

CATALOGUE No.

54-201

ANNUAL

*Shey*



CANADA

# CANAL STATISTICS

1962

DOMINION BUREAU OF STATISTICS





DOMINION BUREAU OF STATISTICS  
Public Finance and Transportation Division  
Transportation Section

## CANAL STATISTICS

1962

*Published by Authority of*  
The Minister of Trade and Commerce

July 1963  
8504-506

Price \$1.00

Reports Published by the  
Public Finance and Transportation Division  
dealing with

**WATER TRANSPORT**

Catalogue number	Title	Price
<b>Annual</b>		
54-201	Canal Statistics .....	\$1.00
54-202	Shipping Report, Part I (International Seaborne Shipping) .....	1.50
54-203	Shipping Report, Part II (International Seaborne Shipping) .....	.75
54-204	Shipping Report, Part III (Coastwise Shipping) .....	1.50
54-206	Shipping Report, Part IV (Origin and Destination for Selected Ports) .....	1.50
54-207	Shipping Report, Part V (Origin and Destination for Selected Commodities) .....	.75
54-205	Water Transportation .....	.50
<b>Monthly</b>		
54-001	Summary of Canal Statistics .....	\$1.00 per year
54-002	Shipping Statistics .....	\$2.00 per year

*Subscription orders should be sent to the Publications Distribution Unit, Financial Control Section, Dominion Bureau of Statistics, Ottawa, Canada, with enclosed remittances made payable to the Receiver General of Canada.*



# TABLE OF CONTENTS

	Page
Source and Treatment of Data .....	7
Review of 1962 Traffic .....	8
Charts - Total Freight Traffic through Canadian Canals, 1940-62 .....	10
Freight Traffic through Welland, St. Lawrence and Sault Ste. Marie Canals, 1940-62 .....	11
Vessel Traffic through Welland, St. Lawrence and Sault Ste. Marie Canals, 1940-62 .....	11

## SECTION I - SUMMARY FOR ALL CANALS

Table	
1. Total Traffic through Canadian Canals 1961 and 1962 .....	14

## SECTION II - ST. LAWRENCE SEAWAY CANALS

### St. Lawrence Canal

2. Location and Description .....	18
3. Historical Summary, 1953-62 .....	18
4. Traffic on the St. Lawrence Section of the Seaway by Kind of Vessel .....	19
5. Traffic on the St. Lawrence Section of the Seaway by Country of Registry of Vessel .....	19
6. Traffic on the St. Lawrence Section of the Seaway by Length of Vessel .....	20
7A. Number and Tonnage of Vessels Upbound on the St. Lawrence Section of the Seaway by Origin and Destination .....	20
7B. Number and Tonnage of Vessels Downbound on the St. Lawrence Section of the Seaway by Origin and Destination .....	21
8. Number and Tonnage of Vessels Using the St. Lawrence Section of the Seaway by Registry and Rig .....	22
9. Number and Tonnage of Vessels Using the St. Lawrence Section of the Seaway by Kind and Length .....	23
10. Number and Tonnage of Vessels Using the St. Lawrence Section of the Seaway by Kind and Draft .....	24
11A. Cargo Tons Carried Upbound on the St. Lawrence Section of the Seaway by Country of Loading and Unloading .....	25
11B. Cargo Tons Carried Downbound on the St. Lawrence Section of the Seaway by Country of Loading and Unloading .....	25
12A. Cargo Tons Carried Upbound on the St. Lawrence Section of the Seaway by Country of Registry of Vessel .....	26
12B. Cargo Tons Carried Downbound on the St. Lawrence Section of the Seaway by Country of Registry of Vessel .....	26
13. Cargo Tons Carried on the St. Lawrence Section of the Seaway by kind, Gross Tonnage and Number of Vessels .....	27
14A. Commodities Carried Upbound on the St. Lawrence Section of the Seaway by Country of Loading and Unloading .....	28
14B. Commodities Carried Downbound on the St. Lawrence Section of the Seaway by Country of Loading and Unloading .....	30

### Welland Canal

15. Location and Description .....	32
16. Historical Summary, 1953-62 .....	32
17. Traffic on the Welland Section of the Seaway by Kind of Vessel .....	33
18. Traffic on the Welland Section of the Seaway by Country of Registry of Vessel .....	33
19. Traffic on the Welland Section of the Seaway by Length of Vessel .....	34
20A. Number and Tonnage of Vessels Upbound on the Welland Section of the Seaway by Origin and Destination .....	34
20B. Number and Tonnage of Vessels Downbound on the Welland Section of the Seaway by Origin and Destination .....	35
21. Number and Tonnage of Vessels Using the Welland Section of the Seaway by Registry and Rig .....	36
22. Number and Tonnage of Vessels Using the Welland Section of the Seaway by Kind and Length .....	37
23. Number and Tonnage of Vessels Using the Welland Section of the Seaway by Kind and Draft .....	38
24A. Cargo Tons Carried Upbound on the Welland Section of the Seaway by Country of Loading and Unloading .....	39
24B. Cargo Tons Carried Downbound on the Welland Section of the Seaway by Country of Loading and Unloading .....	39
25A. Cargo Tons Carried Upbound on the Welland Section of the Seaway by Country of Registry of Vessel .....	40
25B. Cargo Tons Carried Downbound on the Welland Section of the Seaway by Country of Registry of Vessel .....	40
26. Cargo Tons Carried on the Welland Section of the Seaway by Kind, Gross Tonnage and Number of Vessels .....	41
27A. Commodities Carried Upbound on the Welland Section of the Seaway by Country of Loading and Unloading .....	42
27B. Commodities Carried Downbound on the Welland Section of the Seaway by Country of Loading and Unloading .....	44

**TABLE OF CONTENTS—Continued**

Table	Page
<b>Sault Ste. Marie Canal</b>	
28. Location and Description .....	46
29. Historical Summary, 1953-62 .....	46
30. Traffic on the Sault Ste. Marie Section of the Seaway by Kind of Vessel .....	47
31. Traffic on the Sault Ste. Marie Section of the Seaway by Country of Registry of Vessel .....	47
32. Traffic on the Sault Ste. Marie Section of the Seaway by Length of Vessel .....	48
33A. Number and Tonnage of Vessels Upbound on the Sault Ste. Marie Section of the Seaway by Origin and Destination .....	48
33B. Number and Tonnage of Vessels Downbound on the Sault Ste. Marie Section of the Seaway by Origin and Destination .....	49
34. Number and Tonnage of Vessels Using the Sault Ste. Marie Section of the Seaway by Registry and Rig .....	49
35. Number and Tonnage of Vessels Using the Sault Ste. Marie Section of the Seaway by Kind and Length .....	50
36. Number and Tonnage of Vessels Using the Sault Ste. Marie Section of the Seaway by Kind and Draft .....	51
37A. Cargo Tons Carried Upbound on the Sault Ste. Marie Section of the Seaway by Country of Loading and Unloading .....	52
37B. Cargo Tons Carried Downbound on the Sault Ste. Marie Section of the Seaway by Country of Loading and Unloading .....	52
38A. Cargo Tons Carried Upbound on the Sault Ste. Marie Section of the Seaway by Country of Registry of Vessel .....	52
38B. Cargo Tons Carried Downbound on the Sault Ste. Marie Section of the Seaway by Country of Registry of Vessel .....	53
39. Cargo Tons Carried on the Sault Ste. Marie Section of the Seaway by Kind, Gross Tonnage and Number of Vessels .....	53
40A. Commodities Carried Upbound on the Sault Ste. Marie Section of the Seaway by Country of Loading and Unloading .....	54
40B. Commodities Carried Downbound on the Sault Ste. Marie Section of the Seaway by Country of Loading and Unloading .....	54
<b>Lachine and Cornwall Canals</b>	
<b>Lachine</b>	
41. Traffic on the Lachine Canal by Kind and Registry of Vessel .....	55
42. Number and Tonnage of Vessels Using the Lachine Canal by Origin and Destination, Registry and Rig .....	55
43. Commodities and Passengers Carried through the Lachine Canal by Country of Loading and Unloading .....	56
<b>Cornwall</b>	
44. Traffic on the Cornwall Canal by Kind and Registry of Vessel .....	56
45. Number and Tonnage of Vessels Using the Cornwall Canal by Origin and Destination, Registry and Rig .....	57
46. Commodities and Passengers Carried through the Cornwall Canal by Country of Loading and Unloading .....	57
<b>General St. Lawrence Seaway Statistics</b>	
47A. Cargo Tons Carried through the St. Lawrence and/or Welland Canals Loaded and Unloaded at Canadian Ports .....	58
47B. Cargo Tons Carried through the St. Lawrence and/or Welland Canals Loaded and Unloaded at United States Ports .....	58
48. Cargo Tons Carried through the Sault Ste. Marie Canal only, Loaded and Unloaded at Canadian and United States Ports .....	59
49. Traffic through Canadian and United States Sault Ste. Marie Canals .....	59
50. Cargo Tons Carried in Interlake Traffic .....	60
51. Cargoes Carried through St. Lawrence Seaway Canal Networks excluding duplications .....	60
52. Passengers Carried through St. Lawrence Seaway Canals by Origin and Destination of Vessel .....	60
53. Water Freight Charges on the Great Lakes for Wheat, 1962 and 1961 .....	61
54. Water Freight Charges on the Great Lakes for Barley and Oats, 1962 .....	62
55. Water Freight Charges on the Great Lakes for Flax and Rye, 1962 .....	63
<b>SECTION III—OTHER CANADIAN CANALS</b>	
<b>St. Peter's Canal</b>	
56. Location and Description .....	66
57. Historical Summary, 1953-62 .....	66
58. Traffic on the St. Peter's Canal by Kind and Registry of Vessel, 1962 .....	66
59. Number and Tonnage of Vessels Using the St. Peter's Canal by Origin and Destination, Registry and Rig, 1962 .....	67
60. Commodities and Passengers Carried through the St. Peter's Canal by Country of Loading and Unloading, 1962 .....	67



**TABLE OF CONTENTS — Concluded**

Table	Page
<b>Canso Canal</b>	
61. Location and Description .....	67
62. Historical Summary, 1957-62 .....	67
63. Traffic on the Canso Canal by Kind and Registry of Vessel, 1962 .....	68
64. Number and Tonnage of Vessels Using the Canso Canal by Origin and Destination, Registry and Rig, 1962 .....	68
65. Commodities and Passengers Carried through the Canso Canal by Country of Loading and Unloading, 1962 .....	69
<b>Richelieu River Canal</b>	
66. Location and Description .....	69
67. Historical Summary, 1953-62 .....	69
68. Traffic on the Richelieu River Canal by Kind and Registry of Vessel, 1962 .....	70
69. Number and Tonnage of Vessels Using the Richelieu River Canal by Origin and Destination, Registry and Rig, 1962 .....	70
70. Commodities and Passengers Carried through the Richelieu River Canal by Country of Loading and Unloading, 1962 .....	70
<b>Ottawa River Canals</b>	
71. Location and Description .....	71
72. Historical Summary, 1953-62 .....	71
73. Traffic on the Ottawa River Canals by Kind and Registry of Vessel, 1962 .....	71
74. Number and Tonnage of Vessels Using the Ottawa River Canals by Origin and Destination, Registry and Rig, 1962 .....	71
75. Commodities and Passengers Carried through the Ottawa River Canals by Country of Loading and Unloading, 1962 .....	72
<b>Rideau Canal</b>	
76. Location and Description .....	72
77. Historical Summary, 1953-62 .....	72
78. Traffic on the Rideau Canal by Kind and Registry of Vessel, 1962 .....	72
79. Number and Tonnage of Vessels Using the Rideau Canal by Origin and Destination, Registry and Rig, 1962 .....	73
80. Commodities and Passengers Carried through the Rideau Canal by Country of Loading and Unloading, 1962 .....	73
<b>Murray Canal</b>	
81. Location and Description .....	73
82. Historical Summary, 1953-62 .....	73
83. Traffic on the Murray Canal by Kind and Registry of Vessel, 1962 .....	74
84. Number and Tonnage of Vessels Using the Murray Canal by Origin and Destination, Registry and Rig, 1962 .....	74
85. Commodities and Passengers Carried through the Murray Canal by Country of Loading and Unloading, 1962 .....	74
<b>Trent Canal</b>	
86. Location and Description .....	75
87. Historical Summary, 1953-62 .....	75
88. Traffic on the Trent Canal by Kind and Registry of Vessel, 1962 .....	75
89. Number and Tonnage of Vessels Using the Trent Canal by Origin and Destination, Registry and Rig, 1962 .....	75
90. Commodities and Passengers Carried through the Trent Canal by Country of Loading and Unloading, 1962 .....	76
<b>St. Andrew's Canal</b>	
91. Location and Description .....	76
92. Historical Summary, 1953-62 .....	76
93. Traffic on the St. Andrew's Canal by Kind and Registry of Vessel, 1962 .....	76
94. Number and Tonnage of Vessels Using the St. Andrew's Canal by Origin and Destination, Registry and Rig, 1962 .....	77
95. Commodities and Passengers Carried through the St. Andrew's Canal by Country of Loading and Unloading, 1962 .....	77

### SYMBOLS

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

.. figures not available.

... figures not appropriate or not applicable.

- nil or zero.

**Note:** Cargo ton -- 2,000 pounds.



# CANAL STATISTICS

1962

## Source and Treatment of Data

Statistics presented in this report are collected through the co-operation of the St. Lawrence Seaway Authority and, for non-seaway canals, the Department of Transport. For each one way transit of the Seaway or any partial transit involving the St. Lawrence Canals including the Lachine Canal and the Cornwall section, the Welland Canal and Sault Ste. Marie Canal (Canadian lock) vessel operators are required to submit a "Transit Declaration Form" in duplicate to the Seaway Authority. For each non-seaway canal a "Ship's Report" is made in duplicate by the master of the vessel and delivered to the first Canal Officer of each canal used on voyage. The duplicate copy in each case is forwarded to the Dominion Bureau of Statistics. These reports provide full detail of canal traffic, both as to vessel and cargo carried. The Declaration used for Seaway transits makes a division between "Bulk" cargo as defined in the Seaway Traffic and "general" cargo. All domestic freight for both Canada and the United States is given the bulk rate on the Seaway and is, therefore, classified as bulk cargo.

Since the opening of navigation in 1959 tolls have been charged for the use of the St. Lawrence canals, excluding the Lachine and Cornwall canals, and until July 18, 1962, for the Welland Canal. At that date tolls on the Welland Canal were suspended. No toll is charged for the use of the Sault Ste. Marie Canal and vessels use the Canadian and United States locks as convenient. There are five locks at Sault Ste. Marie, one in Canada and four in the United States. Two of the locks on the United States side are 450 feet longer and four are deeper than the Canadian lock and all four are wider. Because of the greater facilities on the United States side of the river a much larger proportion of the traffic uses the United States locks than uses the Canadian lock.

Traffic statistics are complete for each canal. Vessels and cargoes passing through two or more canals from port of loading to port of unloading are included in the statistics for each canal used. A certain percentage of the up-bound traffic through the St. Lawrence Canals uses the Welland and the Sault Ste. Marie canals, mostly on the United States side. Similarly in down-bound traffic some of the vessels using the Sault Ste. Marie Canal also pass through the Welland Canal and the St. Lawrence Canals while a considerable percentage of the traffic using the Welland Canal passes through the St. Lawrence Canals. Practically all the Ottawa River Canal traffic uses the Lachine locks of the St. Lawrence Canals. As a result, the totals for all Canadian canals contain a large amount of duplication.

The directions "Up" and "Down" are according to the direction of the flow of the water except for the Rideau and Trent Canals, which overcome heights of land and consequently use water flowing in opposite directions. For the Rideau Canal the direction from Lake Ontario towards the Ottawa River is classed as "Down", and for the Trent Canal from Lake Huron towards Lake Ontario is classed as "Down". St. Peter's Canal crosses an isthmus and connects St. Peter's Bay with the southerly end of the Bras d'Or Lakes from the northerly end of which access is had to the Atlantic Ocean. The direction from the Bras d'Or Lakes to St. Peter's Bay is classed as "Down". For the Canso Canal the direction through the Strait of Canso from the Gulf of St. Lawrence to the Atlantic Ocean, that is, from George Bay to Port Hastings, is considered as "Down".

The tables appearing in this publication fall into three groups. The first provides information on the total picture of canal traffic in Canada, the second deals with the canals of the St. Lawrence Seaway, while the third provides information on other Canadian canals.

The statistics presented are generally comparable with those of previous canal reports. Vessel traffic through each canal is analysed by kind of vessel, by length, and by country of registry with further cross analyses by kind and length, kind and draft, etc. Cargo transported through the Seaway canals is divided between "bulk" and "general" according to type of cargo and rate charged and is shown by country of loading and unloading and by kind and registry of vessel. A table showing commodities carried by country of loading and unloading is provided for each canal. In-transit freight which is shown as a separate item at the foot of these tables represents freight carried up or down the canal, as the case may be, but not unloaded. For example, a vessel loading at Toronto for the United Kingdom may move to its destination via Detroit. The tonnage loaded at Toronto is thus "in transit" up and down the Welland Canal.

For all Seaway canals, tables are presented for both vessel and cargo data which makes a division between traffic to and from ports within the St. Lawrence-Great Lakes system and traffic to and from ports outside the Gulf of St. Lawrence. A considerable percentage of ocean traffic passing up the St. Lawrence canals in 1962 moved on through the Welland canal (see Tables 7 and 20). It should be noted, however, that Welland traffic to and from outside points includes vessels entering or leaving Lake Ontario via the New York State Barge Canal.



Tables 2-46 deal with the Seaway Canals. Non toll traffic using only the Cornwall or Lachine Canals has been excluded from Tables 4-14 covering the St. Lawrence section of the Seaway. This traffic is included in Table 3, the historical summary of St. Lawrence canals, and in Tables 41-46 which shows all traffic using these two canals.

Seaway statistics of a general nature are furnished in Tables 47-55. Table 47 shows cargo loaded and unloaded at Canadian and United States ports carried through the St. Lawrence and/or Welland canals by port of loading and unloading. Similar data for the Sault Ste. Marie Canal are presented in Table 48.

Table 50, "Cargo tons carried in Interlake Traffic", includes data from United States sources on the amount of traffic passing through the United States locks at Sault Ste. Marie indicating the amount of cargo shipped from Lake Superior to Lake Michigan, Lake Huron and Lake Erie and vice-versa. Data on traffic between Lake Michigan and Lake Huron and between Lake Huron and Lake Erie are not available because there are no canals connecting these lakes.

Table 51 "Cargo Carried through St. Lawrence Canal Networks excluding duplications", compares

with Table 4 of the 1958 report and is an expansion of Table 2 as shown in 1954 and earlier annual reports. However, data on traffic through the United States locks at Sault Ste. Marie are not included so that this table is not entirely comparable with reports prior to 1955. Thus, traffic passing first through the United States Sault Ste. Marie Canal and then finally through the Welland Canal is now considered under Welland Canal only since for reporting and coding purposes the Bureau has no record of such traffic until it enters the Welland Canal. In other words, "canal networks" refers only to Canadian canal systems.

The water freight charges for grain shown in Tables 53, 54 and 55 are weighted averages. They include transportation charges and such trimming and other charges as are absorbed by the vessel operator. Where storage charges were made, they are shown separately. The trimming charges vary at different ports and are also affected by the over-time required to complete the job. Data on freight rates from Fort William-Port Arthur were provided by the Board of Grain Commissioners for Canada.

For each of the non-seaway canals, tables are presented showing location, a ten year traffic summary and analyses of the 1962 traffic. These tables compare with those of previous years.

### Review of 1962 Traffic

The volume of freight shipped through all Canadian canals in 1962 rose 11 per cent to 63,568,291 tons from 57,222,696 in the previous year. This was an increase of almost 25 per cent over the year 1959 in which the St. Lawrence Seaway was opened. Freight traffic through the St. Lawrence canals was up by more than 2 million tons, or almost 9 per cent, to 25,747,821 tons from 23,672,825 in 1961 while freight through the Welland canal increased by 4.1 million tons, or 13 per cent, to 35,510,609 tons from 31,404,370. Traffic through the Canso canal also recorded an increase, up to 1,110,642 tons from 702,397, while all other canals showed decreases. The Canadian canal at Sault Ste. Marie showed little change, down 33,821 tons to 1,107,129 tons from 1,140,950. Traffic using the Richelieu River canal declined to 88,147 tons from 94,529 while freight movement through the Ottawa River canal dropped to 300 tons from 196,977.

Commodities carried in greatest volume were iron ore, wheat, corn and barley, coal and fuel oil which totalled 42,376,793 tons or almost 67 per cent of total canal traffic. Iron ore shipments which constituted some 26 per cent of the total were up 5.5 million tons to 16,288,087 tons from 10,770,618. Wheat shipments dropped to 10,275,429 tons from 13,760,485, down 3,485,056 tons and more than offsetting an increase of 3,374,654 tons in other grains. Coal shipments were up by 582,254 tons to 6,082,192 tons from 5,499,938 and fuel oil rose to 2,619,984 tons from 2,437,684. The movement of soybeans which fell off in 1961 rose by some 616,000 tons to

a new high of 1,978,508. Lesser increases were recorded in structural steel, up to 895,270 tons from 630,660, salt, up to 507,372 tons from 380,949, and chemical products to 855,688 tons from 684,696. The largest decreases were in wheat, as above, and in iron and steel scrap which dropped sharply to 550,992 tons from 2,783,368.

Vessel passages were down by 3,144 to 22,836 from 25,980 in the previous year. The decline was confined to vessels of Canadian registry which dropped 20 per cent to 13,836 from 17,332. The registered net tonnage of Canadian vessels, however, declined only 2.6 per cent to 31,677,612 tons from 32,531,256. Vessels of United States registry increased to 3,524 from 3,307 with registered net tonnage up 61 per cent to 4,045,470 tons from 2,515,262. The number of United Kingdom vessels increased to 1,938 from 1,845 with registered net tonnage up 7.5 per cent to 6,769,909 tons from 6,294,753. Other foreign vessels showed a small rise in number, to 3,538 from 3,496, while their registered net tonnage increased almost 10 per cent to 11,017,809 tons from 10,065,901.

During 1962 Canadian vessels carried 39,288,505 tons or 61.8 per cent of all cargo passing through Canadian canals (65.4 per cent in 1961). Vessels of United States registry carried 3,849,671 tons or 6.0 per cent (4.1) United Kingdom vessels carried 8,181,793 tons or 12.9 per cent (11.9) while other foreign vessels carried 12,248,322 tons or 19.3 per cent (18.6). Since the opening of the Seaway



in 1959 the proportion of cargo carried in United Kingdom and other foreign vessels has increased from 24.0 to 32.2 per cent.

The number of vessel transits to and from points outside the Gulf of St. Lawrence rose to 2,409 from 2,329 in 1961, an increase of 3 per cent. However, the volume of freight carried to and from outside points rose 14 per cent to 8,842,909 tons from 7,756,485. These figures exclude traffic using only the Lachine canal. Vessels of United Kingdom, Norwegian, and German registry made up the largest single groups. Cargo carried up the Seaway from outside points increased 32.4 per cent to 2,445,059 tons from 1,846,641 in 1961 while downbound traffic destined to outside points was up 8.3 per cent to 6,397,850 tons from 5,909,844. Of the total of 8.8 million tons, up and down, vessels of the United Kingdom or other commonwealth countries carried 2,055,936 tons or 23.2 per cent. Vessels of Norwegian registry carried 1,376,306 tons or 15.6 per cent. German vessels carried 1,285,482 tons or 14.5 per cent followed by Greek vessels with 808,115 tons or 9.1 per cent and Liberian vessels with 655,918 tons or 7.4 per cent. Details of this traffic between the St. Lawrence—Great Lakes system and outside points are presented in Tables 7, 11, 12, 20, 24, 25, 33, 37 and 38.

Traffic through the Canadian and United States canals at Sault Ste. Marie is shown in Table 49. Freight transported through the combined system declined to 80,390,362 tons from 81,038,081 in the previous year. This was due almost entirely to a drop of 2.6 million tons in the movement of wheat to 7,576,752 tons from 10,176,804. Other grains recorded minor increases, barley up to 1,533,723 tons from

1,355,993, oats to 786,397 tons from 713,875, corn to 705,699 tons from 579,615, rye to 425,920 from 194,530 with other grain and mill products up to 417,193 tons from 245,047. Shipments of iron ore, which constituted almost 71 per cent of total traffic, increased 2 per cent to 57,018,434 tons from 55,918,874 while bituminous coal rose to 6,626,680 tons from 6,497,236. The number of vessel passages declined to 16,179 from 17,487 and passenger traffic through the combined system dropped to 275,836 from 290,672.

Passenger traffic through all Canadian canals declined to 159,065 from 165,643 in 1961. This was a decrease of 4 per cent following a drop of almost 10 per cent in the previous year. Pleasure craft lockages increased to 149,403 from 142,054.

In 1962 the opening dates of the three major canals were as follows: Sault Ste. Marie Canal, April 3 (April 11 in 1961), Welland Canal, April 1 (April 1) and the St. Lawrence Canal, April 23 (April 11). The Lachine Section opened April 9, fourteen days earlier. The Sault Ste. Marie canal was in operation 254 days in 1962 as against 246 in 1961, the Welland canal operated 261 days, 2 days longer than the previous year, while the St. Lawrence section was in operation 226 days compared with 246. Repair work on the St. Lawrence Section of the Seaway delayed the passage of through traffic by approximately one week and, due to icing conditions, this section closed a few days earlier than in the previous year. The Canso canal opened April 16 and was in operation for 300 days. Among the smaller canals, the St. Peter's, Ottawa River, Rideau, Murray and Trent remained open for a longer period than in 1961.

### Charts

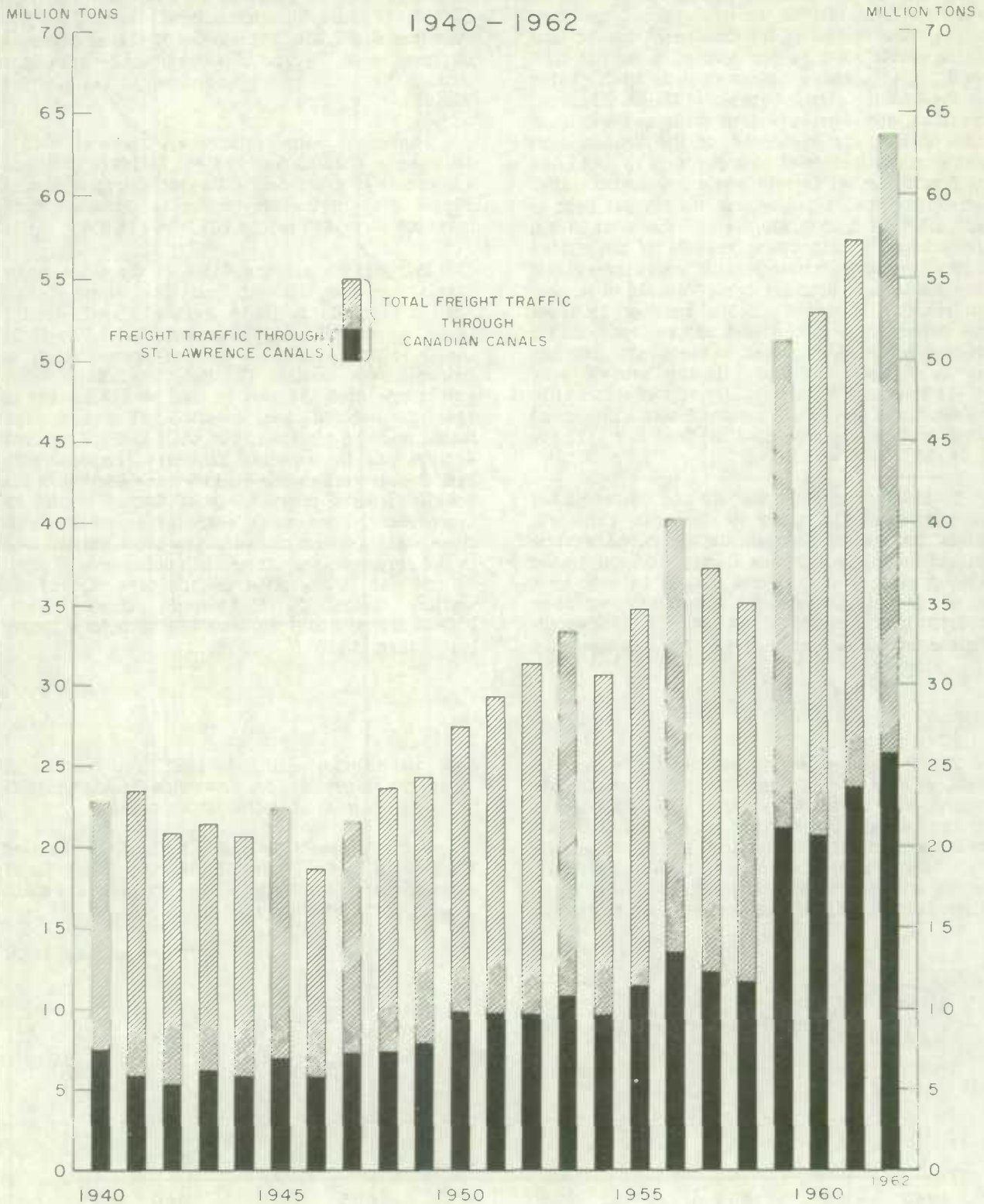
The chart on page 10 presents the volume of freight carried through the St. Lawrence Canals compared with the amount shipped through all canals over the period 1940 to 1962. Total traffic on all canals rose from 22.9 million tons in 1940 to 40 million in 1956. The total dropped in 1958 to 35 million tons but with the opening of the Seaway rose to 51 million in 1959, 53 million in 1960, 57 million in

1961 and to 63.6 million in 1962. The quantity of shipments through the St. Lawrence Canals tends to follow the pattern of traffic for all canals.

