TC 3,999	3	2	5	10,473		10,473	5,236.5	2	5	7	34,503		34,503	6,900.6
TOTAL	130	4	134	13,868		13,868	...	33	105	138	132,507		132,507	...
OTHER.														
UNDER 1,000	61		61					101		101				
1,000 TC 1,999	5		5					4		4				
TOTAL	66		66					105		105				...
GRAND TOTALS ..	590	230	820	624,026	2,414	626,440	...	1,929	350	2,279	561,384	164,192	725,576	...

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE SAULT STE. MARIE CANAL BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA		UNITED STATES		UNITED KINGDOM	
		TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.
1	CRUDE MATERIALS, INEDIBLE.	-	-	-	-	-	-
2	LIMESTONE	-	-	3,395	-	-	-
3	SALT	16,109	-	-	-	-	-
4	TOTAL	16,109	-	3,395	-	-	-
5	FABRICATED MATERIALS, INEDIBLE	-	-	-	-	-	-
6	INORGANIC CHEMICALS	3,060	-	-	-	-	-
7	GASOLINE	35,076	-	-	5,975	-	-
8	FUEL OIL	180,345	-	8,345	18,978	-	-
9	PRIMARY IRON, STEEL NES	-	-	219	-	-	-
10	CASTINGS, FDGINGS	-	-	1,503	-	-	-
11	STRUCTURAL SHAPES	-	-	331	-	-	-
12	MISC. END PRODUCTS	-	-	361	-	-	-
13	TOTAL	218,481	-	10,759	24,953	-	-
14	DOMESTIC PACKAGE FREIGHT	-	-	-	-	-	-
15	DOMESTIC PACKAGE FRT.	352,743	-	-	-	-	-
16	TOTAL	352,743	-	-	-	-	-
17	GRAND TOTALS	587,333	-	14,154	24,953	-	-

TABLE 11B. CARGO TONNAGE DOWNBOUND THROUGH THE SAULT STE. MARIE CANAL BY COMMODITY, ORIGIN AND DESTINATION.

NO.	COMMODITY	CANADA TO						TOTAL
		CANADA	U.S.A.	UNITED KINGDOM	OTHER BRITISH COMMONWEALTH	OTHER EUROPE	OTHER COUNTRIES	
1	FOOD, FEED, BEVERAGES, TOBACCO	-	-	-	-	-	-	-
2	BARLEY	39,129	21,291	-	-	-	-	60,420
3	CATS	805	-	-	-	-	-	805
4	RYE	3,892	5,899	-	-	-	-	9,791
5	WHEAT	22,962	-	-	-	-	-	22,962
6	MALT AND MALT FLOUR	9,770	3,500	-	-	-	-	13,270
7	HULLS, SCREENINGS, CHAFF	986	-	-	-	-	-	986
8	TOTAL	77,544	30,690	-	-	-	-	108,234
9	CRUDE MATERIALS, INEDIBLE.	-	-	-	-	-	-	-
10	FLAXSEED	5,683	-	-	-	-	-	5,683
11	PULPWOOD	-	2,880	-	-	-	-	2,880
12	SAND AND GRAVEL	96,550	-	-	-	-	-	96,550
13	TOTAL	102,233	2,880	-	-	-	-	105,113
14	FABRICATED MATERIALS, INEDIBLE	-	-	-	-	-	-	-
15	PULP	-	127,912	-	-	-	-	127,912
16	NEWSPRINT PAPER	-	58,318	-	-	-	-	58,318
17	VEG. OILS, FATS, NES	-	-	-	-	-	-	-
18	FERTILIZERS	-	-	-	-	-	-	-
19	GASOLINE	-	3,491	-	-	-	-	3,491
20	FUEL OIL	8,558	880	-	-	-	-	9,438
21	PETROL, COAL PROD. NES	17,845	-	-	-	-	-	17,845
22	PRIMARY IRON, STEEL NES	4,407	842	-	-	-	-	5,249
23	CASTINGS, FDGINGS	5,653	3,376	-	-	-	-	9,029
24	BAR AND RODS, STEEL	252	114	-	-	-	-	366
25	PLATE & SHEET STEEL	12,164	15,784	-	-	-	-	27,948
26	STRUCTURAL SHAPES	3,462	3,297	-	-	-	-	6,759
27	RAILS AND TRACK MTL.	8	10	-	-	-	-	18
28	TOTAL	52,349	214,024	-	-	-	-	266,373
29	MISCELLANEOUS FREIGHT N.E.S.	-	-	-	-	-	-	-
30	MISC. END PRODUCTS	-	85,554	-	-	-	-	85,554
31	TOTAL	-	85,554	-	-	-	-	85,554
32	DOMESTIC PACKAGE FREIGHT	-	-	-	-	-	-	-
33	DOMESTIC PACKAGE FRT.	107,739	-	-	-	-	-	107,739
34	TOTAL	107,739	-	-	-	-	-	107,739
35	GRAND TOTALS	339,865	333,148	-	-	-	-	673,013

TABLE 11A. CARGO TONNAGE UPBOUND THROUGH THE SAULT STE. MARIE CANAL BY COMMODITY, ORIGIN AND DESTINATION.

OTHER BRITISH COMMONWEALTH		OTHER EUROPE		OTHER COUNTRIES		TOTAL		GRAND TOTAL	NO.
TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.	TO CANADA	TO U.S.A.		
-	-	-	-	-	-	3,395	-	3,395	1
-	-	-	-	-	-	16,109	-	16,109	2
-	-	-	-	-	-	19,504	-	19,504	3
-	-	-	-	-	-	-	-	-	4
-	-	-	-	-	-	-	-	-	5
-	-	-	-	-	-	3,060	-	3,060	6
-	-	-	-	-	-	35,076	5,975	41,051	7
-	-	-	-	-	-	188,690	18,978	207,668	8
-	-	-	-	-	-	219	-	219	9
-	-	-	-	-	-	1,503	-	1,503	10
-	-	-	-	-	-	331	-	331	11
-	-	-	-	-	-	361	-	361	12
-	-	-	-	-	-	229,240	24,953	254,193	13
-	-	-	-	-	-	-	-	-	14
-	-	-	-	-	-	352,743	-	352,743	15
-	-	-	-	-	-	352,743	-	352,743	16
-	-	-	-	-	-	601,487	24,953	626,440	17

TABLE 11B. CARGO TONNAGE DOWNBOUND THROUGH THE SAULT STE. MARIE CANAL BY COMMODITY, ORIGIN AND DESTINATION.

CANADA	U.S.A.	UNITED KINGDOM	UNITED STATES		OTHER EUROPE	OTHER COUNTRIES	TOTAL	GRAND TOTAL	NO.
			OTHER BRITISH COMMONWEALTH	OTHER BRITISH COMMONWEALTH					
-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	60,420	60,420	2
-	-	-	-	-	-	-	805	805	3
-	-	-	-	-	-	-	9,791	9,791	4
-	-	-	-	-	-	-	22,962	22,962	5
-	-	-	-	-	-	-	13,270	13,270	6
-	-	-	-	-	-	-	986	986	7
-	-	-	-	-	-	-	108,234	108,234	8
-	-	-	-	-	-	-	-	-	9
-	-	-	-	-	-	-	5,683	5,683	10
-	-	-	-	-	-	-	2,880	2,880	11
-	-	-	-	-	-	-	96,550	96,550	12
-	-	-	-	-	-	-	105,113	105,113	13
-	-	-	-	-	-	-	-	-	14
-	-	-	-	-	-	-	127,912	127,912	15
-	-	-	-	-	-	-	58,318	58,318	16
-	4,985	-	-	-	-	4,985	4,985	4,985	17
4,660	4,575	-	-	-	-	9,235	9,235	9,235	18
-	28,263	-	-	-	-	28,263	31,854	31,854	19
-	9,980	-	-	-	-	9,980	19,418	19,418	20
-	-	-	-	-	-	-	17,845	17,845	21
-	-	-	-	-	-	-	5,249	5,249	22
-	-	-	-	-	-	-	9,029	9,029	23
-	-	-	-	-	-	-	366	366	24
-	-	-	-	-	-	-	27,948	27,948	25
-	-	-	-	-	-	-	6,759	6,759	26
-	-	-	-	-	-	-	18	18	27
4,660	47,903	-	-	-	-	52,563	318,936	318,936	28
-	-	-	-	-	-	-	-	-	29
-	-	-	-	-	-	-	85,554	85,554	30
-	-	-	-	-	-	-	85,554	85,554	31
-	-	-	-	-	-	-	-	-	32
-	-	-	-	-	-	-	107,739	107,739	33
-	-	-	-	-	-	-	107,739	107,739	34
4,660	47,903	-	-	-	-	52,563	725,576	725,576	35

TABLE 12. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through the Lachine Canal, 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	5	-	5	1,231	2,102	-	-	-	5	5	1,231	2,102	1,750	-
Totals	5	-	5	1,231	2,102	-	-	-	5	5	1,231	2,102	1,750	-
Scow or barge:														
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tug:														
Canada	9	-	9	9	492	-	-	8	-	8	8	471	-	-
Totals	9	-	9	9	492	-	-	8	-	8	8	471	-	-
Tug and dredge:														
Canada	5	1	6	3,543	3,543	110	-	9	-	9	3,564	3,564	-	-
Totals	5	1	6	3,543	3,543	110	-	9	-	9	3,564	3,564	-	-
Other:														
Canada	1	-	1	1	2	-	-	1	-	1	1	2	-	-
Totals	1	-	1	1	2	-	-	1	-	1	1	2	-	-
Lachine totals	20	1	21	4,784	6,139	110	-	18	5	23	4,804	6,139	1,750	-

TABLE 13. Number and Tonnage of Vessels Through the Lachine Canal, 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	1,241	2,596	6	3,543	3,543	21	4,784	6,139
Canada to United States:												
Canada	-	-	-	-	-	-	-	-	-	-	-	-
Totals	-	-	-	15	1,241	2,596	6	3,543	3,543	21	4,784	6,139
Downbound:												
Canada to Canada:												
Canada	-	-	-	13	877	1,827	9	3,564	3,564	22	4,441	5,391
United States to Canada:												
Canada	-	-	-	1	363	748	-	-	-	1	363	748
Totals	-	-	-	14	1,240	2,575	9	3,564	3,564	23	4,804	6,139
Lachine totals	-	-	-	29	2,481	5,171	15	7,107	7,107	44	9,588	12,278

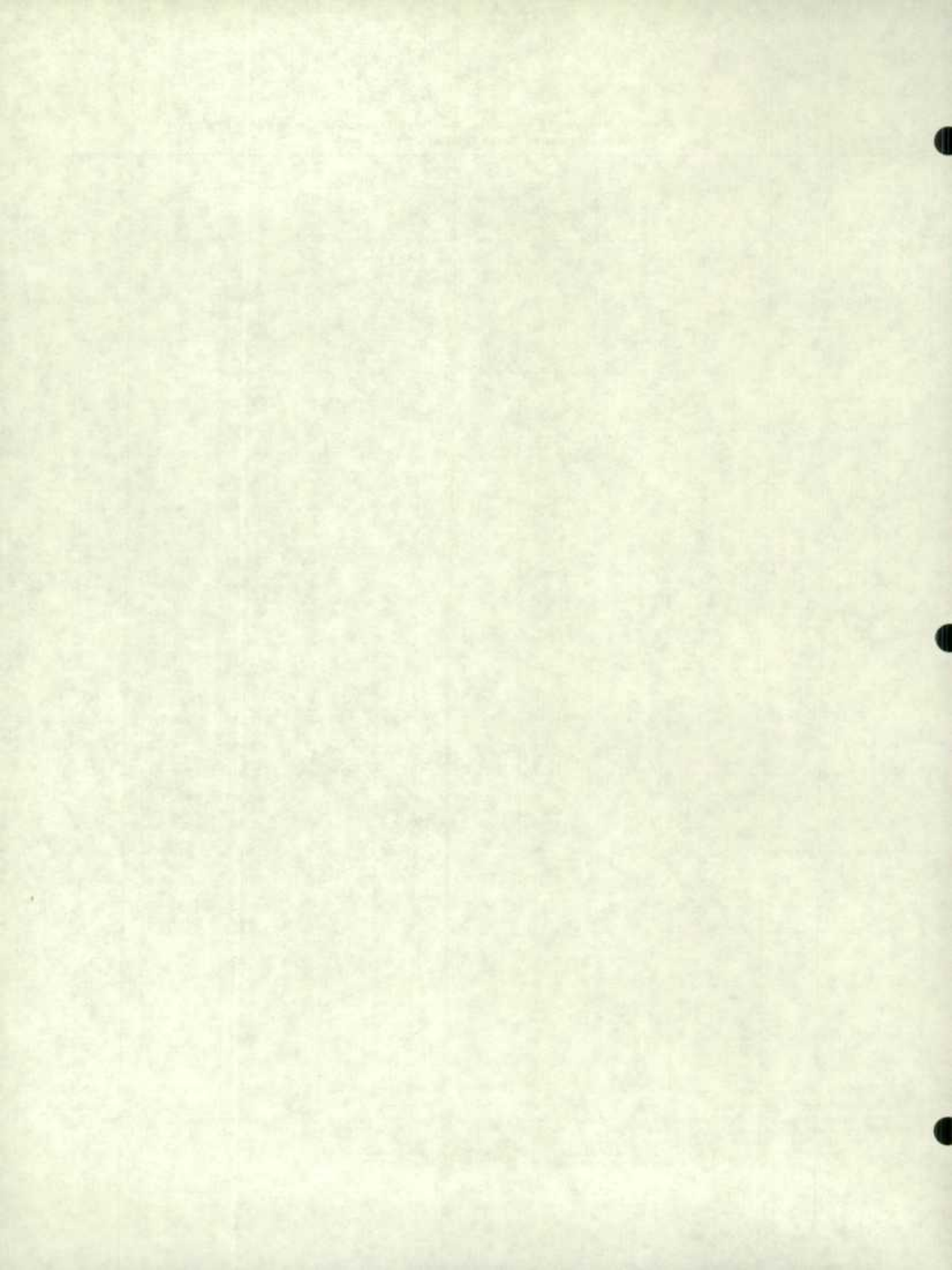
TABLE 14. Cargo Tonnage Through the Lachine Canal, by Commodity, and by Origin and Destination

Commodity	Canada to Canada		United States to Canada		Other to Canada		Total	
	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound
Coal bituminous, sub-bituminous and lignite	-	-	-	-	-	-	-	-
Lumber	-	1,150	-	-	-	-	-	1,150
Structural steel	-	-	-	-	600	-	-	600
Machinery	110	-	-	-	-	-	110	-
Totals	110	1,150	-	-	600	-	110	1,750

TABLE 15. Vessel Transits, Number of Passengers, and Cargo Tonnage by Commodity, Through the Canadian and United States Sault Ste. Marie Canals¹

	Upbound			Downbound			Grand total 1970	Grand total 1969
	Canadian Canal	United States Canal ²	Total	Canadian Canal	United States Canal ²	Total		
	Number							
Vessel transits	820	7,495	8,315	2,279	6,116	8,395	16,710	16,733
Passengers	13,973	179,648	193,621	188,268	22,586	210,854	404,475	384,590
	Cargo tonnage							
Paper and woodpulp	-	-	-	186,230	73,326	259,556	259,556	283,992
Pulpwood, lumber and logs	-	-	-	2,880	45	2,925	2,925	15,689
Wheat	-	-	-	22,962	11,475,317	11,498,279	11,498,279	7,960,799
Barley	-	-	-	60,420	4,670,358	4,730,778	4,730,778	1,568,867
Oats	-	-	-	805	918,094	918,899	918,899	424,174
Corn	-	-	-	-	778,507	778,507	778,507	622,229
Rye	-	-	-	9,791	116,589	126,380	126,380	90,950
Flaxseed	-	-	-	5,683	382,199	387,882	387,882	453,374
Soya beans	-	-	-	-	331,407	331,407	331,407	158,591
Flour	-	5,376	5,376	-	4,527	4,527	9,903	23,515
Mill products, screenings	-	-	-	986	586,819	587,805	587,805	465,750
Iron ore	-	2,650	2,650	-	69,419,502	69,419,502	69,422,152	74,583,888
Manufactured iron and steel	2,053	144,503	146,556	49,351	200,637	249,988	396,544	301,107
Pig iron	-	-	-	-	7,616	7,616	7,616	66,299
Scrap iron	-	14,500	14,500	-	193,487	193,487	207,987	227,746
Sand, gravel and stone	3,395	1,679,893	1,683,288	96,550	-	96,550	1,779,838	1,487,862
Fuel oil	207,668	463,919	671,587	19,418	44,279	63,697	735,284	688,359
Other petroleum products	-	-	-	17,845	-	17,845	17,845	44,038
Gasoline	41,051	184,590	225,641	31,854	33,369	65,223	290,864	361,514
Cement	-	485,483	485,483	-	-	-	485,483	365,096
Coal, bituminous	-	6,275,056	6,275,056	-	446,058	446,058	6,721,114	6,571,324
Coal, anthracite	-	-	-	-	-	-	-	-
Coke	-	-	-	-	-	-	-	-
Salt	16,109	-	16,109	-	-	-	16,109	26,460
Autos, trucks and parts.....	-	-	-	-	-	-	-	-
Other	356,164	565,492	921,656	220,601	547,022	767,823	1,689,479	1,715,424
Totals	626,440	9,821,462	10,447,902	725,576	90,229,158	90,954,734	101,402,636	98,506,987

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) Davis Locks - Length 1,350 ft., width 80 ft., depth 23.1 ft.
(2) Sabin Locks - Length 1,350 ft., width 80 ft., depth 23.1 ft.
(3) Mac Arthur Locks - Length 800 ft., width 80 ft., depth 31.0 ft.