The two charts on page 11 show the trend of freight and vessel traffic through the three major canal systems, the Welland, St. Lawrence and Sault Ste. Marie Canals from 1940 to 1962.

May, 1963.

# TOTAL FREIGHT TRAFFIC THROUGH CANADIAN CANALS 1940 - 1962

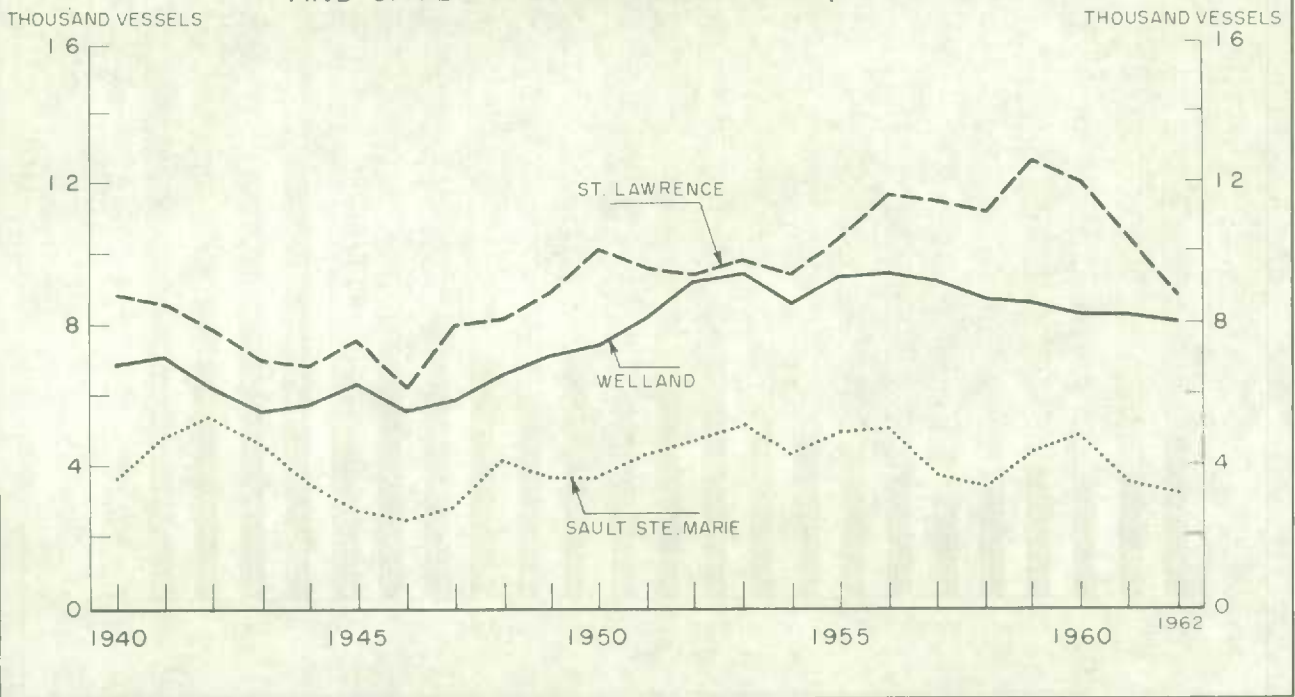


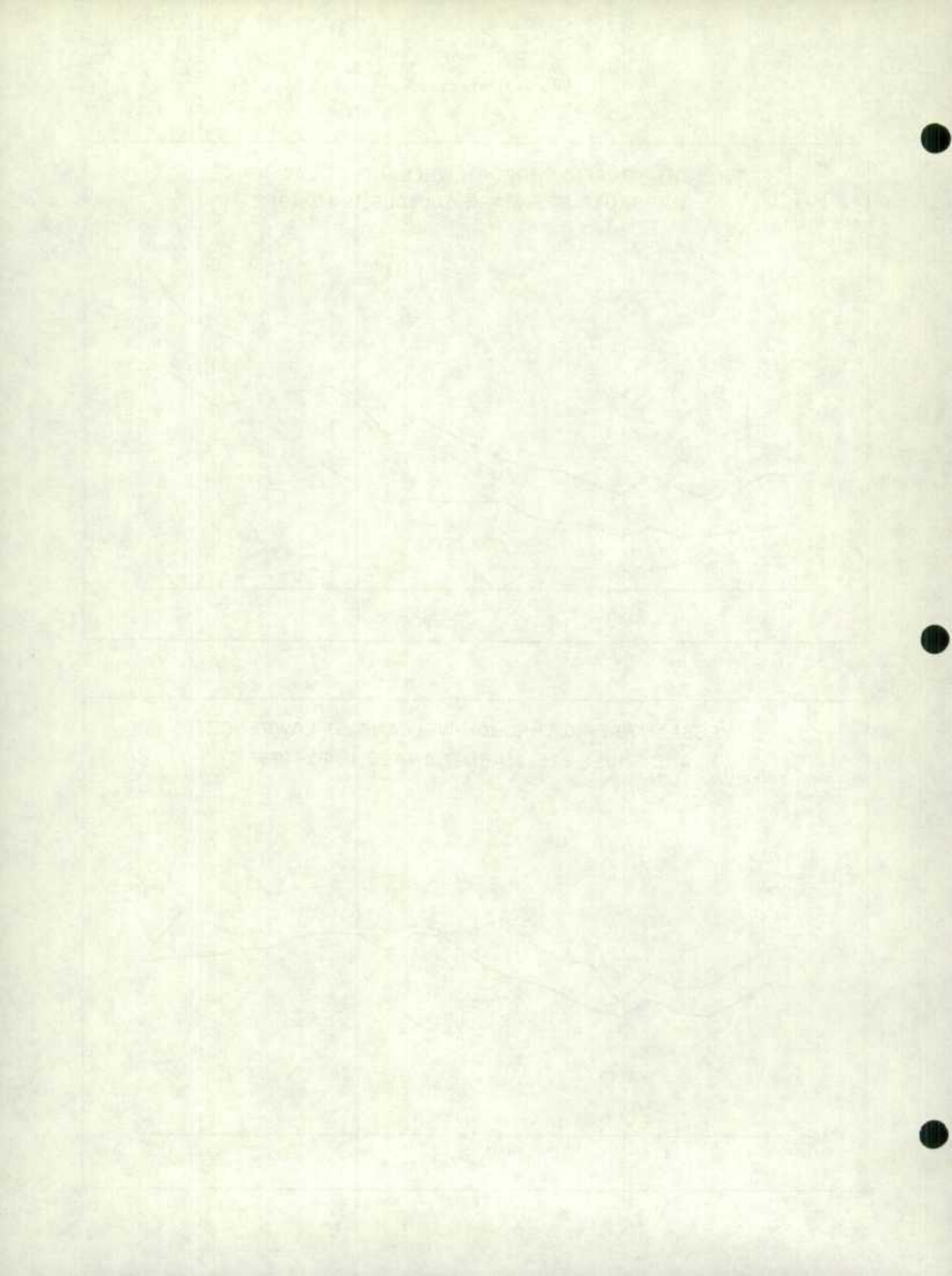


FREIGHT TRAFFIC THROUGH WELLAND, ST. LAWRENCE AND SAULT STE. MARIE CANALS, 1940-1962



VESSEL TRAFFIC THROUGH WELLAND, ST. LAWRENCE AND SAULT STE. MARIE CANALS, 1940-1962





SECTION I  
SUMMARY FOR ALL CANALS



TABLE 1. Total Traffic through Canadian Canals, 1961 and 1962

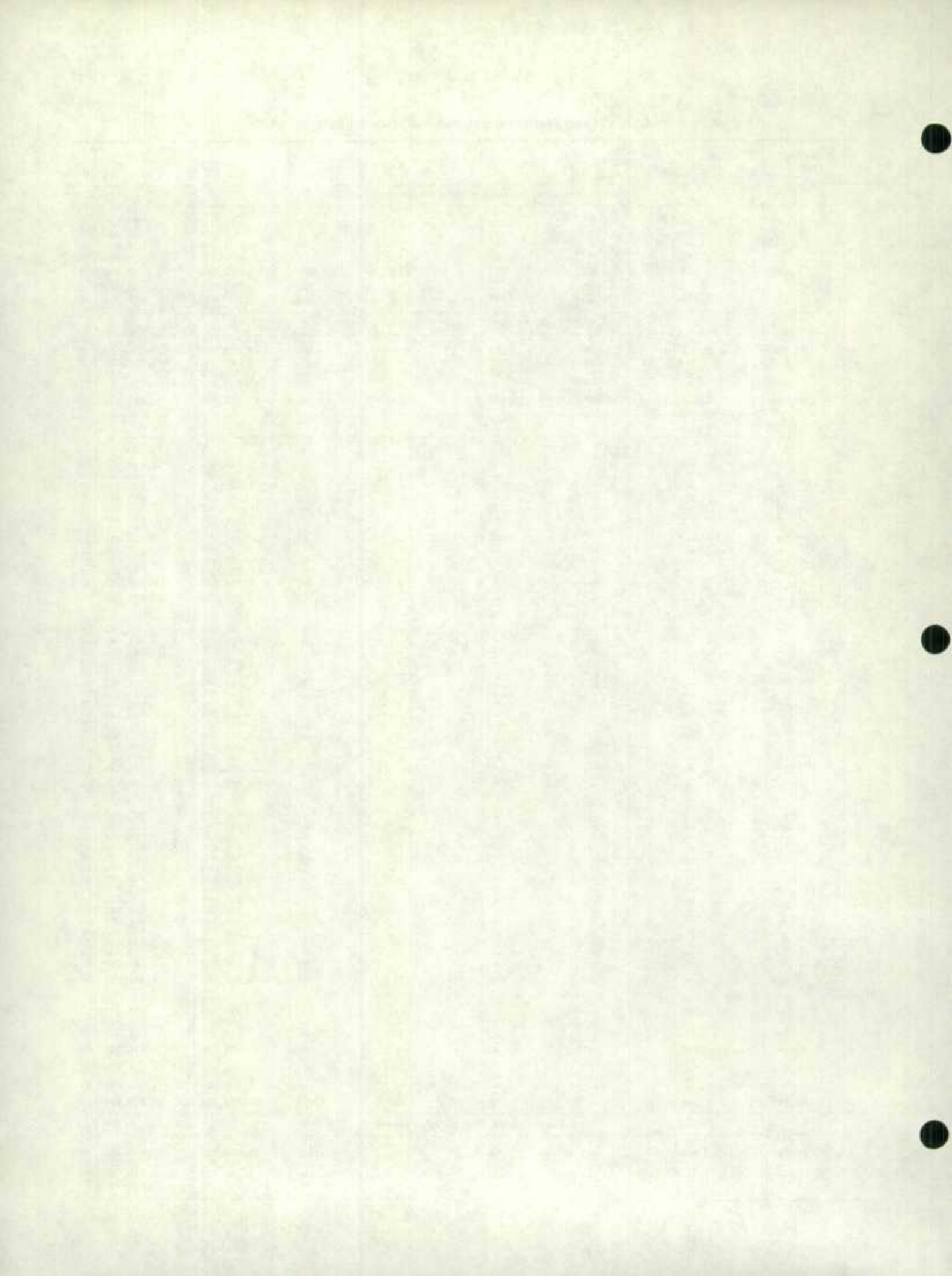
No.	Registry of vessel	St. Lawrence	Welland	Sault Ste. Marie	St. Peter's	Canoe
Number of vessels, passengers and pleasure craft lockages						
1	Canadian vessels .....	5,411	4,162	1,681	433	988
2	United States vessels .....	715	1,290	1,409	22	28
3	United Kingdom vessels <sup>1</sup> .....	924	950	19	—	45
4	Other foreign vessels .....	1,781	1,634	41	—	80
5	<b>Total vessels</b> .....	<b>8,831</b>	<b>8,036</b>	<b>3,150</b>	<b>455</b>	<b>1,139</b>
6	Passengers .....	6,524	3,819	146,208	35	17
7	Pleasure craft lockages .....	1,382	430	560	48	387
Registered net tonnage of vessels						
8	Canadian vessels .....	11,193,335	17,571,439	2,053,224	9,628	715,312
9	United States vessels .....	998,877	2,574,620	448,611	529	21,500
10	United Kingdom vessels <sup>1</sup> .....	2,730,409	3,881,311	33,699	—	124,424
11	Other foreign vessels .....	5,665,292	5,155,395	84,011	—	113,111
12	<b>Total registered net tonnage</b> .....	<b>20,587,913</b>	<b>29,182,765</b>	<b>2,619,545</b>	<b>10,157</b>	<b>974,347</b>
Commodity		Cargo tons				
Food, feed, beverages and tobacco:						
13	Barley .....	1,081,479	1,271,549	38,789	—	6,252
14	Corn .....	2,195,254	2,501,371	3,521	—	12,886
15	Oats .....	683,537	710,385	26,096	—	—
16	Rye .....	397,817	399,731	—	—	—
17	Wheat .....	4,909,984	5,314,746	23,287	—	27,412
18	Flour, wheat .....	252,802	260,278	1,343	—	24,262
19	Grain, flour, meal and cereals, n.e.s. ....	136,577	141,548	44,119	—	5,136
20	Beans and peas, dried .....	127,717	158,470	—	—	—
21	Sugar .....	143,627	30,258	—	—	—
22	Molasses, crude and refined .....	66,740	101,744	—	—	—
23	Soyabean oil cake and meal .....	190,831	54,231	—	—	—
24	Food, feed, beverages and tobacco, n.e.s. ....	691,213	606,791	89,735	640	25,124
25	<b>Totals</b> .....	<b>10,877,578</b>	<b>11,551,102</b>	<b>226,890</b>	<b>640</b>	<b>101,072</b>
Crude materials, inedible:						
26	Raw hides and skins .....	50,690	37,379	—	—	—
27	Flaxseed .....	316,610	350,189	—	—	—
28	Soyabeans .....	810,148	1,168,360	—	—	—
29	Pulpwood .....	220,760	264,915	28,874	—	31,732
30	Iron ore .....	6,003,756	10,274,415	9,916	—	—
31	Metallic ores and concentrates, n.e.s. ....	76,539	78,224	—	—	—
32	Iron and steel scrap .....	265,124	278,714	7,154	—	—
33	Coal, bituminous .....	1,188,835	4,866,047	27,310	—	—
34	Crude petroleum .....	142,885	19,709	—	—	—
35	Clay and bentonite .....	97,661	92,070	—	—	—
36	Sand, gravel and stone crushed .....	19,493	1,192,770	77,965	—	—
37	Salt .....	170,046	266,405	15,025	—	55,896
38	Sulphur .....	65,519	65,519	—	—	—
39	Crude materials, inedible, n.e.s. ....	427,086	246,587	19,161	—	141,105
40	<b>Totals</b> .....	<b>9,855,152</b>	<b>19,201,303</b>	<b>185,405</b>	<b>—</b>	<b>228,753</b>
Fabricated materials, inedible:						
41	Woodpulp .....	94,541	93,421	96,053	—	1,522
42	Newsprint paper .....	316,565	477,376	65,861	—	16,960
43	Sodium products .....	—	125,592	—	—	—
44	Chemical products, n.e.s. ....	382,765	392,873	7,435	—	10,300
45	Gasoline .....	77,772	208,512	44,877	—	272,081
46	Fuel oil .....	1,193,076	884,288	145,634	—	396,928
47	Lubricating oils and greases .....	71,928	133,535	—	—	—
48	Coke .....	202,662	210,643	—	—	—
49	Tar, pitch and creosote .....	44,157	93,446	17,888	—	—
50	Pig iron .....	165,757	165,757	4,139	—	—
51	Iron and steel: ingot, billet, rod, etc. ....	176,989	134,267	12,424	—	—
52	Structural shapes and sheet piling .....	451,864	326,228	117,176	—	—
53	Iron and steel: n.e.s. ....	177,289	106,778	37,751	—	—
54	Cement .....	20,300	141,540	4,703	—	67,657
55	Miscellaneous fabricated materials, n.e.s. ....	529,928	448,967	7,519	—	—
56	<b>Totals</b> .....	<b>3,905,593</b>	<b>3,943,223</b>	<b>561,462</b>	<b>—</b>	<b>765,448</b>
End products, inedible:						
57	Machinery, equipment and parts .....	124,229	119,306	—	—	—
58	Motor vehicles and parts .....	111,989	96,064	—	—	—
59	End products, inedible, n.e.s. ....	24,259	15,033	—	—	—
60	<b>Totals</b> .....	<b>260,477</b>	<b>230,403</b>	<b>—</b>	<b>—</b>	<b>—</b>
61	Miscellaneous freight, n.e.s. ....	238,502	123,045	13,287	291	15,369
62	Domestic package freight .....	610,519	461,533	120,085	—	—
63	<b>Grand totals</b> .....	<b>25,747,821</b>	<b>35,510,609</b>	<b>1,107,129</b>	<b>931</b>	<b>1,110,642</b>
Cargo carried, by registry of vessel						
64	Canadian vessels .....	14,697,672	22,587,692	1,042,623	931	868,422
65	United States vessels .....	959,232	2,846,929	43,510	—	—
66	United Kingdom vessels <sup>1</sup> .....	3,495,728	4,536,646	3,858	—	145,536
67	Other foreign vessels .....	6,595,191	5,539,342	17,138	—	96,651

<sup>1</sup> Includes other British Commonwealth.



TABLE 1. Total Traffic through Canadian Canals, 1961 and 1962

Richelieu river	Ottawa river	Rideau	Murray	Trent	St. Andrew's	Total		No.
						1962	1961	
Number of vessels, passengers and pleasure craft lockages								
676	36	60	158	29	202	13,836	17,332	1
36	—	5	21	—	—	3,524	3,307	2
—	—	—	—	—	—	1,938	1,845	3
—	—	—	2	—	—	3,538	3,496	4
712	36	65	181	29	202	22,836	25,980	5
—	3	117	—	61	281	159,065	165,543	6
163	8,173	43,223	2,616	91,725	696	149,403	142,054	7
Registered net tonnage of vessels								
103,725	5,213	2,253	12,074	320	11,089	31,677,612	32,531,256	8
923	—	55	355	—	—	4,045,470	2,515,262	9
—	—	—	66	—	—	6,769,909	6,294,753	10
—	—	—	—	—	—	11,017,809	10,065,901	11
104,648	5,213	2,308	12,495	320	11,089	53,510,800	51,407,172	12
Cargo tons								
—	—	—	—	—	—	2,398,069	1,610,403	13
—	—	—	—	—	—	4,713,032	3,406,392	14
—	—	—	—	—	—	1,420,018	628,225	15
—	—	—	—	—	—	797,548	308,993	16
—	—	—	—	—	—	10,275,429	13,760,485	17
—	—	—	—	—	—	538,685	492,286	18
—	—	—	—	—	42	327,422	350,141	19
—	—	—	—	—	—	286,187	128,521	20
—	—	—	—	—	—	173,885	168,494	21
—	—	—	—	—	—	168,484	217,081	22
—	—	—	—	—	—	245,062	144,195	23
—	—	—	—	—	1,066	1,414,589	1,058,249	24
—	—	—	—	—	1,108	22,758,390	22,273,465	25
—	—	—	—	—	—	88,069	80,119	26
—	—	—	—	—	—	666,799	543,546	27
—	—	—	—	—	—	1,978,508	1,362,051	28
—	—	—	—	—	—	546,301	423,798	29
—	—	—	—	—	—	16,288,087	10,770,618	30
—	—	—	—	—	—	154,763	244,961	31
—	—	—	—	—	—	550,992	2,783,368	32
—	—	—	—	—	—	6,082,192	5,499,938	33
—	—	—	—	—	—	162,594	159,884	34
—	—	—	—	—	—	189,731	145,175	35
—	—	—	—	—	—	1,290,228	1,283,582	36
—	—	—	—	—	—	507,372	380,949	37
—	—	—	—	—	—	131,038	180,023	38
—	—	—	—	—	—	833,939	671,585	39
—	—	—	—	—	—	29,470,613	24,529,597	40
—	—	—	—	—	—	285,537	200,410	41
22,578	—	—	—	—	—	899,340	843,075	42
—	—	—	—	—	—	125,592	106,464	43
62,315	—	—	—	—	—	855,688	684,686	44
—	—	—	—	—	—	603,972	687,133	45
—	—	—	—	31	699	2,619,984	2,437,684	46
—	—	—	—	40	18	205,463	338,386	47
—	—	—	—	—	—	413,305	291,400	48
—	—	—	—	—	—	155,491	208,892	49
—	—	—	—	—	—	335,653	511,842	50
—	—	—	—	—	—	323,680	266,035	51
—	—	—	—	—	—	895,270	630,660	52
—	—	—	350	—	—	322,168	235,136	53
—	—	—	—	—	—	234,200	200,926	54
—	—	—	—	—	249	986,663	839,246	55
84,893	—	—	350	71	966	9,262,006	8,481,985	56
—	300	—	—	—	—	243,835	159,717	57
—	—	—	—	—	—	208,053	156,808	58
—	—	—	—	—	—	39,292	54,010	59
—	300	—	—	—	—	491,180	370,535	60
3,254	—	—	—	—	217	393,965	301,689	61
—	—	—	—	—	—	1,192,137	1,265,425	62
88,147	300	—	350	71	2,291	63,568,291	57,222,696	63
Cargo carried, by registry of vessel								
88,147	300	—	350	71	2,291	39,288,505	37,425,954	64
—	—	—	—	—	—	3,849,671	2,357,751	65
—	—	—	—	—	—	8,181,793	6,820,750	66
—	—	—	—	—	—	12,248,322	10,618,241	67



**SECTION II**

ST. LAWRENCE SEAWAY CANALS



ST. LAWRENCE CANALS<sup>1</sup>  
TABLE 2. Location and Description

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

<sup>1</sup> Includes Lachine and Cornwall canals.

<sup>2</sup> Excludes Wiley-Dondero Canal and two locks near Massena, N.Y. under United States authority. Dimensions are essentially the same as Canadian locks.

TABLE 3. Historical Summary, 1953-62

Registry of vessel	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
<b>Vessel transits</b>										
<b>Upbound:</b>										
Canada .....	4,584	4,372	4,640	5,227	5,082	4,851	4,736	4,158	3,441	2,584
United States .....	30	70	77	92	161	193	340	631	366	356
United Kingdom <sup>1</sup> .....	..	..	58	78	104	87	298	333	424	462
Other foreign .....	291	270	315	338	382	516	851	891	875	886
<b>Totals .....</b>	<b>4,905</b>	<b>4,712</b>	<b>5,090</b>	<b>5,735</b>	<b>5,729</b>	<b>5,647</b>	<b>6,225</b>	<b>6,013</b>	<b>5,106</b>	<b>4,288</b>
<b>Downbound:</b>										
Canada .....	4,603	4,387	4,845	5,374	5,133	4,835	4,853	4,178	3,442	2,927
United States .....	34	82	74	111	189	176	350	629	387	359
United Kingdom <sup>1</sup> .....	..	..	64	93	117	81	308	332	432	482
Other foreign .....	287	268	315	337	378	506	840	888	890	895
<b>Totals .....</b>	<b>4,924</b>	<b>4,737</b>	<b>5,298</b>	<b>5,915</b>	<b>5,817</b>	<b>5,598</b>	<b>6,351</b>	<b>6,027</b>	<b>5,151</b>	<b>4,543</b>
<b>Grand totals .....</b>	<b>9,829</b>	<b>9,449</b>	<b>10,388</b>	<b>11,650</b>	<b>11,546</b>	<b>11,245</b>	<b>12,576</b>	<b>12,040</b>	<b>10,257</b>	<b>8,831</b>
<b>Registered net tons</b>										
<b>Upbound:</b>										
Canada .....	3,929,199	3,833,797	4,071,714	4,519,684	3,987,352	4,030,044	5,322,137	4,614,030	5,589,350	5,555,742
United States .....	13,318	28,882	34,157	39,562	40,187	37,941	507,176	520,540	269,380	494,527
United Kingdom <sup>1</sup> .....	..	..	39,611	56,528	65,724	55,508	803,757	987,579	1,316,171	1,366,560
Other foreign .....	219,329	223,348	262,325	286,072	321,122	427,427	2,038,223	2,583,006	2,593,124	2,814,194
<b>Totals .....</b>	<b>4,161,846</b>	<b>4,086,027</b>	<b>4,407,807</b>	<b>4,901,848</b>	<b>4,414,385</b>	<b>4,570,920</b>	<b>8,671,293</b>	<b>8,705,155</b>	<b>9,788,027</b>	<b>10,231,023</b>
<b>Downbound:</b>										
Canada .....	3,961,431	3,834,853	4,297,321	4,684,266	4,029,862	4,025,615	5,392,196	4,532,602	5,508,151	5,637,593
United States .....	13,321	31,288	34,925	43,621	49,339	53,554	468,942	527,828	296,551	504,350
United Kingdom <sup>1</sup> .....	..	..	47,743	68,883	80,647	51,139	812,951	971,340	1,330,289	1,363,849
Other foreign .....	215,479	221,740	258,691	286,035	316,716	416,682	2,017,016	2,596,680	2,630,189	2,851,098
<b>Totals .....</b>	<b>4,190,231</b>	<b>4,087,881</b>	<b>4,638,690</b>	<b>5,082,805</b>	<b>4,476,564</b>	<b>4,546,990</b>	<b>8,691,105</b>	<b>8,628,450</b>	<b>9,785,180</b>	<b>10,356,890</b>
<b>Grand totals .....</b>	<b>8,352,077</b>	<b>8,173,908</b>	<b>9,046,487</b>	<b>9,984,651</b>	<b>8,890,949</b>	<b>9,117,910</b>	<b>17,362,398</b>	<b>17,333,605</b>	<b>19,533,205</b>	<b>20,587,913</b>
<b>Cargo tons</b>										
<b>Upbound:</b>										
Canada .....	..	..	4,391,872	5,323,540	4,686,603	4,099,722	8,085,427	5,610,185	5,585,557	7,006,988
United States .....	..	..	11,782	2,200	235	925	510,245	308,849	189,285	441,045
United Kingdom <sup>1</sup> .....	..	..	44,846	71,453	60,226	78,254	708,082	1,034,710	1,139,442	1,459,496
Other foreign .....	..	..	333,303	381,103	341,733	491,346	1,851,215	1,910,581	1,333,953	2,041,140
<b>Totals .....</b>	<b>2,997,097</b>	<b>2,973,706</b>	<b>4,781,803</b>	<b>5,776,296</b>	<b>5,088,797</b>	<b>4,870,247</b>	<b>11,154,969</b>	<b>8,664,325</b>	<b>8,248,237</b>	<b>10,948,669</b>
<b>Downbound:</b>										
Canada .....	..	..	6,219,723	7,243,194	6,569,682	6,495,606	5,747,249	5,855,170	8,601,205	7,690,684
United States .....	..	..	36,854	52,114	45,173	29,181	169,684	244,272	337,203	518,167
United Kingdom <sup>1</sup> .....	..	..	55,824	72,735	83,734	63,809	1,266,991	1,654,228	1,935,888	2,036,230
Other foreign .....	..	..	352,416	353,359	404,106	503,257	2,882,387	4,134,166	4,350,292	4,554,051
<b>Totals .....</b>	<b>7,084,895</b>	<b>6,863,328</b>	<b>6,664,817</b>	<b>7,721,402</b>	<b>7,102,695</b>	<b>7,091,853</b>	<b>10,066,311</b>	<b>11,867,838</b>	<b>15,424,586</b>	<b>14,799,152</b>
<b>Grand totals .....</b>	<b>10,081,992</b>	<b>9,637,034</b>	<b>11,446,620</b>	<b>13,499,698</b>	<b>12,191,492</b>	<b>11,782,100</b>	<b>21,221,280</b>	<b>20,732,161</b>	<b>23,672,825</b>	<b>25,747,821</b>
<b>Season of navigation</b>										
First vessel passage .....	March 31	April 13	April 10	April 12	April 10	April 14	April 25	April 18	April 11	April 23
Last vessel passage .....	Dec. 14	Dec. 11	Dec. 12	Dec. 13	Dec. 13	Dec. 19	Dec. 3	Dec. 3	Dec. 12	Dec. 4

<sup>1</sup> Includes other British Commonwealth.