SECTION V

CANSO AND OTHER CANADIAN CANALS

TABLE 1. 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	39	43	82	93,943	149,438	52,750	—	18	80	98	137,301	220,830	244,532	—
	United States	2	—	2	5,724	6,512	—	—	1	2	3	5,762	6,609	6,500	—
	United Kingdom	11	3	14	15,736	31,499	860	—	4	17	21	25,016	50,027	57,002	—
	Other	21	19	40	56,264	99,355	54,001	—	8	27	35	55,241	99,308	63,462	5
	Totals	73	65	138	171,667	286,804	107,611	—	31	126	157	223,320	376,774	371,496	5
Tanker	Canada	4	108	112	336,966	547,319	774,345	—	108	18	126	410,049	658,189	100,743	—
	Other	1	5	6	7,427	12,994	15,252	—	6	1	7	8,094	14,256	1,400	—
	Totals	5	113	118	344,393	560,313	789,597	—	114	19	133	418,143	672,445	102,143	—
Other	Canada	320	29	349	82,552	134,753	73,370	—	344	25	369	119,218	184,440	10,077	—
	United States	16	1	17	6,881	12,158	10,400	—	40	1	41	3,779	29,654	140	—
	United Kingdom	6	2	8	1,661	7,497	550	—	6	2	8	1,661	4,854	130	—
	Other	3	2	5	2,785	10,599	3,901	—	3	—	3	172	424	—	—
	Totals	345	34	379	93,879	165,007	88,221	—	393	28	421	129,830	219,372	10,347	—
	Grand totals	423	212	635	609,939	1,012,124	985,429	—	538	173	711	771,293	1,268,591	483,986	5

TABLE 2. 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	6	2,169	6,468	470	400,480	671,756	26	49,149	49,149	502	451,798	727,373
	United States	—	—	—	3	224	597	—	—	—	3	224	597
	United Kingdom	—	—	—	13	3,636	9,016	—	—	—	13	3,636	9,016
	Other	2	2,617	4,701	18	8,728	16,085	—	—	—	20	11,345	20,786
Canada to United States	Canada	—	—	—	1	1,619	2,497	—	—	—	1	1,619	2,497
	United States	—	—	—	1	80	120	—	—	—	1	80	120
Canada to other	Other	—	—	—	4	9,078	15,358	—	—	—	4	9,078	15,358
United States to Canada	Canada	1	1	3,000	22	36,104	58,851	—	—	—	23	36,105	61,851
	United States	1	1	3,500	6	6,127	7,073	1	5,000	5,000	8	11,128	15,573
	United Kingdom	1	1	2,900	8	13,760	27,080	—	—	—	9	13,761	29,980
	Other	5	5,348	15,434	13	19,727	34,779	—	—	—	18	25,075	50,213
United States to United States	United States	—	—	—	6	347	1,554	1	826	826	7	1,173	2,380
United States to other	Other	—	—	—	2	7,132	12,343	—	—	—	2	7,132	12,343
Other to Canada	Canada	—	—	—	16	21,701	36,179	—	—	—	16	21,701	36,179
	Other	—	—	—	7	13,846	24,248	—	—	—	7	13,846	24,248
Other to United States	Canada	—	—	—	1	2,238	3,610	—	—	—	1	2,238	3,610
	Totals	16	10,137	36,003	591	544,827	921,146	28	54,975	54,975	635	609,939	1,012,124
Downbound:													
Canada to Canada	Canada	12	26,916	46,525	503	500,024	835,741	28	77,557	77,557	543	604,497	959,823
	United States	—	—	—	9	375	3,768	—	—	—	9	375	3,768
	United Kingdom	1	1	257	16	8,382	18,403	—	—	—	17	8,383	18,660
	Other	—	—	—	17	16,564	29,571	—	—	—	17	16,564	29,571
Canada to United States	Canada	—	—	—	24	33,446	56,513	2	88	88	26	33,534	56,601
	United States	—	—	—	10	6,312	12,072	1	826	826	11	7,138	12,898
	United Kingdom	—	—	—	9	15,762	31,174	—	—	—	9	15,762	31,174
	Other	4	7,128	12,912	4	8,491	16,037	—	—	—	8	15,619	28,949
Canada to United Kingdom	United Kingdom	—	—	—	2	2,057	4,158	—	—	—	2	2,057	4,158
Canada to other	Canada	—	—	—	23	28,077	46,575	—	—	—	23	28,077	46,575
	United Kingdom	—	—	—	1	475	889	—	—	—	1	475	889
	Other	2	2,053	3,647	18	29,271	51,821	—	—	—	20	31,324	55,468
United States to United States	United States	1	1	1,400	19	667	11,837	5	6,820	6,820	25	7,488	20,997
	Totals	20	36,099	64,741	655	649,903	1,118,559	36	85,291	85,291	711	771,293	1,268,591
	Grand totals	36	46,236	100,744	1,246	1,194,730	2,039,705	64	140,266	140,266	1,346	1,381,232	2,280,715