TABLE 4. Traffic on the St. Lawrence Section of the Seaway by kind of Vessel<sup>1</sup>

Kind of vessel	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
	In ballast	With cargo	Total				
<b>Upbound:</b>							
Cargo .....	787	1,373	2,160	8,330,848	12,539,851	8,765,034	45
Passenger-cargo .....	138	76	214	257,213	440,326	165,144	3,632
Cargo-passenger .....	16	253	269	589,143	1,028,180	538,454	373
Scow, barge, etc. ....	111	—	111	24,451	26,018	—	—
Tug and scow <sup>2</sup> .....	66	2	68	25,030	29,364	2,094	—
Tanker .....	34	343	377	819,884	1,343,050	1,460,123	4
Tug or dredge .....	180	—	180	12,113	24,547	—	—
Pleasure craft over 40 ft. ....	—	—	—	—	—	—	—
Naval or government .....	188	—	188	42,371	58,046	—	—
All other types .....	43	—	43	651	780	—	—
<b>Totals .....</b>	<b>1,563</b>	<b>2,047</b>	<b>3,610</b>	<b>10,101,704</b>	<b>15,490,160</b>	<b>10,930,849</b>	<b>4,054</b>
<b>Downbound:</b>							
Cargo .....	271	1,932	2,203	8,489,023	12,773,635	13,013,360	46
Passenger-cargo .....	130	65	195	206,519	351,507	247,551	4,065
Cargo-passenger .....	3	267	270	595,975	1,043,255	890,548	357
Scow, barge, etc. ....	94	1	95	22,498	23,344	3,350	—
Tug and scow <sup>2</sup> .....	84	26	110	38,454	45,857	33,243	—
Tanker .....	285	87	372	804,545	1,318,886	532,881	2
Tug or dredge .....	159	—	159	10,579	21,909	—	—
Pleasure craft over 40 ft. ....	2	—	2	660	1,262	—	—
Naval or government .....	190	—	190	37,931	51,099	—	—
All other types .....	42	—	42	625	899	—	—
<b>Totals .....</b>	<b>1,260</b>	<b>2,378</b>	<b>3,638</b>	<b>10,206,809</b>	<b>15,631,653</b>	<b>14,720,933</b>	<b>4,470</b>
<b>Grand totals .....</b>	<b>2,823</b>	<b>4,425</b>	<b>7,248</b>	<b>20,308,513</b>	<b>31,121,813</b>	<b>25,651,782</b>	<b>8,524</b>

TABLE 5. Traffic on the St. Lawrence Section of the Seaway by Country of Registry of Vessel<sup>1</sup>

Country of registry	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
	In ballast	With cargo	Total				
<b>Upbound:</b>							
Canada .....	986	1,008	1,994	5,449,833	7,724,659	6,991,993	—
United States .....	299	53	352	493,055	739,019	441,045	3,303
United Kingdom .....	64	223	287	1,014,835	1,746,547	888,789	160
Other British Commonwealth .....	9	83	92	330,627	515,434	567,882	—
Belgium .....	1	1	2	26,488	29,432	16,079	—
Denmark .....	1	11	12	7,292	14,663	12,720	—
Finland .....	1	18	19	12,605	23,628	20,816	—
France .....	6	31	37	148,176	261,872	117,784	—
Germany .....	21	204	225	510,340	851,373	475,944	98
Greece .....	57	18	75	390,335	597,081	109,760	—
Italy .....	20	17	37	130,258	230,229	53,136	13
Netherlands .....	3	70	73	165,064	290,832	174,690	355
Norway .....	29	157	186	551,941	986,073	453,843	48
Portugal .....	1	—	1	985	1,614	—	—
Sweden .....	9	68	77	179,784	329,079	99,928	27
Other Europe .....	10	22	32	147,995	245,477	118,761	38
Panama .....	7	3	10	34,813	56,872	22,264	—
Middle East .....	3	15	18	55,624	97,788	16,528	12
Other Asia .....	—	24	24	123,585	211,100	98,774	—
Liberia .....	36	21	57	328,069	537,190	250,303	—
<b>Totals .....</b>	<b>1,563</b>	<b>2,047</b>	<b>3,610</b>	<b>10,101,704</b>	<b>15,490,160</b>	<b>10,930,849</b>	<b>4,054</b>
<b>Downbound:</b>							
Canada .....	874	1,134	2,008	5,510,143	7,807,325	7,636,863	7
United States .....	258	96	354	503,126	749,123	516,606	3,737
United Kingdom .....	26	261	287	1,008,290	1,737,968	1,719,093	116
Other British Commonwealth .....	64	31	95	334,992	523,436	294,320	—
Belgium .....	—	2	2	26,488	29,432	31,958	—
Denmark .....	7	5	12	7,292	14,662	8,552	—
Finland .....	—	19	19	10,662	21,628	22,536	—
France .....	1	37	38	149,119	263,714	258,152	—
Germany .....	6	219	225	504,586	848,051	809,740	81
Greece .....	—	78	78	407,333	625,799	740,189	—
Italy .....	1	39	40	142,348	244,017	268,426	16
Netherlands .....	—	75	75	172,859	305,734	255,223	403
Norway .....	8	183	189	562,125	1,003,501	1,002,437	68
Portugal .....	—	1	1	985	1,614	2,622	—
Sweden .....	—	77	77	175,837	322,404	251,271	18
Other Europe .....	1	30	31	150,240	248,052	240,207	19
Panama .....	—	9	9	29,838	49,750	75,854	—
Middle East .....	—	17	17	56,060	95,420	86,605	13
Other Asia .....	—	24	24	121,718	208,819	84,358	—
Liberia .....	16	41	57	332,946	531,006	419,721	—
<b>Totals .....</b>	<b>1,260</b>	<b>2,378</b>	<b>3,638</b>	<b>10,206,809</b>	<b>15,631,653</b>	<b>14,720,933</b>	<b>4,470</b>
<b>Grand totals .....</b>	<b>2,823</b>	<b>4,425</b>	<b>7,248</b>	<b>20,308,513</b>	<b>31,121,813</b>	<b>25,651,782</b>	<b>8,524</b>

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.<sup>2</sup> Assessed as one unit.



TABLE 6. Traffic on the St. Lawrence Section of the Seaway by Length of Vessel<sup>1</sup>

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	426	—	426	10,035	11,898	—	2,887
80 to 119 feet	156	—	156	14,183	25,198	—	—
120 " 159 "	87	31	118	40,778	53,177	17,968	—
160 " 199 "	19	1	20	8,173	15,023	702	—
200 " 239 "	23	27	50	27,211	38,854	25,423	—
240 " 279 "	289	571	860	1,148,582	1,753,950	1,479,873	16
280 " 319 "	15	158	173	226,650	382,853	363,286	201
320 " 359 "	74	243	317	683,738	1,050,798	921,803	250
360 " 399 "	24	190	214	489,743	837,336	631,719	98
400 " 439 "	72	161	233	723,659	1,184,871	511,465	90
440 " 479 "	127	227	354	1,421,793	2,392,165	793,054	463
480 " 519 "	111	127	238	1,284,534	2,048,394	630,207	49
520 " 559 "	35	90	125	743,638	1,142,696	879,389	—
560 " 599 "	18	24	42	316,163	493,954	344,668	—
600 " 639 "	34	51	85	669,922	947,553	808,496	—
640 " 679 "	20	31	51	469,836	654,476	663,415	—
680 " 759 "	33	115	148	1,623,086	2,456,964	2,859,399	—
<b>Totals</b>	<b>1,563</b>	<b>2,047</b>	<b>3,610</b>	<b>10,101,704</b>	<b>15,490,160</b>	<b>10,930,849</b>	<b>4,054</b>
Downbound:							
Under 80 feet	414	1	415	14,017	17,815	9,110	3,143
80 to 119 feet	165	—	165	15,255	26,967	—	—
120 " 159 "	103	26	129	41,844	56,052	11,974	—
160 " 199 "	14	1	15	6,126	13,088	510	—
200 " 239 "	9	38	47	25,436	36,851	43,846	—
240 " 279 "	236	623	859	1,144,041	1,751,686	1,646,399	5
280 " 319 "	30	146	176	230,095	388,760	351,620	269
320 " 359 "	82	237	319	690,704	1,060,468	1,057,778	350
360 " 399 "	48	168	216	494,793	844,932	645,137	101
400 " 439 "	6	239	245	750,266	1,228,185	1,249,465	77
440 " 479 "	3	350	353	1,428,247	2,398,235	2,405,650	501
480 " 519 "	14	228	242	1,304,557	2,078,756	2,069,661	—
520 " 559 "	30	100	130	781,040	1,165,766	1,079,903	—
560 " 599 "	10	31	41	317,154	480,802	426,303	—
600 " 639 "	17	68	85	669,981	947,553	1,032,001	—
640 " 679 "	13	39	52	479,125	666,909	731,619	—
680 " 759 "	66	83	149	1,834,128	2,468,828	1,959,957	—
<b>Totals</b>	<b>1,260</b>	<b>2,378</b>	<b>3,638</b>	<b>10,206,809</b>	<b>15,631,653</b>	<b>14,720,933</b>	<b>4,470</b>
<b>Grand totals</b>	<b>2,823</b>	<b>4,425</b>	<b>7,248</b>	<b>20,308,513</b>	<b>31,121,813</b>	<b>25,651,782</b>	<b>8,524</b>

TABLE 7 A. Number and Tonnage of Vessels Upbound on the St. Lawrence Section of the Seaway by Origin and Destination<sup>1</sup>

Port of origin and country of registry	Destined to						Total		
	Canada			United States			Number of vessels	Registered net tons	Gross tons
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons			
Originating at ports on the St. Lawrence river:									
Registry:									
Canada	1,337	2,371,445	3,462,656	822	3,008,165	4,148,876	1,959	5,379,610	7,611,532
United States	4	14,723	20,795	286	224,244	314,845	290	238,967	335,640
United Kingdom	7	34,354	55,621	47	234,850	357,964	54	269,204	413,585
Other British Commonwealth	69	218,966	340,055	21	95,915	150,927	90	314,881	490,982
France	—	—	—	4	33,635	57,684	4	33,635	57,684
Greece	2	10,101	15,880	10	60,736	90,948	12	70,837	106,828
Italy	—	—	—	4	12,668	21,839	4	12,668	21,839
Netherlands	—	—	—	1	3,170	5,574	1	3,170	5,574
Norway	1	836	1,617	6	32,582	60,118	7	33,418	61,735
Sweden	1	6,794	10,137	—	—	—	1	6,794	10,137
Other Europe	—	—	—	5	46,830	70,560	5	46,830	70,560
Panama	—	—	—	2	5,384	9,270	2	5,384	9,270
Other Asia	—	—	—	3	17,800	28,300	3	17,800	28,300
Liberia	2	7,683	12,107	3	14,853	24,004	5	22,536	36,111
<b>Totals</b>	<b>1,423</b>	<b>2,664,902</b>	<b>3,918,868</b>	<b>1,014</b>	<b>3,790,832</b>	<b>5,340,909</b>	<b>2,437</b>	<b>6,455,734</b>	<b>9,259,777</b>

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.



TABLE 7 A. Number and Tonnage of Vessels Upbound on the St. Lawrence Section of the Seaway by Origin and Destination<sup>1</sup> - Concluded

Port of origin and country of registry	Destined to						Total		
	Canada			United States					
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered Net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
Originating at ports outside the Gulf of St. Lawrence:									
Registry:									
Canada .....	33	65,133	104,607	2	5,090	8,520	35	70,223	113,127
United States .....	2	9,074	15,390	60	245,014	387,989	62	254,088	403,379
United Kingdom .....	79	221,052	394,433	154	524,579	936,529	233	745,631	1,332,962
Other British Commonwealth .....	2	15,746	24,452	—	—	—	2	15,746	24,452
Belgium .....	—	—	—	2	26,486	29,432	2	26,486	29,432
Denmark .....	9	3,590	7,549	3	3,702	7,114	12	7,292	14,663
Finland .....	1	672	1,397	18	11,933	22,229	19	12,605	23,626
France .....	—	—	—	33	114,541	204,188	33	114,541	204,188
Germany .....	18	52,536	83,465	207	457,802	767,908	225	510,340	661,373
Greece .....	9	48,576	76,480	54	270,922	413,793	63	318,498	490,253
Italy .....	—	—	—	33	117,590	208,390	33	117,590	208,390
Netherlands .....	7	23,801	42,086	65	137,993	243,172	72	161,894	285,258
Norway .....	27	89,182	122,910	152	449,341	801,428	179	518,523	924,338
Portugal .....	—	—	—	1	985	1,614	1	985	1,614
Sweden .....	6	18,367	34,606	70	154,603	284,336	76	172,990	318,942
Other Europe .....	8	28,027	46,153	19	75,138	128,784	27	101,165	174,917
Panama .....	2	7,460	11,827	6	21,969	35,775	8	29,429	47,602
Middle East .....	5	19,356	32,772	10	18,468	36,716	15	37,824	69,488
Other Asia .....	3	15,238	25,490	21	108,347	185,610	24	123,585	211,100
Liberia .....	21	128,266	211,865	31	177,267	289,214	52	305,533	501,079
<b>Totals .....</b>	<b>232</b>	<b>724,198</b>	<b>1,235,462</b>	<b>941</b>	<b>2,921,772</b>	<b>4,894,921</b>	<b>1,173</b>	<b>3,645,970</b>	<b>6,230,383</b>
<b>Grand totals - Upbound .....</b>	<b>1,655</b>	<b>3,389,100</b>	<b>5,154,330</b>	<b>1,955</b>	<b>6,712,604</b>	<b>10,335,821</b>	<b>3,610</b>	<b>10,101,704</b>	<b>15,490,160</b>

TABLE 7 B. Number and Tonnage of Vessels Downbound on the St. Lawrence Section of the Seaway by Origin and Destination<sup>1</sup>

Port of destination and country of registry	Originating in						Total		
	Canada			United States					
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
Destined to ports on the St. Lawrence river:									
Registry:									
Canada .....	1,515	3,790,185	5,370,585	460	1,625,375	2,284,383	1,975	5,415,560	7,654,968
United States .....	5	31,625	46,620	287	216,669	298,384	292	248,294	345,004
United Kingdom .....	10	67,099	101,463	22	71,678	108,237	32	138,777	209,700
Other British Commonwealth .....	59	159,445	258,961	33	152,050	227,301	92	311,495	486,282
Denmark .....	1	578	1,110	—	—	—	1	578	1,110
Germany .....	2	8,201	13,900	—	—	—	2	8,201	13,900
Greece .....	1	5,690	8,666	—	—	—	1	5,690	8,666
Italy .....	—	—	—	1	4,605	6,030	1	4,605	6,030
Netherlands .....	—	—	—	1	3,170	5,574	1	3,170	5,574
Norway .....	—	—	—	2	2,193	4,074	2	2,193	4,074
Sweden .....	—	—	—	1	6,794	10,137	1	6,794	10,137
Liberia .....	1	7,622	12,898	1	4,658	6,197	2	12,280	20,895
<b>Totals .....</b>	<b>1,584</b>	<b>4,070,445</b>	<b>5,814,003</b>	<b>808</b>	<b>2,087,192</b>	<b>2,952,317</b>	<b>2,402</b>	<b>6,157,637</b>	<b>8,766,320</b>
Destined to ports outside the Gulf of St. Lawrence:									
Registry:									
Canada .....	31	88,577	141,610	2	6,008	10,747	33	94,583	152,357
United States .....	5	16,913	24,444	57	237,919	379,875	62	254,832	404,119
United Kingdom .....	87	240,699	433,570	168	626,814	1,094,698	255	869,513	1,528,268
Other British Commonwealth .....	1	7,873	12,227	2	15,624	24,947	3	23,497	37,174
Belgium .....	—	—	—	2	26,486	29,432	2	26,486	29,432
Denmark .....	7	2,430	5,328	4	4,284	6,224	11	6,714	13,552
Finland .....	—	—	—	19	10,662	21,626	19	10,662	21,626
France .....	3	12,639	21,636	35	136,480	242,078	38	149,119	263,714
Germany .....	19	39,524	65,801	204	456,863	768,350	223	496,387	834,151
Greece .....	9	49,126	77,955	66	352,517	539,178	77	401,643	617,133
Italy .....	1	4,263	6,953	38	133,480	231,034	39	137,743	237,987
Netherlands .....	10	24,415	43,626	64	145,274	256,534	74	169,889	300,160
Norway .....	27	56,893	104,685	160	503,039	894,742	187	559,932	999,427
Portugal .....	—	—	—	1	985	1,614	1	985	1,614
Sweden .....	6	28,421	50,907	68	140,622	261,360	76	169,043	312,267
Other Europe .....	6	16,388	30,980	25	133,652	217,072	31	150,240	248,052
Panama .....	1	2,969	4,595	8	26,669	45,155	9	29,638	49,750
Middle East .....	5	19,356	32,772	12	36,724	62,648	17	56,080	95,420
Other Asia .....	3	15,238	25,490	21	106,480	183,329	24	121,718	208,819
Liberia .....	23	132,845	218,511	32	187,621	291,600	55	320,666	510,111
<b>Totals .....</b>	<b>246</b>	<b>758,569</b>	<b>1,301,090</b>	<b>990</b>	<b>3,290,603</b>	<b>5,584,243</b>	<b>1,236</b>	<b>4,049,172</b>	<b>6,865,333</b>
<b>Grand totals - Downbound .....</b>	<b>1,840</b>	<b>4,829,014</b>	<b>7,115,093</b>	<b>1,798</b>	<b>5,377,795</b>	<b>8,516,560</b>	<b>3,638</b>	<b>10,206,809</b>	<b>15,631,653</b>

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.

TABLE 8. Number and Tonnage of Vessels Using the St. Lawrence Section of the Seaway by Registry and Rig<sup>1</sup>

Country of registry	Steam			Motor			Other			Total		
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Upbound:</b>												
Canada .....	928	4,097,793	5,825,290	934	1,328,369	1,872,490	132	23,671	26,879	1,994	5,449,833	7,724,659
United States .....	79	400,048	609,631	226	67,197	100,887	47	25,810	28,501	352	493,055	739,019
United Kingdom .....	118	396,809	663,762	169	618,026	1,082,785	—	—	—	287	1,014,835	1,746,547
Other British Commonwealth .....	75	285,667	438,688	17	44,960	76,746	—	—	—	92	330,627	515,434
Belgium .....	1	13,244	14,716	1	13,244	14,716	—	—	—	2	26,488	29,432
Denmark .....	—	—	—	12	7,292	14,663	—	—	—	12	7,292	14,663
Finland .....	10	8,819	17,135	9	3,786	6,491	—	—	—	19	12,605	23,626
France .....	8	31,347	54,121	29	116,829	207,751	—	—	—	37	148,176	261,872
Germany .....	4	9,222	16,977	221	501,118	834,396	—	—	—	225	510,340	851,373
Greece .....	56	297,294	448,838	19	93,041	148,243	—	—	—	75	390,335	597,081
Italy .....	12	53,883	88,732	25	76,375	141,497	—	—	—	37	130,258	230,229
Netherlands .....	2	9,320	15,992	71	155,744	274,840	—	—	—	73	165,064	290,832
Norway .....	8	26,633	47,056	178	525,308	939,017	—	—	—	186	551,941	986,073
Portugal .....	—	—	—	1	985	1,814	—	—	—	1	985	1,814
Sweden .....	1	4,469	8,303	76	175,315	320,776	—	—	—	77	179,784	329,079
Other Europe .....	3	14,727	25,051	29	133,268	220,426	—	—	—	32	147,995	245,477
Panama .....	7	22,998	38,675	3	11,815	18,197	—	—	—	10	34,813	56,872
Middle East .....	1	5,900	9,400	17	49,724	88,388	—	—	—	18	55,624	97,788
Other Asia .....	1	3,864	6,659	23	119,721	204,441	—	—	—	24	123,585	211,100
Liberia .....	32	183,648	300,147	25	144,421	237,043	—	—	—	57	328,069	581,190
<b>Totals .....</b>	<b>1,348</b>	<b>5,865,685</b>	<b>8,629,173</b>	<b>2,065</b>	<b>4,186,538</b>	<b>6,805,607</b>	<b>179</b>	<b>49,481</b>	<b>55,380</b>	<b>3,610</b>	<b>10,101,704</b>	<b>15,490,160</b>
<b>Downbound:</b>												
Canada .....	946	4,204,267	5,980,338	908	1,276,147	1,792,163	154	29,729	34,824	2,008	5,510,143	7,807,325
United States .....	79	395,586	600,908	224	76,317	113,838	51	31,223	34,377	354	503,126	749,123
United Kingdom .....	115	388,703	651,214	172	619,587	1,086,754	—	—	—	287	1,008,290	1,737,968
Other British Commonwealth .....	77	291,629	449,665	18	43,363	73,771	—	—	—	95	334,992	523,436
Belgium .....	—	—	—	2	26,488	29,432	—	—	—	2	26,488	29,432
Denmark .....	—	—	—	12	7,292	14,662	—	—	—	12	7,292	14,662
Finland .....	10	8,159	17,135	9	2,503	4,491	—	—	—	19	10,662	21,626
France .....	7	29,428	50,651	31	119,691	213,063	—	—	—	38	149,119	263,714
Germany .....	8	20,178	32,350	217	484,410	815,701	—	—	—	225	504,588	848,051
Greece .....	57	307,286	461,385	21	100,047	164,414	—	—	—	78	407,333	625,799
Italy .....	14	62,751	101,715	26	79,597	142,302	—	—	—	40	142,348	244,017
Netherlands .....	3	13,818	23,648	72	159,041	282,086	—	—	—	75	172,859	305,734
Norway .....	5	10,086	18,381	184	552,039	985,120	—	—	—	189	562,125	1,003,501
Portugal .....	—	—	—	1	985	1,814	—	—	—	1	985	1,814
Sweden .....	1	3,636	6,566	76	172,201	315,838	—	—	—	77	175,837	322,404
Other Europe .....	2	9,152	16,038	29	141,088	232,014	—	—	—	31	150,240	248,052
Panama .....	6	17,238	29,357	3	12,400	20,393	—	—	—	9	29,638	49,750
Middle East .....	1	5,900	9,400	16	50,180	86,020	—	—	—	17	56,080	95,420
Other Asia .....	—	—	—	24	121,718	208,819	—	—	—	24	121,718	208,819
Liberia .....	29	163,803	268,645	28	169,143	262,361	—	—	—	57	332,946	531,006
<b>Totals .....</b>	<b>1,360</b>	<b>5,931,620</b>	<b>8,717,396</b>	<b>2,073</b>	<b>4,214,237</b>	<b>6,845,956</b>	<b>205</b>	<b>60,952</b>	<b>69,201</b>	<b>3,638</b>	<b>10,206,809</b>	<b>15,631,653</b>
<b>Grand totals .....</b>	<b>2,708</b>	<b>11,797,305</b>	<b>17,346,569</b>	<b>4,138</b>	<b>8,400,775</b>	<b>13,650,663</b>	<b>384</b>	<b>110,433</b>	<b>124,581</b>	<b>7,248</b>	<b>20,308,513</b>	<b>31,121,813</b>

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.