TABLE 3 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														
Live animals, n.e.s.	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Fish, fresh, chilled or frozen	2,602	2,541	-	4,454	-	-	-	-	-	-	-	-	-	2,602	6,995
Fish, smoked, salted, dried or pickled	50	200	-	-	-	-	-	-	-	-	-	-	-	50	200
Barley	-	14,094	-	-	-	-	-	-	-	-	-	-	-	-	14,094
Wheat	-	132,675	-	-	-	-	-	-	-	-	-	-	-	-	132,675
Malt and malt flour	-	1,711	-	-	-	-	-	-	-	-	-	-	-	-	1,711
Potatoes	-	3,750	-	1,740	-	13,101	-	-	-	-	-	-	-	-	18,591
Vegetables, frozen	329	-	-	-	-	-	-	-	-	-	-	-	-	329	-
Vegetables, dried	-	-	-	-	-	2,760	-	-	-	-	-	-	-	-	2,760
Ground cereals and by-products, n.e.s.	-	4,406	-	-	-	-	-	-	-	-	-	-	-	-	4,406
Raw hides and skins and undressed fur skins	-	400	-	-	-	-	-	-	-	-	-	-	-	-	400
Crude vegetable products, inedible, n.e.s.	-	-	-	-	-	420	-	-	-	-	-	-	-	420	-
Pulpwood	-	-	-	-	6,000	2,000	-	-	-	-	-	-	-	6,000	2,000
Ores, concentrates and precipitates, n.e.s.	-	-	-	-	-	-	4,643	-	-	-	-	-	-	4,643	-
Non-ferrous and precious metal scrap	-	-	-	-	-	-	997	-	-	-	-	-	-	997	-
Slags, drosses and other by-products	-	-	-	-	-	26,009	-	-	-	-	-	-	-	-	26,009
Stone, crude, n.e.s.	6,408	-	-	-	-	-	-	-	-	-	-	-	-	6,408	-
Fluorspar	-	-	-	-	-	-	5,713	-	5,827	-	16,088	-	-	27,628	-
Gypsum	4,216	-	-	-	-	-	-	-	-	-	-	-	-	4,216	-
Phosphate rock	-	-	-	-	-	-	15,279	-	-	-	-	-	-	15,279	-
Salt	-	5,026	-	63,690	-	-	-	-	-	-	896	-	-	896	68,716
Sulphur in ores, crude or refined	-	-	-	-	-	-	3,601	-	-	-	-	-	-	3,601	-
Lumber and timber	-	-	-	-	-	-	-	-	-	-	830	-	-	830	-
Pulp	1,550	1,100	-	-	-	5,691	-	-	-	-	-	-	-	1,550	6,791
Newsprint paper	-	2,025	-	45,180	663	19,981	842	-	-	-	-	-	-	1,505	67,186
Paperboard	42	-	3,243	-	760	760	100	-	-	-	-	-	-	4,145	760
Animal oils and fats	-	-	-	-	-	1,400	-	-	-	-	-	-	-	-	1,400
Inorganic chemicals, n.e.s.	-	-	-	-	-	-	9,000	-	-	-	-	-	-	9,000	-
Potash	-	-	-	-	-	-	4,300	-	-	-	-	-	-	4,300	-
Fertilizers and fertilizer materials, n.e.s.	-	-	-	-	-	-	2,900	-	-	-	-	-	-	2,900	-
Gasoline	291,658	61,577	-	-	-	-	-	-	-	-	-	-	-	291,658	61,577
Fuel oil	524,010	32,914	-	-	-	-	-	-	-	-	12,459	-	-	536,469	32,914
Lubricating oils and greases	-	-	-	-	-	-	22,648	-	-	-	-	-	-	22,648	-
Petroleum and coal products, n.e.s.	5,394	2,383	-	-	-	-	-	-	-	-	-	-	-	5,394	2,383
Plate, sheet and strip, steel	-	-	-	-	-	-	2,299	-	-	-	-	-	-	2,299	-
Structural shapes and sheet piling	-	-	-	550	-	2,962	-	-	-	-	-	-	-	-	3,512
Rails and railway track material	1,971	950	-	-	-	-	-	-	-	-	-	-	-	1,971	950
Pipes and tubes, iron and steel	700	250	-	-	-	-	-	-	-	-	-	-	-	700	250
Aluminum	-	-	-	-	-	3,700	-	-	-	-	-	-	-	-	3,700
Metal fabricated basic products	-	100	-	-	-	-	-	-	-	-	-	-	-	-	100
Cement	-	-	-	6,500	-	-	-	-	-	-	-	-	-	-	6,500
Machinery, n.e.s.	760	2,083	-	-	-	-	-	-	-	-	-	-	-	760	2,083
Containers and closures	-	30	-	-	-	-	-	-	-	-	11	-	-	11	30
Miscellaneous end products inedible, n.e.s.	4,910	118	-	4,358	934	10,817	15,543	-	-	-	4,831	-	-	26,218	15,293
Grand totals	844,602	268,333	3,243	126,472	8,777	89,181	87,865	-	5,827	-	35,115	-	-	985,429	483,986

TABLE 4. Number and Tonnage of Vessels, Cargo Tonnage, and Number of Passengers Through Other Canals, by Kind, and by Registry of Vessel

Kind of vessel by canal	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				
Murray:															
Other	Canada	53	1	54	1,641	1,999	37	-	52	1	53	1,155	1,490	30	-
Ottawa River:															
Other	Canada	25	-	25	1,467	3,947	-	-	21	-	21	1,389	3,795	-	-
Richelieu River:															
Cargo	Canada	35	43	78	13,893	20,119	8,534	-	33	43	76	13,594	19,695	4,263	-
Other	Canada	22	-	22	1,388	1,499	-	-	8	-	8	1,624	2,601	-	-
Totals		57	43	100	15,281	21,618	8,534	-	41	43	84	15,218	22,296	4,263	-
Rideau:															
Passenger-Cargo ..	Canada	33	-	33	462	642	-	785	33	-	33	462	642	-	785
Other	Canada	2	-	2	20	24	-	-	-	-	-	-	-	-	-
Totals		35	-	35	482	666	-	785	33	-	33	462	642	-	785
St. Andrew's:															
Passenger-Cargo ..	Canada	70	31	101	16,987	22,299	127	7,912	66	37	103	17,075	22,440	1,137	7,001
Other	Canada	49	2	51	1,028	1,424	11	257	46	3	49	986	1,376	316	295
Totals		119	33	152	18,015	23,723	138	8,169	112	40	152	18,061	23,816	1,453	7,296
St. Peter's:															
Cargo	Canada	3	1	4	220	328	65	-	1	3	4	220	328	320	-
Other	Canada	86	1	87	2,066	3,555	3	-	87	2	89	3,028	6,690	3	-
Other	United States ..	14	-	14	241	289	-	-	13	-	13	305	338	-	-
Totals		103	2	105	2,527	4,172	68	-	101	5	106	3,553	7,356	323	-
Trent:															
Passenger-Cargo ..	Canada	267	-	267	3,718	5,052	-	6,880	267	-	267	3,718	5,052	-	6,880
Other	Canada	-	11	11	12,903	18,953	35	-	-	8	8	9,384	13,784	18	-
Totals		267	11	278	16,621	24,005	35	6,880	267	8	275	13,102	18,836	18	6,880
Grand totals		659	90	749	56,034	80,130	8,812	15,834	627	97	724	52,940	78,231	6,087	14,941

TABLE 5. Number and Tonnage of Vessels Through Other Canals, by Origin and Destination, by Registry of Vessel and by Rig

Origin and destination by canal and direction	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													
Murray:													
Canada to Canada	Canada	-	-	-	49	540	898	5	1,101	1,101	54	1,641	1,999
Ottawa River:													
Canada to Canada	Canada	-	-	-	25	1,467	3,947	-	-	-	25	1,467	3,947
Richelieu River:													
Canada to Canada	Canada	-	-	-	46	5,615	9,816	11	1,250	1,250	57	6,865	11,066
Canada to United States	Canada	-	-	-	43	8,416	10,552	-	-	-	43	8,416	10,552
Totals		-	-	-	89	14,031	20,368	11	1,250	1,250	100	15,281	21,618
Rideau:													
Canada to Canada	Canada	-	-	-	34	472	656	1	10	10	35	482	666
St. Andrew's:													
Canada to Canada	Canada	-	-	-	152	18,015	23,723	-	-	-	152	18,015	23,723
St. Peter's:													
Canada to Canada	Canada	-	-	-	91	2,286	3,883	-	-	-	91	2,286	3,883
Canada to Canada	United States ..	-	-	-	4	72	92	-	-	-	4	72	92
Canada to United States	Canada	-	-	-	4	90	97	-	-	-	4	90	97
United States to Canada	United States ..	-	-	-	6	79	100	-	-	-	6	79	100
Totals		-	-	-	105	2,527	4,172	-	-	-	105	2,527	4,172
Trent:													
Canada to Canada	Canada	-	-	-	278	16,621	24,005	-	-	-	278	16,621	24,005
Totals		-	-	-	732	53,673	77,679	17	2,361	2,361	749	56,034	80,130

TABLE 5. Number and Tonnage of Vessels Through Other Canals, by Origin and Destination, by Registry of Vessel and by Rig - Concluded

Origin and destination by canal and direction	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
Downbound													
Murray:													
Canada to Canada	Canada	-	-	-	50	630	965	3	525	525	53	1,155	1,490
Ottawa River:													
Canada to Canada	Canada	-	-	-	21	1,389	3,795	-	-	-	21	1,389	3,795
Richelieu River:													
Canada to Canada	Canada	-	-	-	39	6,469	11,493	3	526	526	42	6,995	12,019
United States to Canada	Canada	-	-	-	42	8,223	10,277	-	-	-	42	8,223	10,277
Totals		-	-	-	81	14,692	21,770	3	526	526	84	15,218	22,296
Rideau:													
Canada to Canada	Canada	-	-	-	33	462	642	-	-	-	33	462	642
St. Andrew's:													
Canada to Canada	Canada	-	-	-	152	18,061	23,816	-	-	-	152	18,061	23,816
St. Peter's:													
Canada to Canada	Canada	1	55	82	91	3,043	6,786	1	150	150	93	3,248	7,018
Canada to Canada	United States	-	-	-	7	135	150	-	-	-	7	135	150
Canada to United States	United States	-	-	-	6	170	188	-	-	-	6	170	188
Totals		1	55	82	104	3,348	7,124	1	150	150	106	3,553	7,356
Trent:													
Canada to Canada	Canada	-	-	-	275	13,102	18,836	-	-	-	275	13,102	18,836
Totals		1	55	82	716	51,684	76,948	7	1,201	1,201	724	52,940	78,231
Grand totals		1	55	82	1,448	105,357	154,717	24	3,562	3,562	1,473	108,974	158,360