TABLE 9. Number and Tonnage of Vessels Using the St. Lawrence Section of the Seaway by Kind and Length<sup>1</sup>

Kind of vessel and length	Upbound			Downbound			Total		
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Cargo vessel:</b>									
Under 80 feet	129	1,415	1,415	131	4,782	7,013	260	6,197	8,428
80 to 119 feet	1	114	213	—	—	—	1	114	213
120 " 159 "	34	7,243	12,811	32	6,864	12,322	66	14,107	25,133
160 " 199 "	2	563	1,175	4	1,359	3,076	8	1,922	4,251
200 " 239 "	23	11,797	20,993	24	11,282	20,331	47	23,079	41,324
240 " 279 "	654	896,007	1,352,835	648	865,862	1,343,148	1,302	1,781,869	2,695,983
280 " 319 "	138	171,450	296,398	144	179,097	308,968	282	350,547	605,366
320 " 359 "	275	593,661	913,743	277	600,954	923,510	552	1,194,615	1,837,253
360 " 399 "	172	388,050	660,880	177	401,063	681,543	349	789,113	1,342,423
400 " 439 "	225	692,921	1,143,729	232	713,704	1,180,722	457	1,406,625	2,324,451
440 " 479 "	349	1,404,978	2,364,950	348	1,411,432	2,371,020	697	2,816,410	4,735,970
480 " 519 "	214	1,161,321	1,833,466	218	1,179,581	1,862,010	432	2,340,902	3,695,476
520 " 559 "	114	668,707	1,022,168	118	687,873	1,047,285	232	1,356,580	2,069,453
560 " 599 "	29	216,131	324,588	29	224,430	324,159	58	440,561	648,747
600 " 639 "	85	669,922	947,553	85	669,981	947,553	170	1,339,903	1,895,106
640 " 679 "	51	469,838	654,476	52	479,125	666,909	103	948,963	1,321,385
680 " 759 "	148	1,823,086	2,456,964	149	1,834,128	2,468,828	297	3,657,214	4,925,792
<b>Totals</b>	<b>2,643</b>	<b>9,177,204</b>	<b>14,008,357</b>	<b>2,668</b>	<b>9,291,517</b>	<b>14,168,397</b>	<b>5,311</b>	<b>18,468,721</b>	<b>28,176,754</b>
<b>Barge and scow:</b>									
Under 80 feet	53	4,052	4,123	47	3,907	3,907	100	7,959	8,030
80 to 119 feet	24	3,907	4,371	18	2,559	2,559	42	6,466	6,930
120 " 159 "	33	16,070	17,100	29	14,201	15,047	62	30,271	32,147
160 " 199 "	1	422	422	—	—	—	1	422	422
240 " 279 "	—	—	—	1	1,831	1,831	1	1,831	1,831
<b>Totals</b>	<b>111</b>	<b>24,451</b>	<b>26,016</b>	<b>95</b>	<b>22,498</b>	<b>23,344</b>	<b>206</b>	<b>44,949</b>	<b>49,360</b>
<b>Tug and scow:<sup>2</sup></b>									
Under 80 feet	12	567	874	24	1,553	2,289	36	2,120	3,163
80 to 119 feet	14	1,922	2,398	32	4,714	6,849	46	6,636	9,247
120 " 159 "	8	2,359	2,912	22	6,117	7,359	30	8,476	10,271
160 " 199 "	6	2,008	2,459	2	521	742	8	2,529	3,201
200 " 239 "	24	14,853	16,361	18	11,303	12,301	42	26,156	28,662
240 " 279 "	4	3,321	4,360	6	5,245	6,438	10	8,566	10,798
400 " 439 "	—	—	—	4	2,524	2,821	4	2,524	2,821
520 " 559 "	—	—	—	2	6,477	7,058	2	6,477	7,058
<b>Totals</b>	<b>68</b>	<b>25,030</b>	<b>29,364</b>	<b>110</b>	<b>38,454</b>	<b>45,857</b>	<b>178</b>	<b>63,484</b>	<b>75,221</b>
<b>Tanker:</b>									
200 to 239 feet	3	561	1,500	3	1,038	2,263	6	1,599	3,763
240 " 279 "	201	247,930	394,996	202	249,146	397,255	403	497,076	792,251
280 " 319 "	30	45,740	75,215	28	43,138	70,352	58	88,878	145,567
320 " 359 "	42	90,077	137,055	42	89,750	136,856	84	179,827	274,013
360 " 399 "	42	101,693	176,456	39	93,730	163,389	81	195,423	339,845
400 " 439 "	7	26,538	36,642	7	26,538	36,642	14	53,076	73,284
440 " 479 "	5	16,815	27,215	5	16,815	27,215	10	33,630	54,430
480 " 519 "	24	123,213	214,928	24	124,976	216,746	48	248,189	431,674
520 " 559 "	10	67,285	109,677	10	66,690	111,423	20	133,975	221,100
560 " 599 "	13	100,032	169,366	12	92,724	156,643	25	192,756	326,009
<b>Totals</b>	<b>377</b>	<b>819,884</b>	<b>1,343,050</b>	<b>372</b>	<b>804,545</b>	<b>1,318,886</b>	<b>749</b>	<b>1,624,429</b>	<b>2,661,936</b>
<b>Tug or dredge:</b>									
Under 80 feet	72	2,008	3,249	62	1,800	2,393	134	3,808	5,642
80 to 119 feet	100	6,787	15,971	89	5,917	14,216	189	12,704	30,187
120 " 159 "	7	2,014	3,568	7	1,558	3,541	14	3,572	7,109
240 " 279 "	1	1,304	1,759	1	1,304	1,759	2	2,608	3,518
<b>Totals</b>	<b>180</b>	<b>12,113</b>	<b>24,547</b>	<b>159</b>	<b>10,579</b>	<b>21,909</b>	<b>339</b>	<b>22,692</b>	<b>46,456</b>
<b>Other vessels:</b>									
Under 80 feet	160	1,993	2,237	151	1,975	2,213	311	3,968	4,450
80 to 119 feet	17	1,453	2,245	26	2,065	3,343	43	3,518	5,588
120 " 159 "	36	13,092	16,786	39	13,104	17,783	75	26,196	34,569
160 " 199 "	11	5,180	10,967	9	4,246	9,270	20	9,426	20,237
200 " 239 "	—	—	—	2	1,813	1,956	2	1,813	1,956
240 " 279 "	—	—	—	1	653	1,255	1	653	1,255
280 " 319 "	5	9,460	11,240	4	7,860	9,440	9	17,320	20,680
400 " 439 "	1	4,200	4,500	2	7,500	8,000	3	11,700	12,500
520 " 559 "	1	7,644	10,851	—	—	—	1	7,644	10,851
<b>Totals</b>	<b>231</b>	<b>43,022</b>	<b>58,826</b>	<b>234</b>	<b>39,216</b>	<b>53,260</b>	<b>465</b>	<b>82,238</b>	<b>112,086</b>
<b>Grand totals</b>	<b>3,810</b>	<b>10,101,704</b>	<b>15,490,160</b>	<b>3,638</b>	<b>10,206,809</b>	<b>15,631,653</b>	<b>7,248</b>	<b>20,306,513</b>	<b>31,121,813</b>

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.<sup>2</sup> Assessed as one unit.

TABLE 10. Number and Tonnage of Vessels Using the St. Lawrence Section of the Seaway by Kind and Draft<sup>1</sup>

Kind of vessel and draft	Upbound			Downbound			Total		
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Cargo vessel:</b>									
5 feet and under .....	126	1,382	1,385	125	1,387	1,403	251	2,769	2,788
6 to 7 feet .....	8	2,606	3,938	4	44	44	12	2,650	3,982
8 " 9 " .....	4	3,701	5,331	—	—	—	4	3,701	5,331
10 " 11 " .....	9	9,356	15,652	7	6,248	10,603	16	15,604	26,255
12 " 13 " .....	57	59,334	92,063	34	20,695	33,601	91	80,029	125,664
14 " 15 " .....	157	235,460	332,926	153	195,976	277,994	310	431,436	610,920
16 " 17 " .....	291	443,607	691,746	283	397,722	609,760	574	841,329	1,301,506
18 " 19 " .....	506	898,551	1,383,753	504	854,759	1,312,456	1,010	1,753,310	2,696,209
20 " 21 " .....	401	1,341,657	1,992,992	397	1,239,887	1,848,251	798	2,581,544	3,841,243
22 " 23 " .....	176	601,569	940,972	190	708,806	1,089,714	366	1,310,375	2,030,686
24 " 25 " .....	337	1,707,232	2,657,120	382	1,888,966	2,944,016	719	3,596,198	5,601,136
26 " 27 " .....	303	2,417,852	3,482,867	304	2,397,090	3,455,401	607	4,814,942	6,938,268
28 " 29 " .....	131	628,638	1,059,217	135	645,616	1,083,539	266	1,274,254	2,142,756
30 feet and over .....	137	826,259	1,348,395	150	934,321	1,501,615	287	1,760,580	2,850,010
<b>Totals .....</b>	<b>2,643</b>	<b>9,177,204</b>	<b>14,008,357</b>	<b>2,668</b>	<b>9,291,517</b>	<b>14,168,397</b>	<b>5,311</b>	<b>18,468,721</b>	<b>28,176,754</b>
<b>Barge or scow:</b>									
5 feet and under .....	105	22,803	23,794	87	19,158	19,894	192	41,961	43,688
6 to 7 feet .....	1	319	319	1	17	17	2	336	336
8 " 9 " .....	4	685	1,149	4	343	343	8	1,028	1,492
12 " 13 " .....	1	644	754	1	644	754	2	1,288	1,508
14 " 15 " .....	—	—	—	1	505	505	1	505	505
20 " 21 " .....	—	—	—	1	1,831	1,831	1	1,831	1,831
<b>Totals .....</b>	<b>111</b>	<b>24,451</b>	<b>26,016</b>	<b>95</b>	<b>22,498</b>	<b>23,344</b>	<b>206</b>	<b>46,949</b>	<b>49,360</b>
<b>Tug and scow<sup>2</sup>:</b>									
5 feet and under .....	16	2,074	2,493	42	6,114	7,542	58	8,188	10,035
6 to 7 feet .....	6	1,392	1,816	16	3,809	5,108	22	5,001	6,924
8 " 9 " .....	16	2,239	3,030	14	1,568	2,329	30	3,807	5,359
10 " 11 " .....	26	15,880	18,145	28	15,262	17,650	54	31,142	35,795
12 " 13 " .....	4	3,445	3,880	6	3,500	4,092	10	6,945	7,972
20 " 21 " .....	—	—	—	4	8,401	9,136	4	8,401	9,136
<b>Totals .....</b>	<b>68</b>	<b>25,030</b>	<b>29,364</b>	<b>110</b>	<b>38,454</b>	<b>45,857</b>	<b>178</b>	<b>63,484</b>	<b>75,221</b>
<b>Tanker:</b>									
10 to 11 feet .....	2	1,488	2,470	1	744	1,235	3	2,232	3,705
12 " 13 " .....	46	55,911	82,159	46	53,234	78,004	92	109,145	160,163
14 " 15 " .....	53	70,608	102,426	52	70,958	102,922	105	141,566	205,348
16 " 17 " .....	100	167,009	282,743	101	167,781	283,699	201	334,790	566,442
18 " 19 " .....	62	76,530	134,954	62	77,986	137,210	124	154,516	272,164
20 " 21 " .....	36	77,475	133,236	32	64,031	110,915	68	141,506	244,151
22 " 23 " .....	27	81,692	115,428	28	89,278	128,513	55	170,970	243,941
24 " 25 " .....	9	30,903	50,179	9	28,369	46,479	18	59,272	96,658
26 " 27 " .....	8	46,814	76,802	6	35,894	58,168	14	82,708	134,970
28 " 29 " .....	17	87,952	153,741	19	100,299	173,806	36	188,251	327,547
30 feet and over .....	17	123,502	208,912	16	115,971	197,935	33	239,473	406,847
<b>Totals .....</b>	<b>377</b>	<b>819,884</b>	<b>1,343,050</b>	<b>372</b>	<b>804,545</b>	<b>1,318,886</b>	<b>749</b>	<b>1,624,429</b>	<b>2,661,936</b>
<b>Tug or dredge:</b>									
5 feet and under .....	21	310	437	19	401	487	40	711	924
6 to 7 feet .....	39	1,537	2,082	41	2,125	2,661	80	3,662	4,743
8 " 9 " .....	55	1,169	5,418	51	1,143	5,459	106	2,312	10,877
10 " 11 " .....	19	1,793	3,305	11	1,321	2,335	30	3,114	5,640
12 " 13 " .....	38	4,793	8,449	30	3,115	6,159	68	7,908	14,608
14 " 15 " .....	5	975	2,525	6	1,170	3,049	11	2,145	5,574
16 " 17 " .....	1	1,304	1,759	1	1,304	1,759	2	2,608	3,518
24 " 25 " .....	1	100	225	—	—	—	1	100	225
28 " 29 " .....	1	132	347	—	—	—	1	132	347
<b>Totals .....</b>	<b>180</b>	<b>12,113</b>	<b>24,547</b>	<b>159</b>	<b>10,579</b>	<b>21,909</b>	<b>339</b>	<b>22,692</b>	<b>46,456</b>
<b>Other vessels:</b>									
5 feet and under .....	149	3,491	3,696	134	2,672	3,156	283	6,163	6,852
6 to 7 feet .....	33	3,469	4,804	35	1,747	3,344	68	5,216	8,148
8 " 9 " .....	17	7,224	8,155	27	10,014	10,920	44	17,238	19,075
10 " 11 " .....	4	2,195	3,246	7	1,983	3,711	11	4,778	6,957
12 " 13 " .....	17	4,562	8,132	17	4,183	7,268	34	8,745	15,400
14 " 15 " .....	1	1,600	1,800	3	5,313	5,456	4	6,913	7,256
16 " 17 " .....	5	3,719	7,743	6	4,378	8,998	11	8,097	16,741
18 " 19 " .....	3	4,918	5,899	3	4,918	5,899	6	9,836	11,798
20 " 21 " .....	1	4,200	4,500	2	4,008	4,508	3	8,208	9,008
30 feet and over .....	1	7,644	10,851	—	—	—	1	7,644	10,851
<b>Totals .....</b>	<b>231</b>	<b>43,022</b>	<b>58,826</b>	<b>234</b>	<b>39,216</b>	<b>53,260</b>	<b>465</b>	<b>82,238</b>	<b>112,086</b>
<b>Grand totals .....</b>	<b>3,610</b>	<b>10,101,704</b>	<b>15,490,160</b>	<b>3,638</b>	<b>10,206,809</b>	<b>15,631,653</b>	<b>7,248</b>	<b>20,308,513</b>	<b>31,121,813</b>

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.<sup>2</sup> Assessed as one unit.



TABLE 11 A. Cargo Tons Carried Upbound on the St. Lawrence Section of the Seaway by Country of Loading and Unloading<sup>1</sup>

Country of loading	Cargo unloaded								
	In Canada			In United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
	tons								
Ports on the St. Lawrence river:									
Canada .....	2,143,317	20,281	2,163,598	6,041,327	247,381	6,288,708	8,184,644	267,662	8,452,306
United States .....	—	—	—	3,353	—	3,353	3,353	—	3,353
<b>Totals .....</b>	<b>2,143,317</b>	<b>20,281</b>	<b>2,163,598</b>	<b>6,044,680</b>	<b>247,381</b>	<b>6,292,061</b>	<b>8,187,997</b>	<b>267,662</b>	<b>8,455,659</b>
Ports outside the Gulf of St. Lawrence:									
Canada Atlantic ports .....	144,431	404	144,835	38,538	70,213	108,751	182,969	70,617	253,586
United States Atlantic and Gulf ports .....	64,194	—	64,194	95,661	—	95,661	159,855	—	159,855
United States Pacific ports .....	—	4,449	4,449	—	—	—	—	4,449	4,449
United Kingdom .....	32,200	108,149	140,349	23,978	104,763	128,741	56,178	212,912	269,090
West Indies (Commonwealth) .....	105,283	57	105,340	22,120	2	22,122	127,403	59	127,462
Other British Commonwealth .....	83,016	20,916	103,932	5,984	58,308	64,292	89,000	79,224	168,224
Belgium .....	27,087	67,233	94,320	11,885	278,318	290,203	38,972	345,551	384,523
Denmark .....	15,161	1,668	16,829	608	4,067	4,675	15,769	5,735	21,504
Finland .....	—	1,320	1,557	29,601	7,546	37,147	29,838	8,866	38,704
France .....	836	10,077	10,913	18,563	44,752	63,315	19,399	54,829	74,228
Germany .....	1,060	51,359	52,419	3,609	80,711	84,320	4,669	132,070	136,739
Greece .....	—	584	584	17,455	538	17,993	17,455	1,122	18,577
Italy .....	8,449	22,266	30,715	13,349	23,401	36,750	21,798	45,667	67,465
Netherlands .....	6,376	25,012	31,388	16,824	49,240	66,064	23,200	74,252	97,452
Norway .....	384	5,221	5,605	14,981	25,811	40,792	15,365	31,032	46,397
Portugal .....	25	7,314	7,339	153	2,993	3,146	178	10,307	10,485
Sweden .....	163	6,997	7,160	29,581	16,817	46,398	29,744	23,814	53,558
Other Europe .....	12,648	12,195	24,843	35,983	18,811	54,794	48,631	31,006	79,637
Central America and Caribbean .....	63,939	—	63,939	20,848	—	20,848	84,787	—	84,787
South America .....	188,051	7,250	195,301	29,492	3,580	33,072	217,543	10,830	228,373
Middle East .....	—	2,949	2,949	7,648	1,623	9,271	7,648	4,572	12,220
Other Asia .....	1,062	16,363	17,425	3,528	80,885	84,413	4,590	97,248	101,838
Other Africa .....	3,969	154	4,123	224	312	536	4,193	466	4,659
Other countries .....	—	1,247	1,247	—	—	—	—	1,247	1,247
<b>Totals .....</b>	<b>758,571</b>	<b>373,184</b>	<b>1,131,755</b>	<b>440,613</b>	<b>872,691</b>	<b>1,313,304</b>	<b>1,199,184</b>	<b>1,245,875</b>	<b>2,445,059</b>
In transit freight .....	..	..	..	..	..	..	29,415	716	30,131
<b>Grand totals — Upbound .....</b>	<b>2,901,888</b>	<b>393,465</b>	<b>3,295,353</b>	<b>6,485,293</b>	<b>1,120,072</b>	<b>7,605,365</b>	<b>9,416,596</b>	<b>1,514,263</b>	<b>10,930,849</b>

TABLE 11 B. Cargo Tons Carried Downbound on the St. Lawrence Section of the Seaway by Country of Loading and Unloading<sup>1</sup>

Country of unloading	Cargo loaded								
	In Canada			In United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
	tons								
Ports on the St. Lawrence river:									
Canada .....	5,239,697	818	5,240,515	2,942,519	16,408	2,958,927	8,182,216	17,226	8,199,442
United States .....	—	—	—	94,901	—	94,901	94,901	—	94,901
<b>Totals .....</b>	<b>5,239,697</b>	<b>818</b>	<b>5,240,515</b>	<b>3,037,420</b>	<b>16,408</b>	<b>3,053,828</b>	<b>8,277,117</b>	<b>17,226</b>	<b>8,294,343</b>
Ports outside the Gulf of St. Lawrence:									
Canada Atlantic ports .....	215,145	4	215,149	26,742	87	26,809	241,887	71	241,958
United States Atlantic and Gulf ports .....	1,110	5,476	6,586	1,007	—	1,007	2,117	5,476	7,593
United States Pacific ports .....	—	333	333	—	57	57	—	390	390
United Kingdom .....	478,119	91,504	569,623	698,358	59,064	757,422	1,176,477	150,568	1,327,045
West Indies (Commonwealth) .....	988	3,259	4,247	—	3,560	3,560	988	8,819	7,807
Other British Commonwealth .....	692	24,652	25,344	49,252	158,585	207,837	49,944	183,237	233,181
Belgium .....	28,553	22,817	51,370	216,441	26,521	244,962	246,994	49,338	296,332
Denmark .....	58	343	399	77,065	3,365	80,430	77,121	3,708	80,829
Finland .....	—	96	96	7,457	3,030	10,487	7,457	3,126	10,583
France .....	9,403	9,306	18,709	103,581	28,340	131,921	112,984	37,646	150,630
Germany .....	64,859	15,930	80,789	863,316	49,641	712,957	728,175	65,571	793,746
Greece .....	20	3,062	3,082	16,411	2,995	19,406	16,431	6,057	22,488
Italy .....	50,248	43,092	93,340	452,316	37,275	489,591	502,564	80,367	582,931
Netherlands .....	75,448	35,868	111,316	1,390,957	101,939	1,492,896	1,466,405	137,807	1,604,212
Norway .....	6,189	1,420	7,609	86,251	4,845	91,096	92,440	6,265	98,705
Portugal .....	7,486	92	7,578	13,495	5,646	19,141	20,981	5,738	26,719
Sweden .....	22	4,307	4,329	2,771	21,549	24,320	18,431	25,856	28,649
Other Europe .....	46,197	6,070	52,267	99,548	38,670	138,218	145,745	44,740	190,485
Central America and Caribbean .....	—	38	38	407	921	1,328	407	959	1,366
South America .....	19,153	21,870	41,023	44,437	32,975	77,412	63,590	54,845	118,435
Middle East .....	121	6,793	6,914	107,255	68,960	176,215	107,376	75,753	183,129
Other Asia .....	57,810	6,026	63,836	194,524	25,133	219,657	252,334	31,159	283,493
Other Africa .....	10,811	1,723	12,534	79,428	15,184	94,612	90,237	16,907	107,144
<b>Totals .....</b>	<b>1,072,430</b>	<b>304,081</b>	<b>1,376,511</b>	<b>4,333,017</b>	<b>688,322</b>	<b>5,021,339</b>	<b>5,405,447</b>	<b>992,403</b>	<b>6,397,850</b>
In transit freight .....	..	..	..	..	..	..	25,902	2,838	28,740
<b>Grand totals — Downbound .....</b>	<b>6,312,127</b>	<b>304,899</b>	<b>6,617,026</b>	<b>7,370,437</b>	<b>704,730</b>	<b>8,075,167</b>	<b>13,708,466</b>	<b>1,012,467</b>	<b>14,720,933</b>

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.

TABLE 12A. Cargo Tons Carried Upbound on the St. Lawrence Section of the Seaway by Country of Registry of Vessel<sup>1</sup>

Loaded at	Registry of vessel	Cargo tons		
		Bulk	General	Total
Ports on the St. Lawrence river .....	Canada .....	6,652,149	267,625	6,919,774
	United States .....	382,209	—	382,209
	United Kingdom .....	354,662	—	354,662
	Other British Commonwealth .....	567,277	—	567,277
	France .....	59,161	—	59,161
	Germany .....	—	2	2
	Greece .....	14,268	—	14,268
	Netherlands .....	—	2	2
	Norway .....	75,024	18	75,042
	Sweden .....	—	15	15
	Other Europe .....	69,141	—	69,141
	Liberia .....	14,106	—	14,106
	<b>Totals .....</b>	<b>8,187,997</b>	<b>267,662</b>	<b>8,455,659</b>
	Ports outside the Gulf of St. Lawrence .....	Canada .....	64,704	7,515
United States .....		37,470	17,565	55,035
United Kingdom .....		313,981	220,146	534,127
Other British Commonwealth .....		—	605	605
Belgium .....		16,079	—	16,079
Denmark .....		12,720	—	12,720
Finland .....		7	20,809	20,816
France .....		10,154	48,469	58,623
Germany .....		79,601	396,341	475,942
Greece .....		54,675	27,034	81,709
Italy .....		22,760	30,376	53,136
Netherlands .....		15,842	158,836	174,678
Norway .....		243,728	134,296	378,024
Sweden .....		44,131	51,036	95,167
Other Europe .....		28,143	21,477	49,620
Panama .....		15,341	6,943	22,284
Middle East .....		4,048	10,462	14,510
Other Asia .....		3,609	89,959	93,568
Liberia .....		232,191	4,006	236,197
<b>Totals .....</b>		<b>1,199,184</b>	<b>1,245,875</b>	<b>2,445,059</b>
In transit freight .....	29,415	716	30,131	
<b>Grand totals — Upbound .....</b>	<b>9,416,596</b>	<b>1,514,253</b>	<b>10,930,849</b>	

TABLE 12B. Cargo Tons Carried Downbound on the St. Lawrence Section of the Seaway by Country of Registry of Vessel<sup>1</sup>

Unloaded at	Registry of vessel	Cargo tons		
		Bulk	General	Total
Ports on the St. Lawrence river .....	Canada .....	7,513,872	17,210	7,531,082
	United States .....	248,272	—	248,272
	United Kingdom .....	232,374	3	232,377
	Other British Commonwealth .....	259,832	—	259,832
	Italy .....	—	1	1
	Netherlands .....	9,624	—	9,624
	Norway .....	3,584	—	3,584
	Sweden .....	9,559	—	9,559
	Middle East .....	—	12	12
	<b>Totals .....</b>	<b>8,277,117</b>	<b>17,226</b>	<b>8,294,343</b>
Ports outside the Gulf of St. Lawrence .....	Canada .....	102,283	3,498	105,781
	United States .....	78,035	187,842	265,877
	United Kingdom .....	1,381,526	105,190	1,488,716
	Other British Commonwealth .....	34,488	—	34,488
	Belgium .....	31,958	—	31,958
	Denmark .....	1,523	7,029	8,552
	Finland .....	9,249	13,287	22,536
	France .....	236,513	19,639	256,152
	Germany .....	607,071	202,469	809,540
	Greece .....	684,262	42,144	726,406
	Italy .....	240,558	25,867	266,425
	Netherlands .....	173,537	72,062	245,599
	Norway .....	883,211	115,071	998,282
	Portugal .....	2,822	—	2,822
	Sweden .....	135,570	101,396	236,966
	Other Europe .....	210,634	29,573	240,207
	Panama .....	75,854	—	75,854
	Middle East .....	39,160	45,656	84,816
	Other Asia .....	59,537	19,615	79,152
	Liberia .....	417,656	2,065	419,721
<b>Totals .....</b>	<b>5,405,447</b>	<b>992,403</b>	<b>6,397,850</b>	
In transit freight .....	25,902	2,838	28,740	
<b>Grand totals — Downbound .....</b>	<b>13,708,466</b>	<b>1,012,467</b>	<b>14,720,933</b>	

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.



TABLE 13. Cargo Tons Carried on the St. Lawrence Section of the Seaway by Kind, Gross Tonnage and Number of Vessels<sup>1</sup>

Kind of vessel and gross tonnage	Upbound							Downbound						
	Number of vessels			Cargo tons			Average cargo tons per loaded vessel	Number of vessels			Cargo tons			Average cargo tons per loaded vessel
	In ballast	With cargo	Total	Bulk	General	Total		In ballast	With cargo	Total	Bulk	General	Total	
<b>Cargo vessel:</b>														
Under 1,000 gross tons	135	43	178	19,227	6,099	25,326	589.0	140	39	179	12,540	9,400	21,940	562.6
1,000 to 1,999 .....	142	235	377	211,700	187,503	399,203	1,698.7	29	345	374	627,914	125,275	753,189	2,183.2
2,000 " 2,999 .....	153	385	538	494,617	493,562	988,179	2,566.7	42	496	538	1,239,178	192,849	1,432,027	2,887.2
3,000 " 3,999 .....	86	174	260	538,995	113,924	652,919	3,752.4	26	241	267	1,139,899	70,410	1,210,309	5,022.0
4,000 " 4,999 .....	64	152	216	281,684	187,061	468,745	3,083.8	20	202	222	949,302	92,816	1,042,118	5,159.0
5,000 " 5,999 .....	38	128	166	469,937	95,228	565,165	4,415.4	18	146	164	752,168	95,721	847,889	5,807.5
6,000 " 6,999 .....	42	116	158	421,166	59,086	480,252	4,140.1	3	161	164	984,928	96,067	1,080,995	6,714.3
7,000 " 7,999 .....	59	102	161	502,108	152,564	654,672	6,418.4	20	144	164	1,138,086	84,454	1,222,540	8,489.9
8,000 " 8,999 .....	74	66	140	307,063	75,588	382,651	5,797.7	2	143	145	1,125,522	149,871	1,275,393	8,918.8
9,000 " 9,999 .....	36	51	87	211,475	106,020	317,495	6,225.4	3	86	89	727,677	49,581	777,258	9,037.9
10,000 " 10,999 .....	30	45	75	337,691	16,211	353,902	7,864.5	3	71	74	836,963	20,189	857,152	12,072.6
11,000 " 11,999 .....	16	29	45	332,802	14,814	347,616	11,986.8	16	30	46	408,642	—	408,642	13,621.4
12,000 " 12,999 .....	18	33	51	527,016	3,760	530,776	16,084.1	17	35	52	540,027	—	540,027	15,429.3
13,000 " 13,999 .....	7	22	29	437,741	1,815	439,556	19,979.8	5	23	28	445,938	—	445,938	19,388.6
14,000 " 14,999 .....	7	12	19	178,346	—	178,346	14,862.2	—	19	19	284,916	—	284,916	14,995.6
15,000 " 15,999 .....	8	23	31	533,262	—	533,262	23,185.3	17	14	31	260,036	25,834	285,870	20,419.3
16,000 " 16,999 .....	4	14	18	321,215	—	321,215	22,943.9	5	13	18	277,427	—	277,427	21,340.5
17,000 and over .....	22	72	94	1,828,334	1,018	1,829,352	25,407.7	38	56	94	1,387,829	—	1,387,829	24,782.7
<b>Totals .....</b>	<b>941</b>	<b>1,702</b>	<b>2,643</b>	<b>7,954,379</b>	<b>1,514,253</b>	<b>9,468,632</b>	<b>5,563.2</b>	<b>404</b>	<b>2,264</b>	<b>2,668</b>	<b>13,138,992</b>	<b>1,012,467</b>	<b>14,151,459</b>	<b>6,250.6</b>
<b>Barge or scow:</b>														
Under 1,000 gross tons	111	—	111	—	—	—	—	94	—	94	—	—	—	—
1,000 to 1,999 .....	—	—	—	—	—	—	—	—	1	1	3,350	—	3,350	3,350.0
<b>Totals .....</b>	<b>111</b>	<b>—</b>	<b>111</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>94</b>	<b>1</b>	<b>95</b>	<b>3,350</b>	<b>—</b>	<b>3,350</b>	<b>3,350.0</b>
<b>Tug and scow:<sup>2</sup></b>														
Under 1,000 gross tons	36	—	36	—	—	—	—	78	—	78	—	—	—	—
1,000 to 1,999 .....	28	2	30	2,094	—	2,094	1,047.0	4	22	26	26,651	—	26,651	1,211.4
2,000 " 2,999 .....	2	—	2	—	—	—	—	2	2	4	400	—	400	200.0
7,000 " 7,999 .....	—	—	—	—	—	—	—	—	2	2	6,192	—	6,192	3,096.0
<b>Totals .....</b>	<b>66</b>	<b>2</b>	<b>68</b>	<b>2,094</b>	<b>—</b>	<b>2,094</b>	<b>1,047.0</b>	<b>84</b>	<b>26</b>	<b>110</b>	<b>33,243</b>	<b>—</b>	<b>33,243</b>	<b>1,278.6</b>
<b>Tanker:</b>														
Under 1,000 gross tons	—	3	3	1,730	—	1,730	576.7	2	—	2	—	—	—	—
1,000 to 1,999 .....	7	94	101	272,782	—	272,782	2,901.9	82	20	102	52,027	—	52,027	2,601.4
2,000 " 2,999 .....	3	127	130	426,126	—	426,126	3,355.3	112	17	129	46,350	—	46,350	2,726.5
3,000 " 3,999 .....	—	43	43	199,633	—	199,633	4,642.6	36	7	43	27,441	—	27,441	3,920.1
4,000 " 4,999 .....	1	41	42	229,274	—	229,274	5,592.0	34	5	39	28,036	—	28,036	5,607.2
5,000 " 5,999 .....	10	1	11	3,353	—	3,353	3,353.0	—	11	11	84,131	—	84,131	7,648.3
8,000 " 8,999 .....	2	10	12	38,382	—	38,382	3,838.2	—	11	11	108,097	—	108,097	9,827.0
9,000 " 9,999 .....	—	8	8	71,029	—	71,029	8,878.6	8	2	8	21,094	—	21,094	10,547.0
10,000 " 10,999 .....	8	2	10	22,522	—	22,522	11,261.0	1	10	11	112,660	—	112,660	11,266.0
11,000 " 11,999 .....	—	4	4	49,856	—	49,856	12,464.0	2	1	3	13,313	—	13,313	13,313.0
12,000 " 12,999 .....	2	5	7	76,761	—	76,761	15,352.2	5	1	6	12,945	—	12,945	12,945.0
13,000 " 13,999 .....	—	5	5	68,675	—	68,675	13,735.0	5	1	6	12,663	—	12,663	12,663.0
14,000 " 14,999 .....	1	—	1	—	—	—	—	—	1	1	14,124	—	14,124	14,124.0
<b>Totals .....</b>	<b>34</b>	<b>343</b>	<b>377</b>	<b>1,460,123</b>	<b>—</b>	<b>1,460,123</b>	<b>4,258.9</b>	<b>285</b>	<b>87</b>	<b>372</b>	<b>532,881</b>	<b>—</b>	<b>532,881</b>	<b>6,125.1</b>
<b>Other vessels:</b>														
Under 1,000 gross tons	397	—	397	—	—	—	—	380	—	380	—	—	—	—
1,000 to 1,999 .....	8	—	8	—	—	—	—	7	—	7	—	—	—	—
2,000 " 2,999 .....	4	—	4	—	—	—	—	4	—	4	—	—	—	—
3,000 " 3,999 .....	—	—	—	—	—	—	—	1	—	1	—	—	—	—
4,000 " 4,999 .....	1	—	1	—	—	—	—	1	—	1	—	—	—	—
10,000 " 10,999 .....	1	—	1	—	—	—	—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>411</b>	<b>—</b>	<b>411</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>383</b>	<b>—</b>	<b>383</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Grand totals .....</b>	<b>1,563</b>	<b>2,047</b>	<b>3,610</b>	<b>9,416,596</b>	<b>1,514,253</b>	<b>10,930,849</b>	<b>5,339.9</b>	<b>1,260</b>	<b>2,378</b>	<b>3,638</b>	<b>13,708,466</b>	<b>1,012,467</b>	<b>14,720,933</b>	<b>6,190.5</b>

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.<sup>2</sup> Assessed as one unit.