TABLE 6. Cargo Tonnage Through Other Canals, Upbound and Downbound, by Commodity

Commodity	Murray		Ottawa River		Richelieu River		Rideau		St. Andrew's		St. Peter's		Trent		Total	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Live animals, n.e.s.	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2
Fish, fresh, chilled or frozen	-	-	-	-	-	-	-	-	-	-	-	96	-	-	-	96
Fish, smoked, salted, dried or pickled	-	-	-	-	-	-	-	-	-	-	-	225	-	-	-	225
Miscellaneous foods, food materials and food preparations, n.e.s.	-	-	-	-	-	-	-	-	731	65	-	-	-	-	65	731
Ale, beer, stout and porter	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	5
Lumber and timber	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	12
Newsprint paper	-	-	-	-	8,534 ¹	-	-	-	-	-	-	-	-	-	8,534	-
Explosives, fuses and caps	-	-	-	-	-	4,238	-	-	-	-	-	-	-	-	-	4,238
Gasoline	-	-	-	-	-	-	-	-	51	230	-	-	17	9	68	239
Fuel oil	-	-	-	-	-	-	-	-	5	338	-	-	18	9	23	347
Machinery, n.e.s.	37	30	-	-	-	-	-	-	-	-	-	-	-	-	37	30
Passenger automobiles and chassis	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2
Road motor vehicles, n.e.s.	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	3
Ships and boats; aircraft; and miscellaneous vehicles	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-
Equipment	-	-	-	-	-	-	-	-	-	59	-	-	-	-	-	59
Personal and household goods	-	-	-	-	-	-	-	-	-	3	-	-	-	-	3	-
Containers and closures	-	-	-	-	-	25 ²	-	-	77	-	-	-	-	-	77	25
Miscellaneous end products, inedible, n.e.s.	-	-	-	-	-	-	-	-	4	73	-	-	-	-	4	73
Totals	37	30	-	-	8,534	4,263	-	-	138	1,453	68	323	35	18	8,812	6,087
Passengers	-	-	-	-	-	-	785	785	8,169	7,296	-	-	6,880	6,840	15,834	14,921

¹ Tonnage loaded for U.S. ports.

² Tonnage unloaded from U.S. ports.

**APPENDIX A
HISTORICAL SUMMARY, 1961 - 70**

St. Lawrence Seaway Canals

Canal direction and registry of vessel	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
St. Lawrence Canals¹										
Vessel transits:										
Upbound:										
Canada	3,441	2,584	2,436	2,433	2,019	2,532	1,998	1,984	1,842	1,967
United States	366	356	248	335	353	201	310	216	248	246
United Kingdom ²	424	462	343	386	452	316	306	243	278	209
Other foreign	875	886	821	981	1,059	1,101	1,025	994	979	922
Totals	5,106	4,288	3,848	4,135	3,883	4,150	3,639	3,437	3,347	3,344
Downbound:										
Canada	3,442	2,827	2,425	2,543	2,052	2,506	1,978	1,984	1,823	1,978
United States	387	359	262	348	382	222	335	238	270	266
United Kingdom ²	432	462	344	296	464	310	294	237	273	206
Other foreign	890	895	831	1,056	1,087	1,096	1,030	1,001	971	922
Totals	5,151	4,543	3,862	4,243	3,985	4,134	3,637	3,460	3,337	3,372
Grand totals	10,257	8,831	7,710	8,378	7,868	8,284	7,276	6,897	6,684	6,716
Registered net tons:										
Upbound:										
Canada	5,589,350	5,555,742	6,847,459	7,362,725	7,864,293	10,358,083	9,752,621	10,467,984	8,762,387	10,302,408
United States	269,380	494,527	684,956	1,068,076	701,834	706,659	894,583	813,700	202,661	135,797
United Kingdom ²	1,316,171	1,366,560	1,371,721	1,589,815	1,935,090	1,207,785	1,175,924	969,132	1,086,766	847,704
Other foreign	2,593,124	2,814,194	2,652,383	3,402,425	3,900,083	4,416,565	4,056,572	4,525,232	4,584,566	4,377,338
Totals	9,768,025	10,231,023	11,556,519	13,423,041	14,401,300	16,689,092	15,879,700	16,776,048	14,636,389	16,663,245
Downbound:										
Canada	5,508,151	5,637,593	6,803,604	7,378,564	7,853,932	10,327,101	9,706,596	10,486,901	8,791,943	10,307,062
United States	296,551	504,350	689,388	1,061,269	683,814	718,615	928,132	850,977	233,656	187,345
United Kingdom ²	1,330,289	1,363,849	1,372,759	1,601,211	1,975,924	1,177,971	1,144,873	949,004	1,071,518	840,871
Other foreign	2,630,189	2,851,098	2,716,127	3,372,502	3,977,753	4,418,308	4,110,873	4,548,718	4,554,648	4,379,700
Totals	9,765,180	10,356,890	11,581,878	13,413,546	14,491,423	16,641,995	15,890,474	16,835,600	14,651,765	15,684,878
Grand totals	19,533,205	20,587,913	23,138,397	26,836,587	28,892,723	33,331,087	31,770,174	33,611,648	29,288,145	31,348,113
Cargo tons:										
Upbound:										
Canada	5,585,557	7,006,988	8,398,216	12,097,966	13,439,212	18,110,438	18,567,081	20,394,228	15,398,243	18,824,140
United States	189,285	441,045	1,304,277	2,261,505	1,316,474	1,415,585	1,810,482	1,823,701	174,338	110,413
United Kingdom ²	1,139,442	1,459,496	1,582,221	1,620,333	2,655,758	1,246,647	1,282,241	1,277,984	1,478,371	1,210,570
Other foreign	1,333,953	2,041,140	2,374,369	2,636,322	4,763,283	4,925,371	5,046,145	6,910,190	5,413,957	5,102,149
Totals	8,248,237	10,948,669	13,659,083	18,616,126	22,174,727	25,698,041	26,705,949	30,406,103	22,464,909	25,247,272
Downbound:										
Canada	8,801,205	7,690,684	10,697,139	11,637,726	11,365,651	15,195,168	9,672,687	10,062,513	10,455,272	17,501,096
United States	337,203	518,187	649,302	1,082,419	663,229	378,016	206,321	242,005	121,812	129,196
United Kingdom ²	1,935,888	2,036,230	1,998,712	2,688,569	3,162,276	1,597,412	1,405,990	1,111,421	1,349,470	1,361,316
Other foreign	4,350,292	4,554,051	4,160,096	5,415,333	6,012,780	6,711,408	6,010,571	6,123,859	6,675,903	6,957,706
Totals	15,424,588	14,799,152	17,505,249	20,824,047	21,203,936	23,882,004	17,295,569	17,539,798	18,602,457	25,949,314
Grand totals	23,672,825	25,747,821	31,164,332	39,440,173	43,378,663	49,580,045	44,001,518	47,945,901	41,067,366	51,196,586
Season of navigation:										
First vessel passage	April 11	April 23	April 15	April 8	April 8	April 1	April 1	April 8	April 7	April 1
Last vessel passage	Nov. 30	Dec. 7	Dec. 13	Dec. 7	Dec. 17	Dec. 15	Dec. 15	Dec. 14	Dec. 10	Dec. 18

See footnotes on page 86.