TABLE 14A. Commodities Carried Upbound on the St. Lawrence Section of the Seaway by Country of Loading and Unloading<sup>1</sup>

No.	Commodity	Canada to		United States to		United Kingdom to	
		Canada	United States	Canada	United States	Canada	United States
		tons					
	Food, feed, beverages and tobacco:						
1	Meat and meat preparations .....	—	—	—	—	86	409
2	Fish and marine animals .....	83	1,700	12	—	232	188
3	Oats .....	4,924	—	—	—	—	—
4	Fruits and fruit preparations .....	—	8	3,093	—	708	1,069
5	Vegetables and vegetable preparations .....	—	—	32	—	66	—
6	Sugar .....	—	—	—	—	—	—
7	Molasses, crude and refined .....	5,608	—	—	—	—	—
8	Sugar preparations (incl. confectionery) .....	—	—	—	—	4,896	282
9	Misc. foods (materials and preparations) .....	—	—	663	—	2,217	502
10	Ale, beer and wines .....	—	—	—	—	694	1,117
11	Distilled alcoholic beverages .....	—	—	—	—	4,594	22,107
12	Food, feed, beverages and tobacco, n.e.s. ....	—	—	42	—	3,017	571
13	<b>Totals</b> .....	<b>10,615</b>	<b>1,708</b>	<b>3,842</b>	<b>—</b>	<b>16,510</b>	<b>26,245</b>
	Crude materials, inedible:						
14	Crude animal products, inedible (ex. fibres) .....	—	—	—	—	40	148
15	Rubber, natural .....	—	—	—	—	63	—
16	Crude vegetable materials, inedible, n.e.s. ....	—	—	—	—	3,949	2,371
17	Pulpwood .....	133,756	87,004	—	—	—	—
18	Textile and related fibres (incl. waste) .....	—	—	—	—	1,888	198
19	Aluminum ore and concentrates .....	—	—	—	—	—	—
20	Iron ore .....	120,355	5,797,642	—	—	342	—
21	Metallic ores and concentrates, n.e.s. ....	—	—	—	—	17	—
22	Coal, bituminous .....	635,630	—	—	—	—	—
23	Crude petroleum .....	13,335	—	—	19,709	—	—
24	Clay and bentonite .....	—	—	—	—	13,443	16,762
25	Stone, crushed and broken .....	2,790	—	—	—	22	—
26	Phosphate rock .....	51,402	—	37,263	—	—	—
27	Sulphur .....	—	37,527	—	27,992	—	—
28	Non-metallic minerals, crude, n.e.s. ....	16,904	12,348	26,931	33,842	423	103
29	Crude materials, inedible, n.e.s. ....	9,438	—	—	—	418	343
30	<b>Totals</b> .....	<b>983,610</b>	<b>5,934,521</b>	<b>64,194</b>	<b>81,543</b>	<b>20,605</b>	<b>21,925</b>
	Fabricated materials, inedible:						
31	Wood fabricated materials .....	—	15	—	—	382	189
32	Woodpulp .....	2,126	24,023	—	—	—	—
33	Newsprint paper .....	403	314,333	—	—	—	—
34	Paper and paperboard, n.e.s. ....	—	—	—	—	645	175
35	Cordage, twine and rope .....	—	—	—	—	805	567
36	Fish and animal oils .....	1,119	—	—	—	107	—
37	Vegetable oils and fats, n.e.s. ....	—	—	—	—	5,436	802
38	Oils, fats, waxes, n.e.s. ....	—	—	5	—	252	8
39	Chemicals .....	5,851	—	127	—	7,242	1,908
40	Fertilizers .....	4,385	—	—	—	6	—
41	Chemical products, n.e.s. ....	92,959	—	—	—	8,295	1,445
42	Gasoline .....	25,789	—	—	—	—	—
43	Fuel oil .....	908,305	34,352	—	15,377	—	—
44	Lubricating oils and greases .....	38,948	—	—	2,094	117	—
45	Ferro-alloys .....	—	—	—	—	9	—
46	Pig iron .....	—	86,969	—	—	—	—
47	Iron and steel: ingot, bar, rod, etc. ....	—	—	—	—	5,550	7,860
48	Steel: plate, sheet and strip .....	—	—	—	—	2,451	314
49	Structural shapes and sheet piling .....	—	—	—	—	9,576	9,791
50	Iron and steel: pipes, tubes and fittings .....	—	—	—	—	3,701	11,223
51	Iron and steel: wire and wire rope .....	—	—	—	—	2,157	8,062
52	Iron and steel, n.e.s. ....	—	—	—	—	756	396
53	Aluminum: bar, ingot, pig and slab .....	2,310	433	—	—	1,284	181
54	Non-ferrous metals and alloys, n.e.s. ....	—	18	—	—	6,039	2,540
55	Metal fabricated basic products, n.e.s. ....	—	—	—	—	3,674	4,949
56	Glass: plate, sheet and structural .....	—	—	—	—	2,371	8,173
57	Cement .....	—	—	—	—	26	7
58	Miscellaneous fabricated materials, n.e.s. ....	—	—	—	—	4,654	936
59	<b>Totals</b> .....	<b>1,082,195</b>	<b>460,143</b>	<b>132</b>	<b>17,471</b>	<b>65,735</b>	<b>59,526</b>
	End products, inedible:						
60	Machinery, equipment and parts .....	374	—	9	—	10,484	4,585
61	Motor vehicles and parts .....	—	—	2	—	4,307	8,698
62	End products, inedible, n.e.s. ....	—	2	—	—	3,414	2,115
63	<b>Totals</b> .....	<b>374</b>	<b>2</b>	<b>11</b>	<b>—</b>	<b>18,205</b>	<b>15,398</b>
64	Miscellaneous freight, n.e.s. ....	20,257	1,065	464	—	19,294	5,647
65	Domestic package freight .....	211,382	—	—	—	—	—
66	In transit freight .....	..	..	..	..	..	..
67	<b>Grand totals — Upbound</b> .....	<b>2,308,433</b>	<b>6,397,459</b>	<b>68,643</b>	<b>99,014</b>	<b>149,349</b>	<b>128,741</b>

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.



TABLE 14 A. Commodities Carried Upbound on the St. Lawrence Section of the Seaway by Country of Loading and Unloading<sup>1</sup>

Other British Commonwealth to		Other Europe to		Other countries to		Total to		Grand total	No.
Canada	United States	Canada	United States	Canada	United States	Canada	United States		
tons									
2, 278	125	278	1, 423	24	183	2, 666	2, 140	4, 806	1
87	—	1, 468	4, 482	1, 206	2, 753	3, 088	9, 123	12, 211	2
—	—	—	—	—	—	4, 924	—	4, 924	3
510	1, 083	11, 394	14, 813	2, 811	3, 817	18, 516	20, 790	39, 306	4
12	—	4, 004	1, 055	27	10	4, 141	1, 065	5, 206	5
103, 177	4, 816	—	—	19, 999	15, 635	123, 176	20, 451	143, 627	6
22, 980	17, 304	—	—	—	—	28, 588	38, 152	66, 740	7
10, 449	89	2, 253	700	151	869	17, 749	1, 940	19, 689	8
1, 356	693	5, 954	3, 155	183	2, 197	10, 373	6, 547	16, 920	9
11	—	5, 506	29, 435	55	128	6, 266	30, 680	36, 946	10
—	—	414	1, 073	1	58	5, 009	23, 238	28, 247	11
1, 083	189	6, 192	1, 885	6, 789	2, 367	17, 123	5, 012	22, 135	12
<b>141, 943</b>	<b>24, 299</b>	<b>37, 463</b>	<b>58, 021</b>	<b>31, 246</b>	<b>48, 865</b>	<b>241, 619</b>	<b>159, 138</b>	<b>400, 757</b>	<b>13</b>
—	—	507	3, 543	311	447	858	4, 138	4, 996	14
7, 113	40, 347	7	202	755	2, 133	7, 938	42, 682	50, 620	15
3, 971	299	2, 987	11, 297	2, 578	3, 358	13, 485	17, 325	30, 810	16
—	—	—	—	—	—	133, 756	87, 004	220, 760	17
261	376	2, 746	527	2, 375	4, 378	7, 270	5, 479	12, 749	18
17, 686	—	—	17, 353	4, 700	12, 309	22, 386	29, 662	52, 048	19
—	—	—	—	—	9, 102	120, 697	5, 806, 744	5, 927, 441	20
—	114	15	1, 150	3, 646	114	3, 678	1, 378	5, 056	21
—	—	—	—	—	—	635, 630	—	635, 630	22
14, 145	—	—	—	95, 696	—	123, 176	19, 709	142, 885	23
—	—	5	32	13	—	13, 461	18, 794	32, 255	24
—	—	8, 267	6, 443	—	5	11, 079	6, 448	17, 527	25
—	—	—	—	—	—	88, 665	—	88, 665	26
—	69	376	31, 057	99	670	—	65, 519	65, 519	27
—	269	8, 271	1, 799	2, 325	72	20, 637	78, 089	122, 822	28
185	—	—	—	—	—	—	2, 483	23, 120	29
<b>43, 361</b>	<b>41, 474</b>	<b>23, 181</b>	<b>73, 403</b>	<b>112, 498</b>	<b>32, 588</b>	<b>1, 247, 449</b>	<b>6, 185, 454</b>	<b>7, 432, 903</b>	<b>30</b>
493	68	2, 156	7, 385	3, 840	3, 987	6, 871	11, 644	18, 515	31
—	—	—	67, 875	—	—	2, 126	91, 898	94, 024	32
—	—	—	—	—	—	403	314, 333	314, 736	33
—	—	3, 441	11, 732	—	205	4, 086	12, 112	16, 198	34
—	—	4, 369	13, 583	496	53	5, 670	14, 203	19, 873	35
—	—	7, 525	5, 475	34	3, 248	8, 785	8, 723	17, 508	36
2, 392	—	2, 918	4, 112	2, 132	45	12, 878	4, 959	17, 837	37
—	—	4, 816	172	1, 243	1, 268	6, 316	1, 448	7, 764	38
62	—	11, 044	4, 613	287	148	24, 613	6, 669	31, 282	39
—	—	5, 284	491	6	11	9, 681	502	10, 183	40
35	—	27, 018	5, 822	425	402	128, 732	7, 669	136, 401	41
—	—	—	—	—	—	25, 789	—	25, 789	42
13, 647	—	—	—	124, 882	—	1, 046, 834	49, 729	1, 096, 563	43
—	—	4	5	—	—	39, 069	2, 099	41, 168	44
—	5, 600	42	31, 633	5	1, 384	56	38, 617	38, 673	45
—	—	—	20, 140	—	—	—	107, 109	107, 109	46
—	5, 909	21, 110	79, 730	4	17, 345	26, 664	110, 844	137, 508	47
—	—	1, 181	5, 878	76	2, 321	3, 688	8, 513	12, 201	48
6, 165	2, 497	43, 997	153, 575	—	208	59, 738	166, 071	225, 809	49
—	—	5, 772	11, 494	137	308	9, 610	23, 025	32, 635	50
—	112	8, 434	55, 814	134	11, 176	10, 725	75, 164	85, 889	51
—	—	262	2, 535	11	158	1, 029	3, 089	4, 118	52
—	—	5	8, 669	28	195	3, 627	9, 478	13, 105	53
365	5, 039	4, 665	6, 979	424	1, 619	11, 493	16, 195	27, 688	54
23	731	3, 920	18, 006	1, 450	13, 522	9, 267	37, 208	48, 475	55
—	—	8, 339	31, 261	—	—	8, 710	39, 434	48, 144	56
—	—	16, 998	151	—	—	17, 024	158	17, 182	57
—	219	3, 675	4, 237	810	3, 104	9, 139	8, 496	17, 635	58
<b>23, 182</b>	<b>20, 175</b>	<b>184, 955</b>	<b>551, 367</b>	<b>136, 424</b>	<b>60, 707</b>	<b>1, 492, 623</b>	<b>1, 169, 389</b>	<b>2, 662, 012</b>	<b>59</b>
22	3	5, 960	9, 006	295	361	17, 144	13, 955	31, 099	60
3	—	11, 301	30, 071	483	136	18, 096	38, 905	55, 001	61
23	25	1, 928	4, 413	179	699	5, 544	7, 254	12, 798	62
<b>48</b>	<b>28</b>	<b>19, 189</b>	<b>43, 490</b>	<b>957</b>	<b>1, 196</b>	<b>38, 784</b>	<b>60, 114</b>	<b>98, 896</b>	<b>63</b>
739	438	18, 884	19, 316	3, 859	4, 784	63, 496	31, 270	94, 766	84
—	—	—	—	—	—	211, 382	—	211, 382	65
..	..	..	..	..	..	..	..	30, 131	66
<b>209, 272</b>	<b>86, 414</b>	<b>283, 672</b>	<b>745, 597</b>	<b>284, 984</b>	<b>148, 140</b>	<b>3, 295, 353</b>	<b>7, 605, 365</b>	<b>10, 930, 849</b>	<b>67</b>

TABLE 14 B. Commodities Carried Downbound on the St. Lawrence Section of the Seaway by Country of Loading and Unloading<sup>1</sup>

No.	Commodity	Canada to						Total
		Canada	United States	United Kingdom	Other British Commonwealth	Other Europe	Other countries	
		tons						
	Food, feed, beverages and tobacco:							
1	Meat and meat preparations .....	—	—	430	510	215	132	1,287
2	Milk powder .....	—	—	6	985	909	4,411	6,311
3	Barley .....	321,762	—	65,042	—	1,807	—	388,611
4	Corn .....	45,726	—	—	—	4,330	—	50,056
5	Oats .....	226,282	—	7,516	—	15,810	—	249,608
6	Rye .....	52,549	—	1,736	—	76,640	—	130,925
7	Wheat .....	3,760,408	—	97,224	—	93,377	28,455	3,979,464
8	Cereals, unmilled, n.e.s. ....	954	—	—	—	—	—	954
9	Corn meal .....	—	—	—	—	—	—	—
10	Malt .....	50,858	—	51	—	—	—	50,909
11	Wheat flour .....	30,477	—	20,026	480	67	121	51,171
12	Grain, flour, meal and cereals, n.e.s. ....	—	—	947	456	13	—	1,416
13	Beans and peas, dried .....	11,428	—	15,546	517	620	—	28,111
14	Margarine, shortening and lard .....	—	—	2	—	—	—	2
15	Soyabean oil cake and meal .....	—	—	152,852	—	168	—	153,020
16	Fodder and feed, n.e.s. ....	23,897	—	36,332	41	7,078	222	67,570
17	Food, beverages and tobacco, n.e.s. ....	—	—	22,130	1,415	3,618	60	27,223
18	<b>Totals</b> .....	<b>4,524,341</b>	<b>—</b>	<b>419,840</b>	<b>4,404</b>	<b>204,652</b>	<b>33,401</b>	<b>5,186,638</b>
	Crude materials, inedible:							
19	Raw hides and skins .....	—	—	187	2	11,183	1,588	12,960
20	Crude animal products, inedible, n.e.s. ....	—	—	68	—	113	—	181
21	Seeds for sowing .....	—	—	568	1	799	108	1,476
22	Flaxseed .....	165,840	—	20,587	—	19,233	—	205,660
23	Soyabeans .....	61,770	—	7,876	—	—	—	69,646
24	Logs and round timber .....	—	—	869	52	572	23	1,516
25	Iron ore .....	—	—	—	—	—	—	—
26	Copper ore and concentrates .....	—	—	—	—	18,034	—	18,034
27	Metallic ores and concentrates, n.e.s. ....	—	—	192	—	309	—	501
28	Iron and steel scrap .....	—	—	—	90	11,622	57,679	69,391
29	Non-ferrous metal scrap .....	—	—	189	312	2,936	1,396	4,833
30	Slags, drosses and other by-products .....	19,875	—	—	—	11,851	—	31,726
31	Coal, bituminous .....	852	—	—	—	—	—	852
32	Natural asphalt (gilsonite) .....	—	—	67	—	—	—	67
33	Clay and bentonite .....	—	—	2	—	1,620	—	1,622
34	Salt .....	162,746	—	—	—	—	—	162,746
35	Waste and scrap materials, n.e.s. ....	—	—	146	4	1,906	201	2,257
36	Crude materials, inedible, n.e.s. ....	—	—	387	156	83	40	666
37	<b>Totals</b> .....	<b>411,083</b>	<b>—</b>	<b>31,138</b>	<b>617</b>	<b>80,281</b>	<b>61,035</b>	<b>584,134</b>
	Fabricated materials, inedible:							
38	Fish and animal oils .....	—	—	1,847	—	446	—	2,293
39	Soyabean oil .....	—	—	20,412	—	—	—	20,412
40	Oils, fats, waxes, n.e.s. ....	—	—	1,080	355	6	—	1,441
41	Chemicals .....	11,021	—	6,892	1,954	12,084	709	32,660
42	Rubber, synthetic and reclaimed .....	—	306	2,716	1,222	14,582	1,030	19,856
43	Chemical products, n.e.s. ....	21,975	1,110	12,983	829	9,582	2,164	48,643
44	Gasoline .....	51,940	—	—	—	—	—	51,940
45	Fuel oil .....	10,828	—	—	—	—	—	10,828
46	Lubricating oils and greases .....	5,496	—	3,829	—	2,316	—	11,641
47	Coke .....	—	—	3,006	—	18,794	—	21,800
48	Tar, pitch and creosote .....	18,880	—	—	—	—	—	18,880
49	Petroleum and coal products, n.e.s. ....	3,418	—	555	—	42	38	4,053
50	Pig iron .....	—	—	—	—	—	—	—
51	Iron and steel: ingot, billet, rod, etc. ....	—	—	6,747	273	16,858	1,798	25,676
52	Steel: plate, sheet and strip .....	5,436	—	18,767	9,865	27,600	11,069	72,737
53	Structural shapes and sheet piling .....	2,210	—	2,444	3,402	1,942	10,106	20,104
54	Iron and steel: wire and wire rope .....	—	27	22,075	82	25,948	185	48,317
55	Iron and steel, n.e.s. ....	—	—	61	307	330	—	698
56	Non-ferrous metals and alloys .....	—	—	2,100	200	4,551	617	7,468
57	Building bricks, clay .....	—	—	2	187	—	—	189
58	Miscellaneous fabricated materials, n.e.s. ....	5,160	5,476	7,029	2,852	4,862	352	25,731
59	<b>Totals</b> .....	<b>136,364</b>	<b>6,819</b>	<b>112,545</b>	<b>21,528</b>	<b>139,943</b>	<b>28,068</b>	<b>445,367</b>
	End products, inedible:							
60	Machinery, equipment and parts .....	—	—	2,483	1,082	2,084	633	6,282
61	Motor vehicles .....	—	—	192	30	151	89	462
62	Motor vehicles parts .....	—	—	47	14	716	57	834
63	End products, inedible, n.e.s. ....	—	—	1,422	423	1,027	640	3,512
64	<b>Totals</b> .....	<b>—</b>	<b>—</b>	<b>4,144</b>	<b>1,540</b>	<b>3,978</b>	<b>1,419</b>	<b>11,090</b>
65	Miscellaneous freight, n.e.s. ....	114	—	1,956	1,493	2,050	422	6,035
66	Domestic package freight .....	383,762	—	—	—	—	—	383,762
67	In transit freight .....	..	..	..	..	..	..	..
68	<b>Grand totals — Downbound</b> .....	<b>5,455,664</b>	<b>6,819</b>	<b>569,623</b>	<b>29,591</b>	<b>430,884</b>	<b>124,345</b>	<b>6,617,026</b>

<sup>1</sup> Excludes non toll traffic using Lachine and Cornwall canals only.



TABLE 14 B. Commodities Carried Downbound on the St. Lawrence Section of the Seaway by Country of Loading and Unloading<sup>1</sup>

Canada	United States to						Grand total	No.
	United States	United Kingdom	Other British Commonwealth	Other Europe	Other countries	Total		
								tons
—	—	7,207	2,378	21,427	378	31,390	32,677	1
87,894	—	—	19,329	31,822	44,225	95,376	101,687	2
1,177,682	—	31,764	—	564,150	9,060	692,868	1,081,479	3
6,735	—	396,640	—	569,747	11	2,144,080	2,194,136	4
—	—	3,845	—	414,569	—	425,149	674,757	5
—	—	11,136	—	255,756	—	266,892	397,817	6
523,087	—	59,315	—	248,520	79,124	910,046	4,889,510	7
—	—	—	—	2,853	10	2,863	3,817	8
—	—	323	9,744	5,467	53,951	69,485	69,485	9
—	—	—	—	—	508	508	51,417	10
—	—	1,188	9,164	61,732	129,547	201,631	252,802	11
—	—	2,050	306	4,782	3,304	10,442	11,858	12
20,673	1,007	33,374	5,338	20,517	18,687	99,596	127,707	13
—	—	56,684	10	4,615	2,251	63,560	63,562	14
2,277	—	1,120	—	34,414	—	37,811	190,831	15
2,096	—	487	319	173,838	2,194	178,934	246,504	16
13	19	5,254	805	18,226	8,873	33,190	60,413	17
<b>1,820,457</b>	<b>1,026</b>	<b>610,387</b>	<b>47,393</b>	<b>2,432,435</b>	<b>352,123</b>	<b>5,263,821</b>	<b>10,450,459</b>	<b>18</b>
12	—	321	28	34,415	2,954	37,730	50,690	19
—	—	75	—	1,121	6	1,202	1,383	20
—	—	26	—	1,559	110	1,695	3,171	21
22,574	—	—	—	83,858	—	106,432	312,092	22
279,144	—	34,556	—	368,708	54,722	737,130	806,776	23
—	—	100	—	7,381	220	7,701	9,217	24
15,434	—	60,881	—	—	—	76,315	76,315	25
—	—	—	—	64	836	900	1,401	27
—	—	—	224	147,853	47,656	195,733	265,124	28
—	—	469	1,007	8,857	1,232	11,565	16,398	29
—	—	1,028	—	651	—	1,679	33,405	30
545,595	—	—	—	30	—	545,625	546,477	31
—	—	2,842	—	7,117	33	9,992	10,059	32
51,319	—	6,978	237	5,229	21	63,784	65,406	33
7,300	—	—	—	—	—	7,300	170,046	34
—	—	55	51	5,662	810	6,578	8,835	35
—	—	1,869	19	8,064	164	10,116	10,782	36
<b>921,378</b>	<b>—</b>	<b>109,200</b>	<b>1,566</b>	<b>680,569</b>	<b>108,764</b>	<b>1,821,477</b>	<b>2,405,611</b>	<b>37</b>
—	—	4,565	311	77,540	8,369	90,785	93,076	38
—	—	—	8,534	6,260	370	15,164	35,576	39
—	—	1,170	14	14,185	3,435	18,804	20,245	40
19,462	—	3,166	2,669	16,811	2,018	44,126	76,786	41
—	—	126	75	2,641	160	3,002	22,858	42
3,484	10,952	4,850	12,269	18,585	3,833	53,973	102,616	43
—	—	—	—	—	—	—	51,940	44
—	83,950	—	—	—	—	83,950	94,778	45
8,238	—	297	32	6,585	283	15,435	27,076	46
167,253	—	31	—	13,578	—	180,862	202,662	47
25,277	—	—	—	—	—	25,277	44,157	48
—	—	1,490	99	2,436	905	4,930	8,983	49
3,018	—	—	4,733	34,088	16,809	58,648	58,648	50
—	—	397	9,694	411	910	11,412	37,088	51
—	—	158	77,536	3,986	28,274	109,954	182,691	52
—	—	3	8,891	872	559	10,325	30,429	53
—	—	141	223	45	74	483	48,800	54
—	—	311	1,958	667	450	3,386	4,084	55
—	—	3,136	5,541	5,907	3,757	18,341	25,809	56
—	—	—	1,264	1,025	135	2,424	2,613	57
61	34	2,796	755	9,403	1,251	14,300	40,031	58
<b>226,793</b>	<b>94,936</b>	<b>22,637</b>	<b>134,598</b>	<b>215,025</b>	<b>71,592</b>	<b>765,581</b>	<b>1,210,948</b>	<b>59</b>
3	—	8,246	9,221	52,903	16,284	86,657	92,939	60
—	—	248	10,966	13,856	6,550	31,620	32,082	61
—	—	723	4,492	8,014	10,821	24,050	24,884	62
—	—	484	1,893	3,585	1,660	7,622	11,134	63
3	—	<b>9,701</b>	<b>26,572</b>	<b>78,358</b>	<b>35,315</b>	<b>149,949</b>	<b>161,039</b>	<b>64</b>
17,105	3	5,497	1,268	49,038	1,428	74,339	80,374	65
—	—	—	—	—	—	—	383,762	66
..	..	..	..	..	..	..	28,740	67
<b>2,985,736</b>	<b>95,965</b>	<b>757,422</b>	<b>211,397</b>	<b>3,455,425</b>	<b>569,222</b>	<b>8,075,167</b>	<b>14,720,933</b>	<b>68</b>