Historical Summary, 1961-70 - Continued
St. Lawrence Seaway Canals - Continued

Canal direction and registry of vessel	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Welland Canal										
Vessel transits:										
Upbound:										
Canada	2,356	2,114	2,192	2,156	2,156	2,608	2,082	2,086	2,098	2,327
United States	508	639	574	443	356	338	414	341	233	204
United Kingdom ²	440	477	454	635	702	399	342	324	285	265
Other foreign	800	805	735	893	923	968	857	863	819	796
Totals	4,104	4,035	3,955	4,127	4,137	4,313	3,695	3,614	3,435	3,592
Downbound:										
Canada	2,296	2,048	2,180	2,170	2,154	2,616	2,080	2,088	2,101	2,328
United States	543	651	539	426	384	386	465	373	264	218
United Kingdom ²	443	473	440	659	708	402	332	319	288	265
Other foreign	819	829	756	895	969	977	883	879	825	797
Totals	4,101	4,001	3,915	4,150	4,215	4,381	3,760	3,659	3,478	3,608
Grand totals	8,205	8,036	7,870	8,277	8,352	8,694	7,455	7,273	6,913	7,200
Registered net tons:										
Upbound:										
Canada	9,016,598	8,869,606	10,793,493	10,869,281	11,441,013	14,420,038	13,262,975	14,476,700	14,937,773	17,416,339
United States	773,615	1,302,764	1,160,545	1,517,840	1,063,005	1,074,961	1,355,213	1,182,983	505,557	428,705
United Kingdom ²	1,763,584	1,961,284	2,082,066	3,021,952	3,331,018	1,891,424	1,542,691	1,507,108	1,293,573	1,234,906
Other foreign	2,287,643	2,540,868	2,311,179	3,074,160	3,332,924	3,873,761	3,353,288	4,040,041	3,953,579	3,905,615
Totals	13,841,440	14,674,522	16,347,283	18,483,233	19,167,960	21,260,184	19,514,167	21,206,832	20,690,482	22,985,565
Downbound:										
Canada	8,818,938	8,701,833	10,703,814	10,947,524	11,453,418	14,505,049	13,283,237	14,580,706	14,941,616	17,408,136
United States	821,354	1,271,856	1,147,719	1,501,444	1,056,849	1,137,791	1,448,104	1,246,396	557,607	457,930
United Kingdom ²	1,702,171	1,920,027	1,994,464	3,104,124	3,357,667	1,910,368	1,516,913	1,486,479	1,302,082	1,228,666
Other foreign	2,375,972	2,614,527	2,431,798	3,104,733	3,511,601	3,945,402	3,481,882	4,093,468	3,977,322	3,906,460
Totals	13,718,435	14,508,243	16,277,795	18,657,825	19,379,535	21,498,610	19,730,136	21,407,049	20,778,627	23,001,192
Grand totals	27,559,875	29,182,765	32,625,078	37,141,058	38,547,495	42,758,794	39,244,303	42,613,881	41,469,109	45,986,757
Cargo tons:										
Upbound:										
Canada	5,098,397	7,075,866	8,292,042	11,959,424	12,178,658	15,866,025	15,102,150	16,542,516	12,902,128	15,237,652
United States	539,217	1,079,748	1,640,628	2,533,381	1,560,205	1,633,996	2,238,660	2,119,020	380,289	258,818
United Kingdom ²	1,126,378	1,437,571	1,628,626	2,266,853	2,913,717	1,322,503	1,432,427	1,782,402	1,869,071	1,554,692
Other foreign	880,660	1,323,185	1,617,205	1,795,342	3,321,546	3,622,298	3,598,939	5,780,249	4,210,047	4,109,875
Totals	7,644,652	10,916,370	13,178,501	18,555,000	19,974,126	22,444,822	22,372,176	26,224,187	19,361,535	21,161,037
Downbound:										
Canada	15,936,884	15,511,826	19,634,956	20,415,231	20,427,764	26,069,096	21,427,390	22,956,372	25,473,053	32,520,646
United States	1,261,462	1,767,181	1,462,156	1,974,622	1,442,889	1,118,890	1,101,226	848,102	675,557	699,224
United Kingdom ²	2,579,610	3,099,075	3,338,079	5,434,501	5,840,045	3,027,255	2,288,185	2,264,712	1,778,658	2,096,795
Other foreign	3,981,762	4,216,157	3,711,837	5,037,028	5,751,772	6,477,252	5,661,477	5,811,421	6,284,497	6,487,808
Totals	23,759,718	24,594,239	28,147,028	32,861,382	33,462,470	36,692,493	30,478,278	31,880,607	34,211,765	41,804,473
Grand totals	31,404,370	35,510,609	41,325,529	51,416,382	53,436,596	59,137,315	52,850,454	58,104,794	53,573,300	62,965,510
Season of navigation:										
First vessel passage	April 1	April 1	April 7	March 30	April 1	April 4	April 1	April 1	April 1	April 1
Last vessel passage	Dec. 15	Dec. 15	Dec. 18	Dec. 15	Dec. 16	Dec. 15	Dec. 16	Dec. 22	Dec. 22	Dec. 31

See footnote on page 86

Historical Summary, 1961-70 - Continued
St. Lawrence Seaway Canals - Concluded

Canal direction and registry of vessel	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Sault Ste. Marie Canal										
Vessel transits:										
Upbound:										
Canada	1, 150	899	877	938	1, 140	916	693	626	753	725
United States	121	137	111	88	134	117	95	69	101	90
United Kingdom ²	50	8	6	9	42	4	6	3	2	-
Other foreign	31	31	5	6	22	13	17	11	8	5
Totals	1, 352	1, 075	999	1, 041	1, 338	1, 050	811	709	864	820
Downbound:										
Canada	882	782	844	769	972	1, 113	1, 003	888	1, 037	966
United States	1, 215	1, 272	1, 206	1, 242	1, 162	1, 256	1, 219	1, 022	1, 332	1, 312
United Kingdom ²	18	11	1	7	4	-	-	1	-	-
Other foreign	6	10	-	3	8	1	2	3	6	1
Totals	2, 121	2, 075	2, 051	2, 021	2, 146	2, 370	2, 224	1, 914	2, 375	2, 279
Grand totals	3, 473	3, 150	3, 050	3, 062	3, 484	3, 420	3, 035	2, 623	3, 239	3, 099
Registered net tons:										
Upbound:										
Canada	1, 733, 304	1, 169, 023	992, 176	1, 455, 474	1, 777, 410	1, 811, 176	1, 351, 594	1, 001, 285	1, 311, 599	1, 421, 353
United States	156, 698	177, 559	96, 768	72, 521	226, 218	125, 593	84, 337	45, 477	73, 638	39, 798
United Kingdom ²	140, 819	23, 182	20, 357	47, 397	183, 778	11, 559	15, 097	7, 942	4, 916	-
Other foreign	87, 769	69, 455	12, 370	8, 897	56, 248	29, 120	26, 284	17, 778	13, 039	8, 731
Totals	2, 118, 590	1, 439, 219	1, 121, 671	1, 584, 289	2, 243, 654	1, 977, 448	1, 477, 312	1, 072, 482	1, 403, 192	1, 469, 871
Downbound:										
Canada	890, 089	884, 201	878, 812	915, 561	1, 290, 188	1, 237, 690	948, 314	777, 477	956, 846	995, 433
United States	184, 050	271, 052	200, 712	230, 046	223, 411	202, 873	211, 216	129, 402	139, 417	114, 312
United Kingdom ²	17, 125	10, 517	4, 584	37, 853	16, 456	-	-	2, 456	-	-
Other foreign	10, 363	14, 556	-	3, 098	11, 213	1, 465	3, 246	3, 448	9, 688	3, 311
Totals	1, 101, 627	1, 180, 326	1, 084, 108	1, 186, 558	1, 541, 268	1, 442, 028	1, 162, 776	912, 783	1, 105, 951	1, 113, 056
Grand totals	3, 220, 217	2, 619, 545	2, 205, 779	2, 770, 847	3, 784, 922	3, 419, 476	2, 640, 088	1, 985, 265	2, 509, 143	2, 582, 928
Cargo tons:										
Upbound:										
Canada	429, 458	320, 135	182, 517	344, 038	481, 192	490, 574	377, 795	465, 101	612, 162	596, 623
United States	25, 774	28, 355	18, 068	44, 517	44, 262	40, 981	51, 542	23, 499	46, 941	29, 817
United Kingdom ²	9, 981	3, 858	129	-	5, 409	-	-	-	-	-
Other foreign	2, 561	4, 884	-	2, 019	12, 409	4, 115	543	2, 026	653	-
Totals	467, 774	357, 232	200, 714	390, 574	543, 272	535, 670	429, 880	490, 626	659, 756	626, 440
Downbound:										
Canada	655, 884	722, 488	589, 883	530, 951	840, 059	714, 523	527, 674	493, 151	686, 907	675, 827
United States	4, 810	15, 155	19, 408	42, 711	4, 518	28, 674	14, 780	43, 338	78, 715	49, 749
United Kingdom ²	9, 495	-	-	-	2, 923	-	-	652	-	-
Other foreign	2, 987	12, 254	-	2, 401	16, 137	849	-	1, 574	2, 463	-
Totals	673, 176	749, 897	609, 291	576, 063	863, 637	744, 046	542, 454	538, 715	768, 085	725, 576
Grand totals	1, 140, 950	1, 107, 129	810, 005	966, 637	1, 406, 909	1, 279, 716	972, 334	1, 029, 341	1, 427, 841	1, 352, 016
Season of navigation:										
First vessel passage	April 11	April 3	April 4	April 13	April 1	April 1	April 8	April 6	April 12	April 4
Last vessel passage	Dec. 12	Dec. 12	Nov. 30	Dec. 12	Dec. 12	Dec. 15	Dec. 12	Dec. 15	Dec. 15	Nov. 29

See footnotes on page 86.

Historical summary, 1961 - 70 - Continued
Other Canadian Canals

Canal direction and registry of vessel	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Canso Canal										
Vessel transit:										
Up.....	589	574	518	672	629	639	557	585	700	635
Down.....	591	565	562	695	829	703	614	636	787	711
Totals.....	1,180	1,139	1,080	1,367	1,458	1,342	1,171	1,221	1,487	1,346
Registered net tons:										
Up.....	346,282	488,870	543,376	580,851	461,800	485,143	435,474	457,004	548,064	609,939
Down.....	352,542	485,477	557,696	657,035	627,246	588,582	470,829	559,038	661,235	771,293
Totals.....	698,824	974,347	1,101,072	1,237,886	1,089,046	1,073,725	906,303	1,016,042	1,209,299	1,381,232
Cargo tons:										
Up.....	495,540	747,530	744,342	865,158	708,352	793,653	656,954	814,488	875,460	985,429
Down.....	206,857	363,112	460,194	480,124	374,053	365,672	259,889	355,054	390,678	483,986
Totals.....	702,397	1,110,642	1,204,536	1,345,282	1,082,405	1,159,325	916,843	1,169,542	1,266,138	1,469,415
Season of navigation:										
First vessel passage.....	May 12	April 16	April 17	April 13	April 20	April 1	May 5	April 7	April 1	April 10
Last vessel passage.....	Dec. 31	Feb. 9/63	Dec. 27	Dec. 30	Dec. 31	Dec. 31	Dec. 12	Dec. 31	Dec. 31	Dec. 31
Murray Canal										
Vessel transits:										
Up.....	98	96	60	34	40	41	136	65	48	54
Down.....	107	85	68	33	42	41	141	63	49	53
Totals.....	205	181	128	67	82	82	277	128	97	107
Registered net tons:										
Up.....	8,407	7,031	2,169	978	1,277	1,174	1,538	1,121	638	1,641
Down.....	4,452	5,464	2,134	651	1,818	738	1,574	1,431	627	1,155
Totals.....	12,859	12,495	4,303	1,629	3,095	1,912	3,112	2,552	1,265	2,796
Cargo tons:										
Up.....	500	350	-	-	-	-	-	-	-	37
Down.....	322	-	-	-	-	-	-	-	-	30
Totals.....	822	350	-	-	-	-	-	-	-	67
Season of navigation:										
First vessel passage.....	May 1	April 12	April 18	May 13	April 20	May 1	April 4	May 18	April 29	May 1
Last vessel passage.....	Nov. 29	Nov. 24	Nov. 30	Nov. 27	Nov. 12	Nov. 26	Oct. 21	Nov. 23	Oct. 13	Sept. 28
Ottawa River Canals										
Vessel transits:										
Up.....	489	18	197	170	34	40	31	32	39	25
Down.....	486	18	186	171	46	39	35	32	35	21
Totals.....	975	36	383	341	80	79	66	64	74	46
Registered net tons:										
Up.....	120,679	2,576	15,720	10,642	1,906	2,313	2,189	2,662	4,643	1,467
Down.....	119,644	2,637	13,054	12,368	3,404	2,237	2,156	2,768	3,291	1,389
Totals.....	240,323	5,213	28,774	23,010	5,310	4,550	4,345	5,430	7,934	2,856
Cargo tons:										
Up.....	777	150	7,055	11,016	239	483	73	12	671	-
Down.....	196,200	150	976	1,665	510	6	-	-	25	-
Totals.....	196,977	300	8,031	12,681	749	489	73	12	696	-
Season of navigation:										
First vessel passage.....	April 24	April 15	April 24	April 30	May 3	May 12	April 21	April 22	April 22	May 11
Last vessel passage.....	Nov. 10	Nov. 16	Dec. 1	Nov. 17	Oct. 12	Oct. 26	Oct. 24	Nov. 21	Nov. 22	Nov. 27
Richelieu River Canals										
Vessel transits:										
Up.....	370	359	387	325	313	156	163	143	127	100
Down.....	361	353	369	329	314	158	163	145	125	84
Totals.....	731	712	756	654	627	314	326	288	252	184
Registered net tons:										
Up.....	56,038	52,684	51,181	60,069	58,006	28,590	28,119	22,947	20,589	15,281
Down.....	53,867	51,964	49,865	60,370	58,310	28,978	29,365	23,018	20,371	15,218
Totals.....	109,905	104,648	101,046	120,439	116,316	57,568	57,484	45,965	40,960	30,499
Cargo tons:										
Up.....	80,822	80,925	62,212	85,746	82,951	24,476	25,653	16,879	15,560	8,534
Down.....	13,707	7,222	6,332	6,392	4,790	4,173	4,233	3,733	3,222	4,263
Totals.....	94,529	88,147	68,544	92,138	87,741	28,649	29,886	20,612	18,782	12,797
Season of navigation:										
First vessel passage.....	April 20	April 20	April 20	April 14	April 20	April 19	May 15	April 22	April 22	April 21
Last vessel passage.....	Dec. 2	Nov. 29	Dec. 1	Nov. 29	Nov. 29	Nov. 10	Nov. 21	Nov. 29	Nov. 30	Nov. 27

Historical Summary, 1961 - 70 - Concluded
Other Canadian Canals - Concluded

Canal direction and registry of vessel	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Rideau River Canals										
Vessel transits:										
Up	35	38	38	10	13	16	3	14	4	35
Down	72	27	31	9	15	17	16	5	4	33
Totals	107	65	69	19	28	33	19	19	8	68
Registered net tons:										
Up	1,136	1,335	1,170	257	373	1,132	59	373	224	482
Down	1,740	973	1,528	343	355	1,158	163	139	188	462
Totals	2,876	2,308	2,698	600	728	2,290	222	512	412	944
Cargo tons:										
Up	-	-	-	-	-	434	-	-	-	-
Down	-	-	-	-	-	-	-	-	-	-
Totals	-	-	-	-	-	434	-	-	-	-
Season of navigation:										
First vessel passage	May 11	May 7	May 13	May 28	May 15	May 22	May 15	May 17	May 21	May 19
Last vessel passage	Nov. 4	Oct. 31	Oct. 18	Sept. 6	Oct. 6	Oct. 15	Aug. 8	Oct. 17	Oct. 17	Oct. 17
St. Andrew's Canal										
Vessel transits:										
Up	158	101	190	169	133	138	123	162	138	152
Down	167	101	191	164	129	138	122	164	138	152
Totals	325	202	381	333	262	276	245	326	276	304
Registered net tons:										
Up	10,581	5,525	8,681	7,392	4,962	4,627	6,315	13,778	20,382	18,015
Down	11,188	5,564	8,716	7,289	4,949	4,639	6,293	13,816	20,372	18,061
Totals	21,769	11,089	17,397	14,681	9,911	9,266	12,608	27,594	40,754	36,076
Cargo tons:										
Up	6,783	797	1,429	1,113	571	626	688	742	592	128
Down	1,503	1,494	2,385	1,894	1,053	1,005	992	2,273	1,473	1,453
Totals	8,286	2,291	3,814	3,007	1,624	1,631	1,680	3,015	2,065	1,581
Season of navigation:										
First vessel passage	May 21	July 11	May 20	May 29	June 24	June 24	May 12	May 1	May 16	May 12
Last vessel passage	Oct. 27	Nov. 3	Nov. 3	Nov. 2	Oct. 31	Oct. 31	Nov. 1	Nov. 3	Nov. 3	Nov. 3
St. Peter's Canal										
Vessel transit:										
Up	273	238	185	188	163	153	135	125	155	105
Down	274	217	168	198	166	150	115	101	140	106
Totals	547	455	353	386	329	303	250	226	295	211
Registered net tons:										
Up	4,938	5,208	7,474	5,012	3,033	5,755	3,110	3,099	3,952	2,527
Down	5,745	4,949	4,423	3,926	3,115	3,352	4,015	2,964	4,284	3,553
Totals	10,683	10,157	11,897	8,938	6,148	9,107	7,125	6,063	8,236	6,080
Cargo tons:										
Up	861	271	214	142	344	325	280	34	480	68
Down	605	660	360	339	207	277	459	24	474	323
Totals	1,466	931	574	481	551	602	739	58	954	391
Season of navigation:										
First vessel passage	April 27	April 4	May 1	April 25	April 30	April 1	April 4	April 10	April 3	April 17
Last vessel passage	Dec. 16	Dec. 5	Dec. 12	Dec. 16	Dec. 21	Dec. 23	Dec. 16	Sept. 24	Dec. 20	Dec. 21
Trent Canal										
Vessel transits:										
Up	15	13	14	133	122	587	463	649	191	278
Down	22	16	17	138	131	610	463	664	194	275
Totals	37	29	31	271	253	1,197	926	1,313	385	553
Registered net tons:										
Up	178	143	163	1,744	477	2,689	14,405	24,209	14,255	16,621
Down	258	177	259	577	507	2,826	16,588	26,589	17,774	13,102
Totals	436	320	422	2,321	984	5,515	30,993	50,798	32,029	29,723
Cargo tons:										
Up	19	13	13	26	10	19	16	32	22	35
Down	55	58	49	38	4	87	31	63	40	18
Totals	74	71	62	64	14	106	47	95	62	53
Season of navigation:										
First vessel passage	May 17	May 15	May 18	May 19	May 30	May 25	May 19	April 8	June 2	June 1
Last vessel passage	Oct. 9	Oct. 11	Oct. 7	Sept. 18	Oct. 15	Oct. 15	Oct. 13	Oct. 31	Oct. 13	Sept. 29