## WELLAND CANAL

TABLE 15. Location and Description

	From	To	Length of channel  miles	Locks			
				Number	Minimum dimensions		
					Length	Width	Depth
					feet		
Welland canal .....	Port Weller .....	Port Colborne, Ont .....	27.6	8	859	80	30

TABLE 16. Historical Summary, 1953-62

Registry of vessel	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Vessel transits										
Upbound:										
Canada .....	3,598	3,140	3,260	3,366	3,195	3,007	2,604	2,446	2,356	2,114
United States .....	907	900	1,094	985	991	852	789	664	508	639
United Kingdom <sup>1</sup> .....	..	..	31	41	44	57	226	261	440	477
Other foreign .....	283	262	312	324	372	489	727	765	800	805
<b>Totals .....</b>	<b>4,788</b>	<b>4,302</b>	<b>4,897</b>	<b>4,716</b>	<b>4,602</b>	<b>4,405</b>	<b>4,346</b>	<b>4,136</b>	<b>4,104</b>	<b>4,035</b>
Downbound:										
Canada .....	3,462	3,080	3,245	3,298	3,191	2,978	2,554	2,362	2,296	2,048
United States .....	854	836	1,053	985	953	815	778	631	543	651
United Kingdom <sup>1</sup> .....	..	..	33	40	42	53	242	269	443	473
Other foreign .....	268	261	306	321	366	485	729	771	819	829
<b>Totals .....</b>	<b>4,584</b>	<b>4,177</b>	<b>4,637</b>	<b>4,644</b>	<b>4,552</b>	<b>4,331</b>	<b>4,303</b>	<b>4,033</b>	<b>4,101</b>	<b>4,001</b>
<b>Grand totals .....</b>	<b>9,372</b>	<b>8,479</b>	<b>9,334</b>	<b>9,360</b>	<b>9,154</b>	<b>8,736</b>	<b>8,649</b>	<b>8,189</b>	<b>8,205</b>	<b>8,036</b>
Registered net tons										
Upbound:										
Canada .....	7,465,490	6,837,003	7,750,515	8,415,509	7,869,319	7,749,945	7,440,456	7,985,140	9,016,598	8,869,606
United States .....	1,442,241	1,393,178	1,539,429	1,439,363	1,530,133	1,255,100	1,363,458	1,081,348	773,615	1,302,764
United Kingdom <sup>1</sup> .....	..	..	21,080	28,840	29,235	36,774	724,092	916,379	1,763,584	1,961,284
Other foreign .....	214,824	217,187	259,013	275,406	314,429	411,234	1,574,929	2,014,373	2,287,643	2,540,868
<b>Totals .....</b>	<b>9,122,555</b>	<b>8,447,368</b>	<b>9,570,037</b>	<b>10,159,118</b>	<b>9,743,116</b>	<b>9,453,053</b>	<b>11,102,935</b>	<b>11,997,240</b>	<b>13,841,440</b>	<b>14,674,522</b>
Downbound:										
Canada .....	7,332,471	6,733,184	7,719,372	8,288,581	7,869,268	7,585,201	7,266,006	7,853,010	8,818,938	8,701,833
United States .....	1,359,253	1,349,538	1,495,689	1,460,322	1,523,621	1,251,542	1,409,253	1,078,933	821,354	1,271,856
United Kingdom <sup>1</sup> .....	..	..	22,968	28,067	28,166	34,047	755,799	926,891	1,702,171	1,920,027
Other foreign .....	205,485	217,603	251,551	270,682	307,547	403,892	1,582,943	2,051,355	2,375,972	2,614,527
<b>Totals .....</b>	<b>8,897,209</b>	<b>8,300,325</b>	<b>9,489,580</b>	<b>10,047,652</b>	<b>9,728,602</b>	<b>9,274,682</b>	<b>11,014,001</b>	<b>11,910,249</b>	<b>13,718,435</b>	<b>14,508,243</b>
<b>Grand totals .....</b>	<b>18,019,764</b>	<b>16,747,893</b>	<b>19,059,617</b>	<b>20,206,770</b>	<b>19,471,718</b>	<b>18,727,735</b>	<b>22,116,936</b>	<b>23,907,489</b>	<b>27,559,875</b>	<b>29,182,765</b>
Cargo tons										
Upbound:										
Canada .....	..	..	3,285,976	4,183,451	4,403,553	4,179,508	7,073,632	5,776,293	5,098,397	7,075,866
United States .....	..	..	687,670	566,891	465,645	433,776	894,109	855,226	539,217	1,079,748
United Kingdom <sup>1</sup> .....	..	..	25,573	32,756	16,832	34,970	562,631	791,772	1,126,378	1,437,571
Other foreign .....	..	..	260,773	286,214	254,642	357,333	1,066,194	976,432	880,660	1,323,185
<b>Totals .....</b>	<b>2,582,462</b>	<b>2,395,791</b>	<b>4,259,992</b>	<b>5,069,312</b>	<b>5,140,672</b>	<b>5,005,587</b>	<b>9,596,566</b>	<b>8,399,723</b>	<b>7,644,652</b>	<b>10,916,370</b>
Downbound:										
Canada .....	..	..	14,100,847	15,373,069	14,258,609	13,666,961	12,313,690	14,191,374	15,936,884	15,511,826
United States .....	..	..	2,201,827	2,294,298	2,605,432	2,124,193	1,835,374	1,338,914	1,261,462	1,767,181
United Kingdom <sup>1</sup> .....	..	..	16,503	32,028	35,615	43,477	1,119,736	1,610,708	2,579,610	3,099,075
Other foreign .....	..	..	314,403	297,554	332,210	433,976	2,640,658	3,740,018	3,981,762	4,216,157
<b>Totals .....</b>	<b>16,959,688</b>	<b>15,118,467</b>	<b>16,633,580</b>	<b>17,996,949</b>	<b>17,231,868</b>	<b>16,268,607</b>	<b>17,909,458</b>	<b>20,881,014</b>	<b>23,759,718</b>	<b>24,594,239</b>
<b>Grand totals .....</b>	<b>19,542,150</b>	<b>17,514,258</b>	<b>20,893,572</b>	<b>23,066,261</b>	<b>22,372,538</b>	<b>21,274,194</b>	<b>27,506,024</b>	<b>29,280,737</b>	<b>31,404,370</b>	<b>35,510,609</b>
Season of navigation										
First vessel passage ....	March 28	March 25	March 30	March 31	March 30	April 1	April 6	April 1	April 1	April 1
Last vessel passage ....	Dec. 20	Dec. 17	Dec. 17	Dec. 20	Dec. 18	Dec. 18	Dec. 15	Dec. 15	Dec. 15	Dec. 17

<sup>1</sup> Includes other British Commonwealth.



TABLE 17. Traffic on the Welland Section of the Seaway 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				
<b>Upbound:</b>							
Cargo .....	1,429	1,438	2,867	13,002,379	18,929,758	9,430,034	38
Passenger-cargo .....	13	65	78	222,282	379,820	118,806	1,558
Cargo-passenger .....	21	232	253	542,694	950,946	403,082	195
Scow, barge, etc. ....	17	3	20	12,521	12,521	1,797	—
Tug and scow <sup>1</sup> .....	187	200	387	207,351	233,781	222,975	—
Tanker .....	136	191	327	652,286	1,052,332	739,676	4
Tug or dredge .....	64	—	64	6,681	11,392	—	—
Naval or Government ..	38	—	38	28,314	34,813	—	—
All other types .....	1	—	1	14	14	—	—
<b>Totals .....</b>	<b>1,906</b>	<b>2,129</b>	<b>4,035</b>	<b>14,674,522</b>	<b>21,605,377</b>	<b>10,916,370</b>	<b>1,795</b>
<b>Downbound:</b>							
Cargo .....	276	2,547	2,823	12,811,483	18,702,956	22,371,981	35
Passenger-cargo .....	6	61	67	195,689	333,754	199,628	1,754
Cargo-passenger .....	3	259	262	567,062	994,761	782,798	235
Scow, barge, etc. ....	13	8	21	33,749	34,441	12,976	—
Tug and scow <sup>1</sup> .....	110	288	398	205,023	234,320	335,084	—
Tanker .....	131	199	330	665,015	1,077,836	891,772	—
Tug or dredge .....	56	—	56	5,570	9,622	—	—
Naval or Government ..	42	—	42	23,891	28,669	—	—
All other types .....	2	—	2	761	1,485	—	—
<b>Totals .....</b>	<b>639</b>	<b>3,362</b>	<b>4,001</b>	<b>14,508,243</b>	<b>21,417,844</b>	<b>24,594,239</b>	<b>2,024</b>
<b>Grand totals .....</b>	<b>2,545</b>	<b>5,491</b>	<b>8,036</b>	<b>29,182,765</b>	<b>43,023,221</b>	<b>35,510,609</b>	<b>3,819</b>

TABLE 18. Traffic on the Welland Section of the Seaway by Country of Registry of Vessel

Country of registry	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
	In ballast	With cargo	Total				
<b>Upbound:</b>							
Canada .....	1,133	981	2,114	8,869,606	12,441,504	7,075,866	—
United States .....	332	307	639	1,302,764	1,783,141	1,079,748	1,275
United Kingdom .....	127	150	277	1,108,686	1,824,687	584,527	21
Other British Commonwealth ..	81	119	200	852,588	1,261,638	853,044	—
Belgium .....	2	—	2	26,488	29,432	—	—
Denmark .....	5	4	9	5,592	11,333	2,315	—
Finland .....	2	17	19	13,471	25,599	17,257	—
France .....	6	31	37	148,176	261,872	109,146	—
Germany .....	26	185	211	476,063	793,907	344,001	64
Greece .....	60	12	72	375,688	573,869	47,591	—
Italy .....	20	16	36	128,579	222,536	44,222	13
Netherlands .....	3	66	69	153,896	270,828	126,215	335
Norway .....	33	127	160	503,955	897,014	313,965	44
Portugal .....	1	—	1	985	1,814	—	—
Sweden .....	14	59	73	163,595	301,350	75,068	23
Other Europe .....	13	17	30	143,767	237,635	84,695	14
Panama .....	7	3	10	34,813	56,872	20,137	—
Middle East .....	4	9	13	36,268	65,016	7,068	6
Other Asia .....	1	20	21	108,347	185,610	75,294	—
Liberia .....	36	6	42	221,195	359,720	56,191	—
<b>Totals .....</b>	<b>1,906</b>	<b>2,129</b>	<b>4,035</b>	<b>14,674,522</b>	<b>21,605,377</b>	<b>10,916,370</b>	<b>1,795</b>
<b>Downbound:</b>							
Canada .....	370	1,678	2,048	8,701,833	12,217,074	15,511,826	6
United States .....	150	501	651	1,271,856	1,752,524	1,767,181	1,427
United Kingdom .....	32	260	292	1,153,944	1,893,315	2,010,258	35
Other British Commonwealth ..	69	112	181	766,083	1,146,517	1,088,517	—
Belgium .....	—	2	2	26,488	29,432	31,958	—
Denmark .....	4	5	9	5,592	11,332	7,117	—
Finland .....	1	17	18	10,850	22,230	12,251	—
France .....	1	37	38	149,119	263,714	254,026	—
Germany .....	3	219	219	489,083	819,736	711,504	56
Greece .....	—	76	76	399,113	611,062	712,172	—
Italy .....	1	39	40	142,348	244,017	262,987	16
Netherlands .....	—	73	73	164,942	291,668	227,844	381
Norway .....	5	161	166	518,365	923,675	927,114	54
Portugal .....	—	1	1	985	1,814	2,822	—
Sweden .....	—	74	74	162,716	300,241	212,073	18
Other Europe .....	1	26	29	146,012	240,210	225,251	19
Panama .....	—	9	9	29,638	49,750	75,854	—
Middle East .....	—	12	12	36,724	62,648	69,734	12
Other Asia .....	—	21	21	106,480	183,329	73,368	—
Liberia .....	2	40	42	226,072	353,536	410,082	—
<b>Totals .....</b>	<b>639</b>	<b>3,362</b>	<b>4,001</b>	<b>14,508,243</b>	<b>21,417,844</b>	<b>24,594,239</b>	<b>2,024</b>
<b>Grand totals .....</b>	<b>2,545</b>	<b>5,491</b>	<b>8,036</b>	<b>29,182,765</b>	<b>43,023,221</b>	<b>35,510,609</b>	<b>3,819</b>

<sup>1</sup> Assessed as one unit

TABLE 19. Traffic on the Welland Section of the Seaway 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				
<b>Upbound:</b>							
Under 80 feet.....	54	—	54	3,191	4,827	—	—
80 to 119 feet.....	89	3	92	15,210	20,611	2,000	—
120 " 159 ".....	34	25	59	17,235	23,600	15,865	—
160 " 199 ".....	17	27	44	14,515	25,347	25,549	—
200 " 239 ".....	114	210	324	197,396	227,115	228,190	—
240 " 279 ".....	292	460	752	1,002,968	1,560,067	1,074,805	9
280 " 319 ".....	59	158	217	302,088	478,141	348,428	194
320 " 359 ".....	67	192	259	571,217	859,079	688,408	1,104
360 " 399 ".....	70	159	229	516,193	845,075	409,642	70
400 " 439 ".....	180	224	404	1,233,856	1,933,037	800,366	38
440 " 479 ".....	233	198	431	1,682,869	2,759,318	665,386	353
480 " 519 ".....	174	135	309	1,590,864	2,466,674	696,227	27
520 " 559 ".....	108	107	215	1,211,872	1,756,990	1,075,282	—
560 " 599 ".....	49	23	72	495,550	715,788	304,458	—
600 " 639 ".....	137	53	190	1,464,644	2,070,370	843,899	—
640 " 679 ".....	73	32	105	967,998	1,325,255	684,721	—
680 " 759 ".....	156	123	279	3,386,856	4,534,083	3,053,144	—
<b>Totals.....</b>	<b>1,908</b>	<b>2,129</b>	<b>4,035</b>	<b>14,674,522</b>	<b>21,605,377</b>	<b>10,916,370</b>	<b>1,795</b>
<b>Downbound:</b>							
Under 80 feet.....	45	1	46	5,199	8,954	19,959	—
80 to 119 feet.....	86	9	95	12,318	17,795	5,564	—
120 " 159 ".....	44	24	68	19,117	26,186	11,037	—
160 " 199 ".....	35	6	41	13,914	24,336	4,258	—
200 " 239 ".....	35	289	324	197,629	227,772	344,792	—
240 " 279 ".....	128	602	730	961,460	1,508,293	1,591,907	5
280 " 319 ".....	24	202	226	309,001	494,656	513,158	269
320 " 359 ".....	58	202	260	563,700	862,637	878,311	1,175
360 " 399 ".....	18	196	214	482,647	792,642	723,135	88
400 " 439 ".....	61	348	409	1,231,036	1,930,375	1,872,329	35
440 " 479 ".....	6	431	437	1,716,318	2,616,506	2,890,969	428
480 " 519 ".....	12	293	305	1,579,307	2,457,381	2,583,188	23
520 " 559 ".....	33	173	206	1,156,669	1,686,145	1,791,976	1
560 " 599 ".....	2	68	70	486,793	690,532	852,231	—
600 " 639 ".....	7	183	190	1,468,416	2,078,317	2,911,575	—
640 " 679 ".....	9	95	104	960,751	1,313,695	1,842,835	—
680 " 759 ".....	36	240	276	3,343,968	4,481,622	5,757,015	—
<b>Totals.....</b>	<b>639</b>	<b>3,362</b>	<b>4,001</b>	<b>14,508,243</b>	<b>21,417,844</b>	<b>24,594,239</b>	<b>2,024</b>
<b>Grand totals.....</b>	<b>2,545</b>	<b>5,491</b>	<b>8,036</b>	<b>29,182,765</b>	<b>43,023,221</b>	<b>35,510,609</b>	<b>3,819</b>

TABLE 20 A. Number and Tonnage of Vessels Upbound on the Welland Section of the Seaway by Origin and Destination

Port of origin and country of registry	Destined to						Total		
	Canada			United States			Number of vessels	Registered net tons	Gross tons
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons			
<b>Originating at ports on Lake Ontario:</b>									
<b>Registry:</b>									
Canada.....	521	1,245,657	1,822,432	577	3,148,943	4,341,364	1,098	4,394,600	6,163,796
United States.....	16	34,726	43,631	254	654,499	870,934	270	689,225	914,565
United Kingdom.....	8	40,530	61,121	48	231,090	341,614	56	271,620	402,735
Other British Commonwealth.....	34	136,062	193,198	128	552,461	814,608	162	688,523	1,007,806
Denmark.....	1	560	1,109	1	582	1,110	2	1,142	2,219
Finland.....	—	—	—	1	1,145	2,472	1	1,145	2,472
Germany.....	—	—	—	4	17,148	25,690	4	17,148	25,690
Greece.....	1	6,301	10,448	4	21,655	32,873	5	27,956	43,321
Norway.....	—	—	—	1	1,215	2,483	1	1,215	2,483
Sweden.....	—	—	—	2	4,009	7,465	2	4,009	7,465
Other Europe.....	—	—	—	1	4,193	6,151	1	4,193	6,151
<b>Totals.....</b>	<b>581</b>	<b>1,463,836</b>	<b>2,131,939</b>	<b>1,021</b>	<b>4,636,940</b>	<b>6,446,764</b>	<b>1,602</b>	<b>6,100,776</b>	<b>8,576,703</b>
<b>Originating at ports on the St. Lawrence river:</b>									
<b>Registry:</b>									
Canada.....	433	1,520,976	2,205,807	578	2,934,964	4,040,800	1,011	4,455,940	6,246,607
United States.....	2	14,612	20,684	46	193,285	276,036	48	207,897	296,722
United Kingdom.....	4	20,877	32,152	46	234,250	357,364	50	255,127	389,516
Other British Commonwealth.....	19	72,296	110,152	19	91,769	143,680	38	164,065	253,833
France.....	—	—	—	4	33,635	57,684	4	33,635	57,684
Greece.....	1	4,411	7,214	10	60,736	90,948	11	65,147	98,163
Italy.....	—	—	—	4	12,668	21,839	4	12,668	21,839
Netherlands.....	—	—	—	1	3,170	5,574	1	3,170	5,574
Norway.....	—	—	—	6	32,582	60,118	6	32,582	60,118
Other Europe.....	—	—	—	5	46,830	70,560	5	46,830	70,560
Panama.....	—	—	—	2	5,384	9,270	2	5,384	9,270
Middle East.....	—	—	—	3	17,800	28,300	3	17,800	28,300
Liberia.....	2	7,663	12,107	3	14,853	24,004	5	22,536	36,111
<b>Totals.....</b>	<b>461</b>	<b>1,640,855</b>	<b>2,388,116</b>	<b>727</b>	<b>3,681,926</b>	<b>5,186,179</b>	<b>1,188</b>	<b>5,322,781</b>	<b>7,574,295</b>



TABLE 20 A. Number and Tonnage of Vessels Upbound on the Welland Section of the Seaway by Origin and Destination - Concluded

Port of origin and country of registry	Destined to						Total		
	Canada			United States			Number of vessels	Registered net tons	Gross tons
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons			
Originating at ports outside the Gulf of St. Lawrence:									
Registry:									
Canada	3	13,976	22,581	2	5,090	8,520	5	19,066	31,101
United States	5	2,696	2,874	318	402,946	568,980	321	405,842	571,854
United Kingdom	23	81,293	138,247	148	500,646	894,189	171	581,939	1,032,438
Belgium	—	—	—	2	26,468	29,432	2	26,468	28,432
Denmark	4	748	2,000	3	3,702	7,114	7	4,450	9,114
Finland	1	672	1,397	17	11,654	21,730	16	12,326	23,127
France	—	—	—	33	114,541	204,188	33	114,541	204,188
Germany	7	15,517	23,719	200	443,398	744,498	207	458,915	766,217
Greece	3	18,090	27,067	53	264,495	405,319	56	282,585	432,386
Italy	—	—	—	32	115,911	200,697	32	115,911	200,697
Netherlands	5	15,984	28,040	63	134,742	237,214	68	150,726	285,254
Norway	6	27,559	47,156	147	442,599	787,257	153	470,158	834,413
Portugal	—	—	—	1	985	1,814	1	985	1,814
Sweden	2	8,051	15,115	69	151,535	276,770	71	159,596	293,885
Other Europe	5	17,606	32,160	19	75,138	128,764	24	92,744	160,924
Panama	2	7,460	11,827	6	21,969	35,775	8	29,429	47,602
Middle East	—	—	—	10	18,468	36,716	10	18,468	36,716
Other Asia	—	—	—	21	108,347	185,610	21	108,347	185,610
Liberia	6	21,392	34,395	31	177,267	289,214	37	198,659	323,609
<b>Totals</b>	<b>72</b>	<b>231,044</b>	<b>386,578</b>	<b>1,173</b>	<b>3,019,921</b>	<b>5,065,801</b>	<b>1,245</b>	<b>3,250,965</b>	<b>5,452,379</b>
<b>Grand totals - Upbound</b>	<b>1,114</b>	<b>3,335,735</b>	<b>4,906,633</b>	<b>2,921</b>	<b>11,338,787</b>	<b>16,698,744</b>	<b>4,035</b>	<b>14,674,522</b>	<b>21,605,377</b>

TABLE 20 B. Number and Tonnage of Vessels Downbound on the Welland Section of the Seaway by Origin and Destination

Port of destination and country of registry	Originating in						Total		
	Canada			United States			Number of vessels	Registered net tons	Gross tons
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons			
Destined to ports on Lake Ontario:									
Registry:									
Canada	549	1,318,610	1,945,708	562	3,545,434	4,853,691	1,111	4,864,044	6,799,399
United States	10	40,988	51,838	266	628,333	851,807	276	669,321	903,745
United Kingdom	1	1,706	3,596	53	262,740	372,744	54	264,446	378,340
Other British Commonwealth	26	93,283	141,308	117	519,140	763,704	145	612,423	905,012
Finland	—	—	—	1	1,145	2,472	1	1,145	2,472
Germany	—	—	—	1	1,142	1,653	1	1,142	1,653
Greece	—	—	—	1	6,353	8,371	1	6,353	8,371
Sweden	—	—	—	2	4,009	7,465	2	4,009	7,465
<b>Totals</b>	<b>586</b>	<b>1,454,587</b>	<b>2,142,450</b>	<b>1,003</b>	<b>4,968,296</b>	<b>8,862,007</b>	<b>1,591</b>	<b>6,422,893</b>	<b>9,004,457</b>
Destined to ports on the St. Lawrence River:									
Registry:									
Canada	514	2,252,373	3,188,069	405	1,539,675	2,155,727	919	3,792,048	5,343,796
United States	1	8,564	14,189	55	190,972	267,663	56	200,536	281,852
United Kingdom	7	54,392	78,918	20	70,908	107,266	27	125,300	186,184
Other British Commonwealth	12	40,073	64,713	22	97,963	151,845	34	138,036	218,558
Italy	—	—	—	1	4,605	6,030	1	4,605	6,030
Netherlands	—	—	—	1	3,170	5,674	1	3,170	5,674
Norway	—	—	—	2	2,193	4,074	2	2,193	4,074
Sweden	—	—	—	1	6,794	10,137	1	6,794	10,137
Liberia	—	—	—	1	4,658	8,197	1	4,658	8,197
<b>Totals</b>	<b>534</b>	<b>2,356,402</b>	<b>3,345,689</b>	<b>506</b>	<b>1,820,938</b>	<b>2,716,513</b>	<b>1,042</b>	<b>4,277,340</b>	<b>6,062,402</b>
Destined to ports outside the Gulf of St. Lawrence:									
Registry:									
Canada	16	39,735	63,132	2	6,006	10,747	18	45,741	73,879
United States	10	6,552	7,730	309	395,447	559,197	319	401,999	566,927
United Kingdom	44	138,729	243,143	167	625,469	1,087,648	211	764,198	1,330,791
Other British Commonwealth	—	—	—	2	15,624	24,947	2	15,624	24,947
Belgium	—	—	—	2	26,468	29,432	2	26,468	29,432
Denmark	5	1,308	3,108	4	4,284	8,224	9	5,592	11,332
Finland	—	—	—	17	9,705	19,758	17	9,705	19,758
France	3	12,639	21,636	35	136,480	242,078	38	149,119	263,714
Germany	14	31,078	49,733	204	456,863	768,350	218	487,941	818,063
Greece	7	40,243	63,513	68	352,517	539,178	75	392,760	602,691
Italy	1	4,263	6,953	38	133,480	231,034	39	137,743	237,987
Netherlands	9	19,711	35,093	63	142,061	251,021	72	161,772	288,114
Norway	6	15,158	28,916	158	501,014	890,665	164	516,172	919,601
Portugal	—	—	—	1	985	1,814	1	985	1,814
Sweden	3	11,291	21,279	66	140,622	261,360	71	151,913	262,639
Other Europe	4	12,160	23,138	25	133,852	217,072	29	146,012	240,210
Panama	1	2,969	4,595	8	26,669	45,155	9	29,638	49,750
Middle East	—	—	—	12	36,724	62,848	12	36,724	62,848
Other Asia	—	—	—	21	106,480	183,329	21	106,480	183,329
Liberia	9	33,593	53,739	32	187,621	291,800	41	221,414	345,339
<b>Totals</b>	<b>132</b>	<b>368,429</b>	<b>625,708</b>	<b>1,236</b>	<b>3,438,591</b>	<b>5,725,277</b>	<b>1,368</b>	<b>3,808,020</b>	<b>6,350,985</b>
<b>Grand totals - Downbound</b>	<b>1,254</b>	<b>4,180,415</b>	<b>6,114,047</b>	<b>2,747</b>	<b>10,327,825</b>	<b>15,303,797</b>	<b>4,001</b>	<b>14,508,243</b>	<b>21,417,844</b>

TABLE 21. Number and Tonnage of Vessels Using the Welland Section of the Seaway by Registry and Rig