¹ Includes traffic through the Lachine and Cornwall Canals.
² Includes other British Commonwealth.

APPENDIX B

Freight Charges on the Great Lakes for Wheat, 1970 and 1969

	1970			1969		
	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	8.47	2.82	0.230	8.00	2.66	0.217
May	8.50	2.83	0.230	8.00	2.66	0.217
June	8.50	2.83	0.230	8.00	2.66	0.217
July	8.50	2.83	0.230	8.01	2.67	0.217
August	9.50	3.16	0.257	8.01	2.67	0.217
September	9.60	3.20	0.261	8.00	2.66	0.217
October	9.52	3.17	0.258	8.00	2.66	0.217
November	9.60	3.20	0.261	8.00	2.66	0.217
December	11.13	3.71	0.302	8.00	2.66	0.217
Averages	8.99	2.99	0.243	8.00	2.66	0.217
Winter storage	13.75	4.58	0.373	12.13	4.04	0.329
Goderich and Georgian Bay ports:						
April	4.66	1.55	0.288	4.54	1.51	0.281
May	4.65	1.55	0.288	4.55	1.52	0.283
June	4.61	1.54	0.286	4.57	1.52	0.283
July	4.58	1.53	0.284	4.53	1.51	0.281
August	4.60	1.53	0.284	4.56	1.52	0.283
September	4.95	1.65	0.307	4.78	1.59	0.296
October	4.66	1.55	0.288	4.77	1.59	0.296
November	5.09	1.69	0.314	4.64	1.55	0.288
December	5.25	1.75	0.325	5.51	1.83	0.340
Averages	4.69	1.56	0.290	4.66	1.55	0.288
Winter storage	8.90	2.96	0.550	8.73	2.91	0.540
Port Colborne:						
April	6.07	2.02	0.238	5.50	1.83	0.216
May	6.30	2.10	0.248	5.63	1.87	0.221
June	6.66	2.22	0.262	5.62	1.87	0.221
July	6.32	2.10	0.248	5.58	1.86	0.219
August	5.78	1.92	0.226	5.50	1.83	0.216
September	6.00	2.00	0.236	5.67	1.89	0.223
October	6.13	2.04	0.241	5.50	1.83	0.216
November	6.14	2.04	0.241	6.14	2.04	0.240
December	7.25	2.41	0.284	6.51	2.17	0.256
Averages	6.23	2.07	0.244	5.76	1.92	0.226
Winter storage	10.50	3.50	0.413	9.98	3.32	0.392
Buffalo:						
April	-	-	-	-	-	-
May	-	-	-	-	-	-
June	-	-	-	-	-	-
July	-	-	-	-	-	-
August	-	-	-	-	-	-
September	-	-	-	-	-	-
October	-	-	-	8.50	2.83	0.328
November	-	-	-	-	-	-
December	-	-	-	-	-	-
Averages	-	-	-	8.50	2.83	0.328
Winter storage	-	-	-	-	-	-
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.

Freight Charges on the Great Lakes for Barley and Oats, 1970

	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	6.83	2.85	0.232	5.48	3.22	0.262
May	7.38	3.08	0.251	5.63	3.31	0.269
June	7.34	3.06	0.249	5.36	3.15	0.256
July	7.52	3.14	0.256	6.08	3.57	0.291
August	8.50	3.54	0.288	7.50	4.41	0.359
September	8.47	3.53	0.287	6.14	3.61	0.294
October	8.44	3.52	0.287	7.14	4.20	0.342
November	8.64	3.60	0.293	8.60	5.06	0.412
December	9.37	3.91	0.318	-	-	-
Averages	8.02	3.34	0.272	6.64	3.90	0.318
Goderich and Georgian Bay ports:						
April	5.25	2.19	0.407	4.86	2.86	0.532
May	5.01	2.09	0.388	4.75	2.79	0.519
June	5.05	2.11	0.392	4.70	2.76	0.513
July	4.85	2.02	0.375	4.75	2.79	0.519
August	5.27	2.20	0.409	4.84	2.85	0.530
September	5.03	2.10	0.390	5.50	3.23	0.600
October	5.20	2.17	0.403	4.58	2.69	0.500
November	5.33	2.22	0.413	4.76	2.80	0.520
December	5.00	2.08	0.387	5.00	2.94	0.546
Averages	5.11	2.13	0.396	4.80	2.82	0.524
Port Colborne:						
April	6.25	2.61	0.308	6.00	3.53	0.446
May	-	-	-	-	-	-
June	6.75	2.81	0.331	6.50	3.82	0.450
July	-	-	-	-	-	-
August	-	-	-	-	-	-
September	-	-	-	-	-	-
October	6.75	2.81	0.331	-	-	-
November	6.75	2.81	0.331	6.50	3.82	0.450
December	-	-	-	-	-	-
Averages	6.63	2.76	0.325	6.27	3.69	0.435
Buffalo:						
April	-	-	-	-	-	-
May	9.00	3.75	0.435	9.00	5.29	0.614
June	-	-	-	-	-	-
July	-	-	-	-	-	-
August	-	-	-	-	-	-
September	11.00	4.59	0.532	11.00	6.47	0.751
October	-	-	-	-	-	-
November	-	-	-	-	-	-
December	-	-	-	-	-	-
Averages	9.93	4.14	0.480	9.93	5.84	0.677
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.

Freight Charges on the Great Lakes for Flax and Rye, 1970

	Flax			Rye		
	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	9.00	3.21	0.261	8.50	3.03	0.247
May	-	-	-	-	-	-
June	9.00	3.21	0.261	-	-	-
July	8.50	3.03	0.247	8.50	3.03	0.247
August	-	-	-	-	-	-
September	-	-	-	-	-	-
October	10.00	3.57	0.291	11.00	3.93	0.320
November	11.00	3.93	0.320	10.50	3.75	0.305
December	-	-	-	-	-	-
Averages	9.24	3.30	0.269	9.82	3.51	0.286
Goderich and Georgian Bay ports:						
April	-	-	-	5.50	1.96	0.364
May	-	-	-	6.00	2.14	0.398
June	-	-	-	-	-	-
July	-	-	-	-	-	-
August	-	-	-	-	-	-
September	-	-	-	6.00	2.14	0.398
October	-	-	-	-	-	-
November	-	-	-	-	-	-
December	-	-	-	-	-	-
Averages	-	-	-	5.83	2.08	0.387
Port Colborne:						
April	-	-	-	-	-	-
May	-	-	-	-	-	-
June	-	-	-	-	-	-
July	-	-	-	-	-	-
August	-	-	-	-	-	-
September	-	-	-	-	-	-
October	-	-	-	-	-	-
November	-	-	-	-	-	-
December	-	-	-	-	-	-
Averages	-	-	-	-	-	-
Buffalo:						
April	-	-	-	-	-	-
May	-	-	-	-	-	-
June	-	-	-	-	-	-
July	-	-	-	-	-	-
August	-	-	-	-	-	-
September	-	-	-	-	-	-
October	-	-	-	-	-	-
November	-	-	-	-	-	-
December	-	-	-	-	-	-
Averages	-	-	-	-	-	-
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.

APPENDIX C

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 peroxy salts, of inorganic
acids
Inorganic chemicals, n.e.s.
Glycol
Organic chemicals, n.e.s.
Explosives, fuses and caps
Muriate of potash
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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