Country of registry	Steam			Motor			Other			Total		
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Upbound:</b>												
Canada .....	1,466	7,633,732	10,718,740	586	1,221,508	1,705,291	62	14,366	17,473	2,114	8,869,608	12,441,504
United States .....	193	965,008	1,363,402	105	133,712	192,457	341	204,044	227,282	639	1,302,764	1,783,141
United Kingdom .....	125	550,625	850,057	148	556,599	973,083	4	1,462	1,547	277	1,108,686	1,824,687
Other British Commonwealth .....	198	836,964	1,238,691	2	15,624	24,947	—	—	—	200	852,588	1,261,638
Belgium .....	1	13,244	14,716	1	13,244	14,716	—	—	—	2	26,488	29,432
Denmark .....	—	—	—	9	5,592	11,333	—	—	—	9	5,592	11,333
Finland .....	11	9,964	19,607	8	3,507	5,992	—	—	—	19	13,471	25,599
France .....	8	31,347	54,121	29	116,829	207,751	—	—	—	37	148,176	261,872
Germany .....	4	9,222	16,977	207	466,841	776,930	—	—	—	211	476,063	793,907
Greece .....	55	294,302	444,342	17	81,386	129,527	—	—	—	72	375,668	573,869
Italy .....	12	53,883	88,732	24	74,896	133,804	—	—	—	36	128,579	222,538
Netherlands .....	2	9,320	15,992	67	144,576	254,836	—	—	—	69	153,896	270,828
Norway .....	8	26,633	47,056	152	477,322	849,958	—	—	—	160	503,955	897,014
Portugal .....	—	—	—	1	985	1,814	—	—	—	1	985	1,814
Sweden .....	1	4,469	8,303	72	159,126	293,047	—	—	—	73	163,595	301,350
Other Europe .....	3	14,727	25,051	27	129,040	212,584	—	—	—	30	143,767	237,835
Panama .....	7	22,998	38,875	3	11,815	18,197	—	—	—	10	34,813	56,872
Middle East .....	1	5,900	9,400	12	30,368	55,616	—	—	—	13	36,268	65,016
Other Asia .....	—	—	—	21	108,347	185,610	—	—	—	21	108,347	185,610
Liberia .....	19	89,376	143,573	23	131,819	216,147	—	—	—	42	221,195	359,720
<b>Totals .....</b>	<b>2,114</b>	<b>10,571,714</b>	<b>15,095,435</b>	<b>1,514</b>	<b>3,882,936</b>	<b>6,263,640</b>	<b>407</b>	<b>219,872</b>	<b>246,302</b>	<b>4,035</b>	<b>14,674,522</b>	<b>21,605,377</b>
<b>Downbound:</b>												
Canada .....	1,449	7,579,831	10,654,849	530	1,112,427	1,548,543	69	9,575	13,682	2,048	8,701,833	12,217,074
United States .....	184	907,072	1,294,028	121	154,440	222,498	346	210,344	235,998	651	1,271,856	1,752,524
United Kingdom .....	127	554,389	861,374	161	580,702	1,012,860	4	16,853	19,081	292	1,153,944	1,893,315
Other British Commonwealth .....	179	750,459	1,121,570	2	15,624	24,947	—	—	—	181	766,063	1,146,517
Belgium .....	—	—	—	2	26,468	29,432	—	—	—	2	26,468	29,432
Denmark .....	—	—	—	9	5,592	11,332	—	—	—	9	5,592	11,332
Finland .....	10	8,626	18,238	8	2,224	3,992	—	—	—	18	10,850	22,230
France .....	7	29,428	50,851	31	119,691	213,063	—	—	—	38	149,119	263,714
Germany .....	7	18,931	29,744	212	470,152	789,992	—	—	—	219	489,063	819,736
Greece .....	56	304,756	455,314	20	94,357	155,748	—	—	—	76	399,113	611,062
Italy .....	14	62,751	101,715	26	79,597	142,302	—	—	—	40	142,348	244,017
Netherlands .....	3	13,818	23,648	70	151,124	268,040	—	—	—	73	164,942	291,688
Norway .....	4	8,787	15,793	162	509,598	907,882	—	—	—	166	518,365	923,875
Portugal .....	—	—	—	1	985	1,814	—	—	—	1	985	1,814
Sweden .....	1	3,636	6,568	73	159,080	293,675	—	—	—	74	162,716	300,241
Other Europe .....	2	9,152	16,038	27	136,660	224,172	—	—	—	29	146,012	240,210
Panama .....	6	17,238	29,357	3	12,400	20,393	—	—	—	9	29,638	49,750
Middle East .....	1	5,900	9,400	11	30,824	53,248	—	—	—	12	38,724	62,648
Other Asia .....	—	—	—	21	106,480	183,329	—	—	—	21	106,480	183,329
Liberia .....	16	69,531	112,071	26	156,541	241,465	—	—	—	42	228,072	353,536
<b>Totals .....</b>	<b>2,066</b>	<b>10,344,285</b>	<b>14,800,356</b>	<b>1,516</b>	<b>3,925,186</b>	<b>6,348,727</b>	<b>419</b>	<b>238,772</b>	<b>268,761</b>	<b>4,001</b>	<b>14,508,243</b>	<b>21,417,844</b>
<b>Grand totals .....</b>	<b>4,180</b>	<b>20,515,999</b>	<b>29,895,791</b>	<b>3,030</b>	<b>7,808,122</b>	<b>12,612,367</b>	<b>826</b>	<b>458,644</b>	<b>515,063</b>	<b>8,036</b>	<b>29,182,765</b>	<b>43,023,221</b>



TABLE 22. Number and Tonnage of Vessels Using the Welland Section of the Seaway by Kind and Length

Kind of vessel and length	Upbound			Downbound			Total		
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Cargo vessel:</b>									
Under 80 feet	—	—	—	1	3,346	5,555	1	3,346	5,555
120 to 159 feet	30	6,364	11,379	30	6,429	11,421	60	12,793	22,800
160 " 199 "	25	5,601	14,153	25	5,719	14,385	50	11,320	28,538
200 " 239 "	16	7,784	13,927	19	8,509	15,455	35	16,293	29,382
240 " 279 "	578	789,092	1,213,017	556	749,065	1,160,932	1,134	1,538,157	2,373,949
280 " 319 "	153	216,221	352,498	163	226,273	371,600	316	442,494	724,098
320 " 359 "	234	513,851	777,632	233	503,986	775,087	467	1,017,837	1,552,719
360 " 399 "	210	472,315	767,821	196	439,402	717,529	406	911,717	1,485,350
400 " 439 "	396	1,203,118	1,891,895	391	1,187,336	1,875,474	787	2,390,454	3,767,369
440 " 479 "	423	1,655,965	2,715,774	428	1,685,346	2,768,834	851	3,341,311	5,484,608
480 " 519 "	288	1,484,050	2,279,993	282	1,458,493	2,252,406	570	2,942,543	4,532,399
520 " 559 "	202	1,120,725	1,615,810	190	1,055,873	1,524,775	392	2,176,598	3,140,585
560 " 599 "	69	472,771	676,917	68	471,322	664,384	137	944,093	1,341,301
600 " 639 "	190	1,464,644	2,070,370	190	1,468,416	2,078,317	380	2,933,060	4,148,687
640 " 679 "	105	967,998	1,325,255	104	960,751	1,313,695	209	1,928,749	2,638,950
680 " 759 "	279	3,386,856	4,534,083	276	3,343,968	4,481,622	555	6,730,824	9,015,705
<b>Totals</b>	<b>3,198</b>	<b>13,767,355</b>	<b>20,260,524</b>	<b>3,152</b>	<b>13,574,234</b>	<b>20,031,471</b>	<b>6,350</b>	<b>27,341,589</b>	<b>40,291,995</b>
<b>Barge or scow:</b>									
Under 80 feet	—	—	—	1	45	45	1	45	45
80 to 119 feet	7	2,717	2,717	3	1,293	1,293	10	4,010	4,010
120 " 159 "	6	2,486	2,486	1	277	277	7	2,763	2,763
160 " 199 "	2	1,427	1,427	2	1,371	1,371	4	2,798	2,798
200 " 239 "	4	5,099	5,099	7	6,846	7,153	11	11,945	12,252
240 " 279 "	1	792	792	3	5,064	5,221	4	5,856	6,013
360 " 399 "	—	—	—	1	3,899	3,899	1	3,899	3,899
400 " 439 "	—	—	—	1	4,614	4,628	1	4,614	4,628
440 " 479 "	—	—	—	1	4,068	4,128	1	4,068	4,128
480 " 519 "	—	—	—	1	6,272	6,426	1	6,272	6,426
<b>Totals</b>	<b>20</b>	<b>12,521</b>	<b>12,521</b>	<b>21</b>	<b>33,749</b>	<b>34,441</b>	<b>41</b>	<b>46,270</b>	<b>46,962</b>
<b>Tug and scow<sup>1</sup></b>									
Under 80 feet	12	1,600	1,987	10	409	801	22	2,009	2,788
80 to 119 feet	53	8,469	11,559	60	7,370	11,166	113	15,839	22,725
120 " 159 "	6	1,466	1,910	16	4,737	5,305	22	6,203	7,215
160 " 199 "	12	4,936	5,375	10	4,195	4,762	22	9,131	10,137
200 " 239 "	300	183,497	205,393	292	178,354	199,734	592	361,851	405,127
240 " 279 "	4	7,363	7,557	—	—	—	4	7,383	7,557
400 " 439 "	—	—	—	8	5,048	5,631	8	5,048	5,631
520 " 559 "	—	—	—	2	4,910	6,921	2	4,910	6,921
<b>Totals</b>	<b>387</b>	<b>207,351</b>	<b>233,781</b>	<b>398</b>	<b>205,023</b>	<b>234,320</b>	<b>785</b>	<b>412,374</b>	<b>468,101</b>
<b>Tanker:</b>									
200 to 239 feet	3	561	1,500	3	1,652	2,278	6	2,213	3,778
240 " 279 "	168	204,396	336,941	169	205,374	339,126	337	409,770	676,067
280 " 319 "	61	79,547	119,123	61	79,588	118,336	122	159,135	237,459
320 " 359 "	25	57,366	81,447	27	59,714	87,550	52	117,080	168,997
360 " 399 "	19	43,878	77,254	17	39,346	71,214	36	83,224	148,468
400 " 439 "	7	26,538	36,642	7	26,538	36,642	14	53,076	73,284
440 " 479 "	8	26,904	43,544	8	26,904	43,544	16	53,808	87,088
480 " 519 "	21	106,814	186,681	22	114,542	198,549	43	221,358	385,230
520 " 559 "	12	83,503	130,329	14	95,886	154,449	26	179,389	284,778
560 " 599 "	3	22,779	38,871	2	15,471	26,148	5	38,250	65,019
<b>Totals</b>	<b>327</b>	<b>652,286</b>	<b>1,052,332</b>	<b>330</b>	<b>665,015</b>	<b>1,077,836</b>	<b>657</b>	<b>1,317,301</b>	<b>2,130,166</b>
<b>Tug or dredge:</b>									
Under 80 feet	32	1,252	2,429	29	1,153	2,245	61	2,405	4,674
80 to 119 feet	28	3,105	5,330	24	2,482	4,133	52	5,587	9,463
120 " 159 "	2	564	677	1	176	289	3	740	966
200 " 239 "	1	455	1,196	1	455	1,196	2	910	2,392
240 " 279 "	1	1,305	1,760	1	1,304	1,759	2	2,809	3,519
<b>Totals</b>	<b>64</b>	<b>6,681</b>	<b>11,392</b>	<b>56</b>	<b>5,570</b>	<b>9,622</b>	<b>120</b>	<b>12,251</b>	<b>21,014</b>
<b>Other vessels:</b>									
Under 80 feet	10	339	411	5	246	308	15	585	719
80 to 119 feet	4	919	1,005	8	1,173	1,203	12	2,092	2,206
120 " 159 "	15	6,355	7,148	20	7,498	8,894	35	13,853	16,042
160 " 199 "	5	2,551	4,392	4	2,629	3,818	9	5,180	8,210
200 " 239 "	—	—	—	2	1,813	1,956	2	1,813	1,956
240 " 279 "	—	—	—	1	653	1,255	1	653	1,255
280 " 319 "	3	6,320	6,520	2	3,140	4,720	5	9,460	11,240
400 " 439 "	1	4,200	4,500	2	7,500	8,000	3	11,700	12,500
520 " 559 "	1	7,644	10,851	—	—	—	1	7,644	10,851
<b>Totals</b>	<b>39</b>	<b>28,328</b>	<b>34,827</b>	<b>44</b>	<b>24,852</b>	<b>30,154</b>	<b>83</b>	<b>52,980</b>	<b>64,961</b>
<b>Grand totals</b>	<b>4,035</b>	<b>14,674,522</b>	<b>21,605,377</b>	<b>4,001</b>	<b>14,508,243</b>	<b>21,417,844</b>	<b>8,036</b>	<b>29,182,765</b>	<b>43,023,221</b>

<sup>1</sup> Assessed as one unit.

TABLE 23. Number and Tonnage of Vessels Using the Welland Section of the Seaway by Kind and Draft

Kind of vessel and draft	Upbound			Downbound			Total		
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Cargo vessel:</b>									
6 to 7 feet	4	2,562	3,894	—	—	—	4	2,562	3,894
8 " 9 "	5	4,649	6,785	2	1,316	1,910	7	5,965	8,695
10 " 11 "	24	22,171	32,525	22	19,004	27,234	46	41,175	59,759
12 " 13 "	59	68,252	103,846	38	35,067	52,146	97	103,319	155,992
14 " 15 "	154	232,996	349,293	126	134,107	205,775	280	367,103	555,068
16 " 17 "	238	403,243	610,789	227	343,444	514,537	465	746,687	1,125,326
18 " 19 "	492	955,281	1,444,772	489	931,870	1,429,596	981	1,867,151	2,874,368
20 " 21 "	791	2,859,970	4,150,452	746	2,603,621	3,801,133	1,537	5,463,591	7,951,585
22 " 23 "	327	1,271,854	1,891,026	335	1,327,016	1,964,342	662	2,598,870	3,855,368
24 " 25 "	480	3,138,402	4,613,779	520	3,246,368	4,793,318	1,000	6,384,770	9,407,097
26 " 27 "	374	3,438,577	4,790,340	379	3,435,775	4,796,433	753	6,874,352	9,586,773
28 " 29 "	123	600,370	1,007,390	128	619,821	1,039,094	251	1,220,191	2,046,484
30 feet and over	127	769,028	1,255,633	140	876,825	1,405,953	267	1,645,853	2,661,586
<b>Totals</b>	<b>3,198</b>	<b>13,767,355</b>	<b>20,260,524</b>	<b>3,152</b>	<b>13,574,234</b>	<b>20,031,471</b>	<b>6,350</b>	<b>27,341,589</b>	<b>40,291,995</b>
<b>Barge or scow:</b>									
5 feet and under	7	2,428	2,428	6	13,243	13,317	13	15,671	15,745
6 to 7 feet	3	1,560	1,560	—	—	—	3	1,560	1,560
8 " 9 "	3	1,430	1,430	2	1,371	1,371	5	2,801	2,801
10 " 11 "	3	2,004	2,004	4	8,224	8,527	7	10,228	10,531
12 " 13 "	—	—	—	3	1,943	2,101	3	1,943	2,101
14 " 15 "	4	5,099	5,099	3	3,904	3,904	7	9,003	9,003
16 " 17 "	—	—	—	1	1,440	1,466	1	1,440	1,466
20 " 21 "	—	—	—	2	3,624	3,755	2	3,624	3,755
<b>Totals</b>	<b>20</b>	<b>12,521</b>	<b>12,521</b>	<b>21</b>	<b>33,749</b>	<b>34,441</b>	<b>41</b>	<b>46,270</b>	<b>46,962</b>
<b>Tug and scow:<sup>1</sup></b>									
5 feet and under	14	2,572	3,243	34	7,835	10,137	48	10,407	13,380
6 to 7 feet	2	311	420	12	3,747	4,060	14	4,058	4,480
8 " 9 "	44	5,684	7,706	40	3,000	5,407	84	8,684	13,113
10 " 11 "	299	175,926	198,572	260	154,357	173,953	559	330,283	372,525
12 " 13 "	24	15,475	16,283	44	31,474	35,708	68	46,949	51,991
14 " 15 "	—	—	—	6	3,465	3,910	6	3,465	3,910
16 " 17 "	—	—	—	2	1,145	1,145	2	1,145	1,145
20 " 21 "	4	7,383	7,557	—	—	—	4	7,383	7,557
<b>Totals</b>	<b>387</b>	<b>207,351</b>	<b>233,781</b>	<b>398</b>	<b>205,023</b>	<b>234,320</b>	<b>785</b>	<b>412,374</b>	<b>468,101</b>
<b>Tanker:</b>									
10 to 11 feet	2	1,488	2,470	2	1,488	2,470	4	2,976	4,940
12 " 13 "	14	20,127	30,030	11	10,814	16,286	25	30,941	46,316
14 " 15 "	68	83,923	118,267	64	80,575	112,421	132	164,498	230,688
16 " 17 "	115	157,504	263,935	122	168,528	282,748	237	326,032	546,683
18 " 19 "	45	56,714	99,248	48	60,443	104,436	91	117,157	203,684
20 " 21 "	31	77,549	124,352	32	74,195	118,453	63	151,744	242,805
22 " 23 "	15	51,956	74,714	13	48,020	69,830	28	99,976	144,544
24 " 25 "	4	6,947	12,555	5	12,035	21,553	9	18,962	34,108
26 " 27 "	15	96,745	153,554	13	85,097	134,468	28	181,842	288,022
28 " 29 "	14	71,553	125,494	17	89,865	155,609	31	161,418	281,103
30 feet and over	4	27,780	47,713	5	33,955	59,562	9	61,735	107,275
<b>Totals</b>	<b>327</b>	<b>652,286</b>	<b>1,052,332</b>	<b>330</b>	<b>665,015</b>	<b>1,077,836</b>	<b>657</b>	<b>1,317,301</b>	<b>2,130,168</b>
<b>Tug or dredge:</b>									
5 feet and under	8	248	554	4	62	106	12	310	660
6 to 7 feet	6	540	642	4	124	303	10	664	945
8 " 9 "	10	555	915	14	609	1,370	24	1,164	2,285
10 " 11 "	21	1,856	3,653	22	1,976	3,747	43	3,832	7,400
12 " 13 "	16	1,706	3,189	9	1,185	1,850	25	2,891	5,039
14 " 15 "	1	295	390	—	—	—	1	295	390
16 " 17 "	1	176	289	3	1,614	2,246	4	1,790	2,535
20 " 21 "	1	1,305	1,760	—	—	—	1	1,305	1,760
<b>Totals</b>	<b>64</b>	<b>6,681</b>	<b>11,392</b>	<b>56</b>	<b>5,570</b>	<b>9,622</b>	<b>120</b>	<b>12,251</b>	<b>21,014</b>
<b>Other vessels:</b>									
5 feet and under	6	95	115	2	16	26	8	111	141
6 to 7 feet	3	202	202	8	758	788	11	960	990
8 " 9 "	13	6,235	7,001	14	6,818	7,499	27	13,053	14,500
10 " 11 "	2	472	472	2	341	463	4	813	935
12 " 13 "	10	3,160	5,166	11	3,613	5,447	21	6,773	10,613
14 " 15 "	1	1,600	1,800	3	5,313	5,456	4	6,913	7,256
16 " 17 "	—	—	—	3	3,793	5,975	3	3,793	5,975
18 " 19 "	2	4,720	4,720	—	—	—	2	4,720	4,720
20 " 21 "	1	4,200	4,500	1	4,000	4,500	2	8,200	9,000
30 feet and over	1	7,644	10,851	—	—	—	1	7,644	10,851
<b>Totals</b>	<b>39</b>	<b>28,328</b>	<b>34,827</b>	<b>44</b>	<b>24,682</b>	<b>30,154</b>	<b>83</b>	<b>52,980</b>	<b>64,981</b>
<b>Grand totals</b>	<b>4,035</b>	<b>14,674,522</b>	<b>21,605,377</b>	<b>4,001</b>	<b>14,508,243</b>	<b>21,417,844</b>	<b>8,036</b>	<b>29,182,765</b>	<b>43,023,221</b>

<sup>1</sup> Assessed as one unit.



TABLE 24 A. Cargo Tons Carried Upbound on the Welland Section of the Seaway by Country of Loading and Unloading

Country of loading	Cargo unloaded								
	In Canada			In United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
tons									
Ports on Lake Ontario and Welland canal:									
Canada.....	652,361	—	652,361	1,455,501	174,051	1,629,552	2,107,862	174,051	2,281,913
United States.....	7	—	7	414	—	414	421	—	421
<b>Totals.....</b>	<b>652,368</b>	<b>—</b>	<b>652,368</b>	<b>1,455,915</b>	<b>174,051</b>	<b>1,629,966</b>	<b>2,108,283</b>	<b>174,051</b>	<b>2,282,334</b>
Ports on the St. Lawrence River:									
Canada.....	697,130	14,785	711,915	5,987,189	247,381	6,234,570	6,684,319	262,166	6,946,485
Ports outside the Gulf of St. Lawrence:									
Canada Atlantic ports.....	6,225	—	6,225	38,538	56,082	94,620	44,763	56,082	100,845
United States Atlantic ports.....	2,000	—	2,000	295,814	2,755	298,569	297,814	2,755	300,569
United States Hudson River ports.....	—	—	—	59,822	—	59,822	59,822	—	59,822
United Kingdom.....	3,741	4,633	8,374	23,978	103,197	127,175	27,719	107,830	135,549
West Indies (Commonwealth).....	13,206	—	13,206	22,120	2	22,122	35,326	2	35,328
Other British Commonwealth.....	4,480	—	4,480	5,955	58,308	64,263	10,435	58,308	68,743
Belgium.....	—	7,333	7,333	11,885	276,416	288,301	11,885	283,749	295,634
Denmark.....	—	142	142	608	3,779	4,387	608	3,921	4,529
Finland.....	—	—	—	29,601	7,546	37,147	29,601	7,546	37,147
France.....	—	55	55	18,563	44,192	62,755	18,563	44,247	62,810
Germany.....	—	2,785	2,785	3,609	80,495	84,104	3,609	83,280	86,889
Greece.....	—	—	—	17,455	538	17,993	17,455	538	17,993
Italy.....	672	345	1,017	13,365	22,562	35,927	14,037	22,907	36,944
Netherlands.....	2,246	8,128	10,374	16,817	48,510	65,327	19,063	56,638	75,701
Norway.....	—	4,223	4,223	13,861	25,811	39,672	13,861	30,034	43,895
Portugal.....	—	—	—	153	2,855	3,008	153	2,855	3,008
Sweden.....	—	—	—	29,581	16,481	46,062	29,581	16,481	46,062
Other Europe.....	—	235	235	35,983	18,561	54,544	35,983	18,796	54,779
Other Central America and Caribbean.....	3,622	—	3,622	20,848	—	20,848	24,470	—	24,470
South America.....	8,346	—	8,346	29,492	3,580	33,072	37,838	3,580	41,418
Middle East.....	—	—	—	7,648	1,623	9,271	7,648	1,623	9,271
Other Asia.....	—	49	49	3,528	80,885	84,413	3,528	80,934	84,462
Other Africa.....	—	—	—	224	312	536	224	312	536
<b>Totals.....</b>	<b>44,538</b>	<b>27,828</b>	<b>72,466</b>	<b>699,448</b>	<b>854,490</b>	<b>1,553,938</b>	<b>743,986</b>	<b>882,418</b>	<b>1,826,404<sup>1</sup></b>
In transit freight.....	..	..	..	..	..	..	58,090	3,057	61,147
<b>Grand totals - Upbound.....</b>	<b>1,394,036</b>	<b>42,713</b>	<b>1,436,749</b>	<b>8,142,552</b>	<b>1,275,922</b>	<b>9,418,474</b>	<b>9,594,678</b>	<b>1,321,692</b>	<b>10,916,370</b>

<sup>1</sup> Includes 256,410 tons transported via the New York State Barge Canal.

TABLE 24 B. Cargo Tons Carried Downbound on the Welland Section of the Seaway by Country of Loading and Unloading

Country of unloading	Cargo loaded								
	In Canada			In United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
tons									
Ports on Lake Ontario and Welland canal:									
Canada.....	2,158,879	—	2,158,879	8,948,290	455	8,948,745	11,107,169	455	11,107,624
United States.....	13,422	—	13,422	349,593	—	349,593	363,015	—	363,015
<b>Totals.....</b>	<b>2,172,301</b>	<b>—</b>	<b>2,172,301</b>	<b>9,297,883</b>	<b>455</b>	<b>9,298,338</b>	<b>11,470,184</b>	<b>455</b>	<b>11,470,639</b>
Ports on the St. Lawrence river:									
Canada.....	4,067,357	—	4,067,357	2,792,846	1,930	2,794,776	6,860,203	1,930	6,862,133
United States.....	—	—	—	92,387	—	92,387	92,387	—	92,387
<b>Totals.....</b>	<b>4,067,357</b>	<b>—</b>	<b>4,067,357</b>	<b>2,885,233</b>	<b>1,930</b>	<b>2,887,163</b>	<b>6,952,590</b>	<b>1,930</b>	<b>6,954,520</b>
Ports outside the Gulf of St. Lawrence:									
Canada Atlantic ports.....	163,419	—	163,419	26,742	62	26,804	190,161	62	190,223
United States Atlantic ports.....	3,559	7,811	11,370	183,500	—	183,500	187,059	7,811	194,870
United States Hudson River ports.....	2,453	—	2,453	97,042	—	97,042	99,495	—	99,495
United States Pacific ports.....	—	306	306	—	—	—	—	306	306
United Kingdom.....	272,326	13,884	286,210	696,232	56,097	752,329	968,558	69,981	1,038,539
West Indies (Commonwealth).....	234	456	690	—	3,560	3,560	234	4,016	4,250
Other British Commonwealth.....	—	4,027	4,027	45,872	157,313	203,185	45,872	161,340	207,212
Belgium.....	28,441	16,366	44,807	218,275	25,769	244,044	246,716	42,135	288,851
Denmark.....	—	—	—	77,065	3,363	80,428	77,065	3,363	80,428
Finland.....	—	34	34	7,457	2,894	10,351	7,457	2,928	10,385
France.....	9,056	7,413	16,469	103,560	28,315	131,875	112,616	35,728	148,344
Germany.....	57,589	7,893	65,482	661,966	49,005	710,971	719,555	56,898	776,453
Greece.....	20	90	110	16,411	2,995	19,406	16,431	3,085	19,516
Italy.....	41,941	2,602	44,543	446,036	37,055	483,091	487,977	39,657	527,634
Netherlands.....	57,253	23,375	80,628	1,416,594	99,409	1,516,003	1,473,847	122,784	1,596,631
Norway.....	6,144	1,271	7,415	86,251	4,845	91,096	92,395	6,116	98,511
Portugal.....	7,486	—	7,486	13,495	5,646	19,141	20,981	5,646	26,627
Sweden.....	—	338	338	2,771	21,639	24,410	2,771	21,977	24,748
Other Europe.....	45,961	812	46,773	99,548	38,564	138,112	145,509	39,376	184,885
Other Central America and Caribbean.....	—	—	—	407	921	1,328	407	921	1,328
South America.....	19,125	—	19,125	44,437	32,832	77,269	63,562	32,832	96,394
Middle East.....	—	1	1	107,248	68,070	175,318	107,248	68,071	175,319
Other Asia.....	8,336	1,698	10,034	190,094	24,998	215,092	198,430	26,696	225,126
Other Africa.....	10,811	43	10,854	79,426	15,184	94,610	90,237	15,227	105,464
<b>Totals.....</b>	<b>734,154</b>	<b>88,420</b>	<b>822,574</b>	<b>4,620,429</b>	<b>678,536</b>	<b>5,298,965</b>	<b>5,354,583</b>	<b>766,956</b>	<b>6,121,539</b>
In transit freight.....	..	..	..	..	..	..	42,559	4,982	47,541
<b>Grand totals - Downbound.....</b>	<b>6,973,812</b>	<b>88,420</b>	<b>7,062,232</b>	<b>16,803,545</b>	<b>680,921</b>	<b>17,484,466</b>	<b>23,818,916</b>	<b>774,323</b>	<b>24,594,239</b>

<sup>1</sup> Includes 287,389 tons transported via New York State Barge Canal.

TABLE 25 A. Cargo Tons Carried Upbound on the Welland Section of the Seaway by Country of Registry of Vessel

Loaded at	Registry of vessel	Cargo tons		
		Bulk	General	Total
Ports on Lake Ontario and Welland canal .....	Canada .....	1,135,090	174,051	1,309,141
	United States .....	384,464	—	384,464
	United Kingdom .....	245	—	245
	Other British Commonwealth .....	588,484	—	588,484
	<b>Totals .....</b>	<b>2,108,283</b>	<b>174,051</b>	<b>2,282,334</b>
Ports on the St. Lawrence river .....	Canada .....	5,483,431	262,129	5,745,560
	United States .....	378,856	—	378,856
	United Kingdom .....	343,664	—	343,664
	Other British Commonwealth .....	246,688	—	246,688
	France .....	59,161	—	59,161
	Germany .....	—	2	2
	Greece .....	14,268	—	14,268
	Netherlands .....	—	2	2
	Norway .....	75,024	18	75,042
	Sweden .....	—	15	15
	Other Europe .....	69,141	—	69,141
	Liberia .....	14,106	—	14,106
	<b>Totals .....</b>	<b>6,684,319</b>	<b>262,166</b>	<b>6,946,485</b>
	Ports outside the Gulf of St. Lawrence .....	Canada .....	6,225	5,478
United States .....		296,111	11,517	307,628
United Kingdom .....		110,238	126,350	236,588
Denmark .....		2,315	—	2,315
Finland .....		—	17,257	17,257
France .....		9,253	40,732	49,985
Germany .....		47,070	294,426	341,496
Greece .....		7,270	15,086	22,356
Italy .....		20,911	23,311	44,222
Netherlands .....		9,098	117,115	126,213
Norway .....		132,949	105,234	238,183
Sweden .....		39,307	32,539	71,846
Other Europe .....		2,801	12,591	15,392
Panama .....		15,341	4,796	20,137
Middle East .....		2,897	4,171	7,068
Other Asia .....		3,426	68,504	71,930
Liberia .....		38,774	3,311	42,085
<b>Totals .....</b>		<b>743,986</b>	<b>882,418</b>	<b>1,626,404</b>
In transit freight .....		58,090	3,057	61,147
<b>Grand totals - Upbound .....</b>	<b>9,594,678</b>	<b>1,321,692</b>	<b>10,916,370</b>	

TABLE 25 B. Cargo Tons Carried Downbound on the Welland Section of the Seaway by Country of Registry of Vessel

Unloaded at	Registry of vessel	Cargo tons		
		Bulk	General	Total
Ports on Lake Ontario and Welland canal .....	Canada .....	9,210,564	393	9,210,957
	United States .....	989,386	—	989,386
	United Kingdom .....	463,575	59	463,634
	Other British Commonwealth .....	805,143	—	805,143
	Netherlands .....	—	3	3
	Sweden .....	1,516	—	1,516
	<b>Totals .....</b>	<b>11,470,184</b>	<b>455</b>	<b>11,470,639</b>
Ports on the St. Lawrence river .....	Canada .....	6,219,614	1,914	6,221,528
	United States .....	235,900	—	235,900
	United Kingdom .....	231,697	3	231,700
	Other British Commonwealth .....	242,612	—	242,612
	Italy .....	—	1	1
	Netherlands .....	9,624	—	9,624
	Norway .....	3,584	—	3,584
	Sweden .....	9,559	—	9,559
	Middle East .....	—	12	12
	<b>Totals .....</b>	<b>6,952,590</b>	<b>1,930</b>	<b>6,954,520</b>
Ports outside the Gulf of St. Lawrence .....	Canada .....	78,536	805	79,341
	United States .....	352,904	181,534	534,438
	United Kingdom .....	1,255,417	57,578	1,312,995
	Other British Commonwealth .....	23,170	—	23,170
	Belgium .....	31,958	—	31,958
	Denmark .....	1,523	5,594	7,117
	Finland .....	1,850	10,401	12,251
	France .....	236,372	17,654	254,026
	Germany .....	562,576	147,248	709,824
	Greece .....	661,397	39,680	701,077
	Italy .....	239,342	23,644	262,986
	Netherlands .....	164,649	53,568	218,217
	Norway .....	830,853	91,923	922,776
	Portugal .....	2,822	—	2,822
	Sweden .....	121,496	76,295	197,791
	Other Europe .....	210,551	14,537	225,088
	Panama .....	75,854	—	75,854
	Middle East .....	39,139	30,583	69,722
	Other Asia .....	55,859	14,145	70,004
Liberia .....	408,315	1,767	410,082	
<b>Totals .....</b>	<b>5,354,583</b>	<b>766,956</b>	<b>6,121,539</b>	
In transit freight .....	42,559	4,982	47,541	
<b>Grand totals - Downbound .....</b>	<b>23,819,916</b>	<b>774,323</b>	<b>24,594,239</b>	



TABLE 26. Cargo Tons Carried on the Welland Section of the Seaway by Kind, Gross Tonnage and Number of Vessels

Kind of vessel and gross tonnage	Upbound							Downbound									
	Number of vessels			Cargo tons			Average cargo tons per vessel	Number of vessels			Cargo tons			Average cargo tons per vessel			
	In ballast	With cargo	Total	Bulk	General	Total		In ballast	With cargo	Total	Bulk	General	Total				
<b>Cargo vessel:</b>																	
Under 1,000 gross tons	7	59	66	40,440	4,667	45,107	764.5	34	34	68	10,489	8,425	16,914	556.3			
1,000 to 1,999	58	184	242	90,434	123,122	213,556	1,160.6	11	245	256	316,149	88,300	404,449	1,650.8			
2,000 " 2,999	203	395	598	516,878	475,284	992,162	2,511.8	53	521	574	1,374,073	150,441	1,524,514	2,926.1			
3,000 " 3,999	105	202	307	472,071	213,720	685,791	3,395.0	29	258	287	1,175,949	56,801	1,232,750	4,778.1			
4,000 " 4,999	217	209	426	735,203	124,547	859,750	4,113.6	73	339	412	1,896,813	60,410	1,957,223	5,773.5			
5,000 " 5,999	87	107	194	376,216	56,349	432,565	4,042.7	4	193	197	1,072,618	56,776	1,129,394	5,851.8			
6,000 " 6,999	112	130	242	663,970	51,370	715,340	5,502.6	15	222	237	1,517,627	74,834	1,592,461	7,173.2			
7,000 " 7,999	120	105	225	604,431	108,742	713,173	6,792.1	9	214	223	1,773,635	71,288	1,844,923	8,621.1			
8,000 " 8,999	124	50	174	249,376	59,130	308,506	6,170.1	1	181	182	1,691,513	119,817	1,811,330	1,000.7			
9,000 " 9,999	55	51	106	274,388	71,306	345,694	6,778.3	2	102	104	930,758	39,763	970,521	9,514.9			
10,000 " 10,999	55	42	97	400,595	12,384	412,979	9,832.8	7	87	94	1,107,939	20,189	1,128,128	12,967.0			
11,000 " 11,999	69	26	95	310,275	14,129	324,404	12,477.1	11	85	96	1,395,143	-	1,395,143	16,413.4			
12,000 " 12,999	81	30	111	536,623	1,354	537,977	17,932.6	4	108	112	1,942,207	-	1,942,207	17,983.4			
13,000 " 13,999	20	27	47	564,395	1,815	566,210	20,970.7	8	38	46	728,953	-	728,953	19,183.0			
14,000 " 14,999	8	11	19	162,267	-	162,267	14,751.5	-	19	19	284,916	-	284,916	14,995.6			
15,000 " 15,999	31	21	52	485,874	-	485,874	23,136.9	7	45	52	963,835	24,944	988,779	21,972.9			
16,000 " 16,999	57	14	71	321,215	-	321,215	22,943.9	-	68	68	1,649,983	-	1,649,983	24,264.5			
17,000 and over	54	72	126	1,828,334	1,018	1,829,352	25,407.7	17	108	125	2,749,819	-	2,749,819	25,461.3			
<b>Totals</b>	<b>1,463</b>	<b>1,735</b>	<b>3,198</b>	<b>8,632,985</b>	<b>1,318,937</b>	<b>9,951,922</b>	<b>5,736.0</b>	<b>265</b>	<b>2,867</b>	<b>3,132</b>	<b>22,582,419</b>	<b>771,988</b>	<b>23,354,407</b>	<b>8,145.9</b>			
<b>Barge or scow:</b>																	
Under 1,000 gross tons	13	3	16	1,007	790	1,797	599.0	5	2	7	2,092	-	2,092	1,046.0			
1,000 to 1,999	4	-	4	-	-	-	-	4	6	10	10,884	-	10,884	1,814.0			
3,000 " 3,999	-	-	-	-	-	-	-	1	-	1	-	-	-	-			
4,000 " 4,999	-	-	-	-	-	-	-	2	-	2	-	-	-	-			
6,000 " 6,999	-	-	-	-	-	-	-	1	-	1	-	-	-	-			
<b>Totals</b>	<b>17</b>	<b>3</b>	<b>20</b>	<b>1,007</b>	<b>790</b>	<b>1,797</b>	<b>599.0</b>	<b>13</b>	<b>8</b>	<b>21</b>	<b>12,976</b>	<b>-</b>	<b>12,976</b>	<b>1,622.0</b>			
<b>Tug and scow:<sup>1</sup></b>																	
Under 1,000 gross tons	73	2	75	1,000	-	1,000	500.0	80	12	92	5,999	-	5,999	499.9			
1,000 to 1,999	110	198	308	220,010	1,965	221,975	1,121.1	28	276	304	326,750	2,335	329,085	1,192.3			
3,000 " 3,999	4	-	4	-	-	-	-	-	-	-	-	-	-	-			
6,000 " 6,999	-	-	-	-	-	-	-	2	-	2	-	-	-	-			
<b>Totals</b>	<b>187</b>	<b>200</b>	<b>387</b>	<b>221,010</b>	<b>1,965</b>	<b>222,975</b>	<b>1,114.9</b>	<b>110</b>	<b>288</b>	<b>398</b>	<b>332,749</b>	<b>2,335</b>	<b>335,084</b>	<b>1,163.5</b>			
<b>Tanker:</b>																	
Under 1,000 gross tons	-	3	3	1,730	-	1,730	576.7	2	-	2	-	-	-	-			
1,000 to 1,999	63	68	131	187,075	-	187,075	2,751.1	40	95	135	265,229	-	265,229	2,791.9			
2,000 " 2,999	40	63	103	218,254	-	218,254	3,464.3	54	46	100	160,978	-	160,978	3,499.5			
3,000 " 3,999	7	16	23	61,478	-	61,478	3,842.4	13	12	25	47,754	-	47,754	3,979.5			
4,000 " 4,999	3	14	17	66,769	-	66,769	4,769.2	8	8	16	44,077	-	44,077	5,509.6			
5,000 " 5,999	14	-	14	-	-	-	-	-	14	14	109,058	-	109,058	7,789.9			
8,000 " 8,999	2	10	12	37,622	-	37,622	3,782.2	-	11	11	106,098	-	106,098	9,645.3			
9,000 " 9,999	-	6	6	48,049	-	48,049	8,008.2	4	2	6	21,094	-	21,094	10,547.0			
10,000 " 10,999	4	11	15	118,499	-	118,499	10,772.6	10	7	17	84,439	-	84,439	12,062.7			
11,000 " 11,999	-	-	-	-	-	-	-	-	1	1	13,313	-	13,313	13,313.0			
12,000 " 12,999	2	-	2	-	-	-	-	-	1	1	12,945	-	12,945	12,945.0			
13,000 " 13,999	-	-	-	-	-	-	-	-	1	1	12,663	-	12,663	12,663.0			
14,000 " 14,999	1	-	1	-	-	-	-	-	1	1	14,124	-	14,124	14,124.0			
<b>Totals</b>	<b>136</b>	<b>191</b>	<b>327</b>	<b>739,676</b>	<b>-</b>	<b>739,676</b>	<b>3,872.6</b>	<b>131</b>	<b>199</b>	<b>330</b>	<b>891,772</b>	<b>-</b>	<b>891,772</b>	<b>4,481.3</b>			
<b>Other vessels:</b>																	
Under 1,000 gross tons	95	-	95	-	-	-	-	92	-	92	-	-	-	-			
1,000 to 1,999	4	-	4	-	-	-	-	4	-	4	-	-	-	-			
2,000 " 2,999	2	-	2	-	-	-	-	2	-	2	-	-	-	-			
3,000 " 3,999	-	-	-	-	-	-	-	1	-	1	-	-	-	-			
4,000 " 4,999	1	-	1	-	-	-	-	1	-	1	-	-	-	-			
10,000 " 10,999	1	-	1	-	-	-	-	-	-	-	-	-	-	-			
<b>Totals</b>	<b>103</b>	<b>-</b>	<b>103</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>-</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>			
<b>Grand totals</b>	<b>1,906</b>	<b>2,129</b>	<b>4,035</b>	<b>9,594,678</b>	<b>1,321,692</b>	<b>10,916,370</b>	<b>5,127.5</b>	<b>639</b>	<b>3,362</b>	<b>4,001</b>	<b>23,819,916</b>	<b>774,323</b>	<b>24,594,239</b>	<b>7,315.6</b>			

<sup>1</sup> Assessed as one unit.

TABLE 27A. Commodities Carried Upbound on the Welland Section of the Seaway by Country of Loading and Unloading

No.	Commodity	Canada to		United States to		United Kingdom to	
		Canada	United States	Canada	United States	Canada	United States
		tons					
	Food, feed, beverages and tobacco:						
1	Fish and marine animals .....	—	1,700	—	—	6	188
2	Grain, flour, meal and cereals, n.e.s. ....	—	815	—	—	—	34
3	Fruits and fruit preparations .....	—	8	—	—	—	1,069
4	Sugar .....	—	—	—	6,185	—	—
5	Molasses, crude and refined .....	—	—	—	56,985	—	—
6	Sugar preparations (incl. confectionery) ..	—	—	—	32,864	126	282
7	Ale, beer and wines .....	—	—	—	—	—	1,088
8	Distilled alcoholic beverages .....	—	—	—	—	—	21,277
9	Food, feed, beverages and tobacco, n.e.s. ..	—	—	—	—	19	1,337
10	Totals .....	—	2,523	—	96,034	151	25,275
	Crude materials, inedible:						
11	Crude animal products, inedible (ex. fibres) ..	—	—	—	—	—	148
12	Oil seeds, oil nuts and oil kernels, n.e.s. ....	—	—	—	—	—	2,348
13	Rubber, natural .....	—	—	—	—	—	—
14	Pulpwood .....	133,756	60,393	—	—	—	—
15	Aluminum ore and concentrates .....	—	—	—	—	—	—
16	Iron ore .....	48,674	6,251,332	—	—	—	—
17	Metallic ores and concentrates, n.e.s. ....	—	—	—	2,000	—	—
18	Metal scrap .....	—	—	2,000	—	—	20
19	Coal, bituminous .....	165,902	23,851	—	—	—	—
20	Crude petroleum .....	—	—	—	19,709	—	—
21	Clay and bentonite .....	3,439	6,053	—	—	—	18,762
22	Sand and gravel .....	49,739	16,508	—	—	—	—
23	Limestone .....	8,100	11,283	—	—	—	—
24	Stone, crushed and broken .....	64,938	905,556	—	—	—	—
25	Sulphur .....	—	37,527	—	27,992	—	—
26	Non-metallic minerals, crude, n.e.s. ....	4,826	12,348	—	33,842	—	103
27	Crude materials, inedible, n.e.s. ....	—	—	—	—	—	544
28	Totals .....	479,374	7,324,831	2,000	83,543	—	21,925
	Fabricated materials, inedible:						
29	Wood fabricated materials .....	—	15	—	—	—	189
30	Woodpulp .....	2,126	24,540	—	—	—	—
31	Newsprint paper .....	—	477,180	—	—	—	—
32	Paper and paperboard, n.e.s. ....	—	—	—	11,062	—	175
33	Cordage, twine and rope .....	—	—	—	—	360	567
34	Fish and animal oils .....	—	—	—	1,500	—	8
35	Vegetable oils and fats, n.e.s. ....	—	—	—	—	—	802
36	Chemicals .....	8,711	—	—	9,219	3,293	1,908
37	Fertilizers .....	—	—	—	—	—	—
38	Chemical products, n.e.s. ....	95,307	—	—	22,719	1,368	1,425
39	Gasoline .....	155,316	—	—	8,208	—	—
40	Fuel oil .....	307,397	6,825	—	71,934	—	—
41	Lubricating oils and greases .....	24,839	—	—	51,457	—	—
42	Tar, pitch and creosote .....	—	30,121	—	2,520	—	—
43	Ferro-alloys .....	—	—	—	—	—	—
44	Pig iron .....	—	86,969	—	—	—	—
45	Iron and steel; ingot, bar, rod, etc. ....	—	—	—	—	26	7,860
46	Steel: plate, sheet and strip .....	—	—	—	—	—	314
47	Structural shapes and sheet piling .....	—	1,200	—	—	18	9,791
48	Iron and steel: pipes, tubes and fittings ..	—	—	—	—	468	11,200
49	Iron and steel: wire and wire rope .....	—	—	—	—	29	8,082
50	Iron and steel, n.e.s. ....	—	—	—	—	—	396
51	Aluminum: bar, ingot, pig and slab .....	—	433	—	—	—	181
52	Non-ferrous metals and alloys, n.e.s. ....	—	18	—	—	44	2,540
53	Metal fabricated basic products, n.e.s. ....	—	—	—	—	108	4,501
54	Glass: plate, sheet and structural .....	—	—	—	—	208	8,173
55	Cement .....	19,811	3,000	—	414	—	7
56	Miscellaneous fabricated materials, n.e.s. ....	—	—	—	—	283	936
57	Totals .....	613,507	630,301	—	179,931	6,201	59,035
	End products, inedible:						
58	Machinery, equipment and parts .....	—	—	7	197	585	4,511
59	Motor vehicles and parts .....	—	—	—	—	1,034	6,676
60	End products, inedible, n.e.s. ....	—	2	—	—	42	2,115
61	Totals .....	—	2	7	197	1,661	15,302
62	Miscellaneous freight, n.e.s. ....	21,342	1,085	—	—	361	5,638
63	Domestic package freight .....	256,278	—	—	—	—	—
64	In transit freight .....	..	..	..	..	..	..
65	Grand totals — Upbound .....	1,370,501	7,958,742	2,007	358,805	8,374	127,175



TABLE 27 A. Commodities Carried Upbound on the Welland Section of the Seaway by Country of Loading and Unloading

Other British Commonwealth to		Other Europe to		Other Countries to		Total to		Grand total	No.
Canada	United States	Canada	United States	Canada	United States	Canada	United States		
				tons					
--	--	--	4,475	--	2,753	6	9,116	9,122	1
--	--	31	8	--	1,695	31	2,552	2,583	2
--	1,083	235	14,152	--	3,817	235	20,129	20,364	3
--	4,816	--	--	3,622	15,635	3,622	26,636	30,258	4
--	17,304	--	--	--	20,848	--	95,137	95,137	5
--	69	44	642	--	869	170	34,746	34,916	6
--	--	--	28,622	--	128	--	29,838	29,838	7
--	--	--	1,056	--	58	--	22,391	22,391	8
--	1,007	327	6,724	--	3,062	346	12,130	12,476	9
--	24,299	637	55,679	3,622	48,865	4,410	252,675	257,085	10
--	--	--	3,543	--	447	--	4,138	4,138	11
--	--	--	9,979	--	--	--	12,327	12,327	12
--	40,347	--	202	--	2,133	--	42,682	42,682	13
17,686	--	--	17,353	4,700	--	133,756	60,393	194,149	14
--	--	--	--	--	12,309	22,386	29,662	52,048	15
--	--	--	--	--	9,102	48,674	6,260,434	6,309,108	16
--	114	--	1,150	3,646	114	3,648	3,378	7,024	17
--	--	7,293	1,281	--	--	9,293	1,281	10,574	18
--	--	--	--	--	--	165,902	23,851	189,753	19
--	--	--	32	--	--	--	19,709	19,709	20
--	--	--	121	--	--	3,439	24,847	28,286	21
--	--	--	52	--	--	49,739	16,629	66,368	22
--	--	298	6,455	--	5	6,100	11,315	19,415	23
--	--	--	--	--	--	65,236	912,016	977,252	24
--	40	--	30,998	--	670	4,826	65,519	85,519	25
--	944	--	2,203	--	7,808	--	78,001	82,827	26
--	--	--	--	--	--	--	11,499	11,499	27
17,686	41,445	7,591	73,349	8,346	32,588	514,997	7,577,681	8,092,678	28
--	68	--	7,385	--	3,987	--	11,644	11,644	29
--	--	--	66,755	--	--	2,126	91,295	93,421	30
--	--	--	--	--	--	--	477,180	477,180	31
--	--	--	11,890	--	205	--	23,332	23,332	32
--	--	852	13,325	--	53	1,212	13,945	15,157	33
--	--	--	5,475	--	3,248	--	10,231	10,231	34
--	--	--	4,278	--	1,313	--	6,393	6,393	35
--	--	1,701	4,551	--	148	13,705	15,828	29,531	36
--	--	--	410	--	11	--	421	421	37
--	--	1,075	5,822	--	402	--	97,750	128,118	38
--	--	--	--	--	--	--	155,316	183,522	39
--	--	--	--	--	--	--	307,397	386,156	40
--	--	--	5	--	--	--	51,482	78,301	41
--	--	--	--	--	--	--	32,641	32,641	42
--	5,600	--	31,633	--	1,384	--	38,617	38,617	43
--	--	--	20,140	--	--	--	107,109	107,109	44
--	5,909	1,341	79,649	--	17,345	1,367	110,763	112,130	45
--	--	596	5,828	--	2,321	598	8,463	9,059	46
--	2,497	5,225	153,150	--	208	5,241	166,846	172,087	47
--	--	517	10,487	--	308	985	21,995	22,980	48
--	112	1,346	55,704	--	11,176	1,375	75,054	76,429	49
--	--	11	2,535	--	156	11	3,089	3,100	50
--	--	--	8,669	--	195	--	9,478	9,478	51
--	5,039	4,380	6,979	--	1,619	4,424	16,195	20,619	52
--	731	157	17,769	20	13,522	283	36,523	36,806	53
--	--	125	31,178	--	--	333	39,349	39,682	54
--	--	--	151	--	--	--	19,811	23,383	55
--	219	36	4,196	--	3,104	319	8,455	8,774	56
--	20,175	17,362	547,962	20	60,707	637,090	1,497,211	2,134,301	57
--	3	276	8,883	--	361	868	13,955	14,823	58
--	--	4	30,071	10	136	1,048	38,883	39,931	59
--	25	--	4,061	--	699	42	6,902	6,944	60
--	28	280	43,015	10	1,196	1,958	59,740	61,698	61
--	438	294	19,222	19	4,784	22,016	31,167	53,183	62
--	--	--	--	--	--	256,278	--	266,278	63
--	--	--	--	--	--	--	--	61,147	64
17,686	66,385	26,164	739,227	12,017	148,140	1,436,749	9,418,474	10,916,370	65

TABLE 27 B. Commodities Carried Downbound on the Welland Section of the Seaway, by Country of Loading and Unloading

No.	Commodity	Canada to						Total
		Canada	United States	United Kingdom	Other British Commonwealth	Other Europe	Other Countries	
		tons						
	Food, feed, beverages and tobacco:							
1	Meat and meat preparations .....	—	—	—	—	—	—	
2	Milk powder .....	—	—	—	—	—	—	
3	Barley .....	503,101	3,422	65,042	—	—	571,565	
4	Corn .....	30,279	—	—	—	—	30,279	
5	Oats .....	268,089	—	6,488	—	9,143	283,720	
6	Rye .....	54,509	—	1,736	—	73,653	129,898	
7	Wheat .....	4,166,360	—	87,144	—	93,377	4,375,336	
8	Cereals, unmilled, n.e.s. ....	765	—	—	—	—	765	
9	Corn meal .....	—	—	—	—	—	—	
10	Malt .....	54,453	—	—	—	—	54,453	
11	Flour, wheat .....	30,477	—	19,362	228	67	50,134	
12	Grain, flour, meal and cereals, n.e.s. ....	—	—	947	456	—	1,403	
13	Beans and peas, dried .....	14,817	—	15,320	—	620	30,757	
14	Molasses, crude and refined .....	—	—	—	—	—	—	
15	Margarine, shortening and lard .....	—	—	—	—	—	—	
16	Fodder and feed, n.e.s. ....	30,137	—	31,565	—	6,847	68,549	
17	Soyabean oil cake and meal .....	—	—	1,105	—	—	1,105	
18	Foods, beverages, tobacco, n.e.s. ....	—	—	6,499	6	688	7,193	
19	<b>Totals</b> .....	<b>5,152,987</b>	<b>3,422</b>	<b>235,208</b>	<b>690</b>	<b>184,395</b>	<b>28,455</b>	<b>5,605,157</b>
	Crude materials, inedible:							
20	Raw hides and skins .....	—	—	—	—	—	—	
21	Flaxseed .....	183,767	—	20,587	—	17,430	221,784	
22	Soyabeans .....	55,973	—	—	—	—	55,973	
23	Pulpwood .....	70,766	—	—	—	—	70,766	
24	Iron ore .....	111,078	—	—	—	—	111,078	
25	Copper ore and concentrates .....	—	—	—	—	18,034	18,034	
26	Metallic ores and concentrates, n.e.s. ....	—	—	—	—	218	218	
27	Iron and steel scrap .....	—	—	—	—	—	8,338	
28	Non-ferrous metal scrap .....	—	—	—	—	10,947	10,947	
29	Coal, bituminous .....	852	—	—	—	—	852	
30	Clay and bentonite .....	—	—	—	—	—	—	
31	Sand and gravel .....	9,521	—	—	—	—	9,521	
32	Stone, crushed and broken .....	37,631	—	—	—	—	37,631	
33	Salt .....	206,675	10,000	—	—	—	216,675	
34	Waste and scrap materials, n.e.s. ....	—	—	—	—	17	60	
35	Crude materials, inedible, n.e.s. ....	—	—	262	47	—	309	
36	<b>Totals</b> .....	<b>676,263</b>	<b>10,000</b>	<b>20,849</b>	<b>47</b>	<b>46,646</b>	<b>8,379</b>	<b>762,184</b>
	Fabricated materials, inedible:							
37	Fish and animal oils .....	—	—	—	—	—	—	
38	Soyabean oil .....	—	—	—	—	—	—	
39	Oils, fats, waxes, n.e.s. ....	—	—	—	—	—	—	
40	Sodium products .....	—	4,902	—	—	—	4,902	
41	Chemicals, n.e.s. ....	20,964	—	5,338	1,620	11,118	39,569	
42	Rubber, synthetic and reclaimed .....	—	306	2,716	1,147	14,530	19,636	
43	Chemical products, n.e.s. ....	24,962	1,110	11,762	166	9,230	48,944	
44	Gasoline .....	18,374	—	—	—	—	18,374	
45	Fuel oil .....	210,990	—	—	—	—	210,990	
46	Lubricating oils and greases .....	35,920	—	3,734	—	2,248	41,902	
47	Coke .....	—	—	2,832	—	18,794	21,628	
48	Asphalt .....	—	—	—	—	—	—	
49	Tar, pitch and creosote .....	20,947	—	—	—	—	20,947	
50	Petroleum and coal products, n.e.s. ....	—	—	432	—	25	457	
51	Pig iron .....	—	—	—	—	—	—	
52	Iron and steel: ingot, billet, rod, etc. ....	—	—	11	—	—	10,720	
53	Steel: plate, sheet and strip .....	3,062	—	—	220	13,869	17,151	
54	Structural shapes and sheet piling .....	1,533	—	—	—	—	1,533	
55	Iron and steel: pipes, tubes and fittings .....	—	—	—	—	207	207	
56	Iron and steel, n.e.s. ....	—	—	—	—	2	2	
57	Non-ferrous metals and alloys .....	—	—	—	—	263	263	
58	Cement .....	—	—	—	—	—	—	
59	Miscellaneous fabricated materials, n.e.s. ....	104	7,811	3,250	827	2,044	14,036	
60	<b>Totals</b> .....	<b>336,856</b>	<b>14,129</b>	<b>30,075</b>	<b>3,980</b>	<b>83,039</b>	<b>3,180</b>	<b>471,259</b>
	End products, inedible:							
61	Machinery, equipment and parts .....	18,094	—	—	—	—	18,094	
62	Motor vehicles and parts .....	—	—	71	—	3	74	
63	End products, inedible, n.e.s. ....	—	—	4	—	—	4	
64	<b>Totals</b> .....	<b>18,094</b>	<b>—</b>	<b>75</b>	<b>—</b>	<b>3</b>	<b>18,172</b>	
65	Miscellaneous freight, n.e.s. ....	200	—	3	—	2	205	
66	Domestic package freight .....	205,255	—	—	—	—	205,255	
67	In transit freight .....	..	..	..	..	..	..	
68	<b>Grand totals — Downbound</b> .....	<b>6,389,655</b>	<b>27,551</b>	<b>286,210</b>	<b>4,717</b>	<b>314,085</b>	<b>40,014</b>	<b>7,062,232</b>



TABLE 27 B. Commodities Carried Downbound on the Welland Section of the Seaway, by Country of Loading and Unloading

United States to							Grand total	No.
Canada	United States	United Kingdom	Other British Commonwealth	Other Europe	Other Countries	Total		
tons								
—	—	7,207	2,378	20,763	378	30,726	30,726	1
—	—	—	18,751	31,822	43,335	93,908	93,908	2
89,701	5,309	31,764	—	564,150	9,060	699,984	1,271,549	3
1,454,990	49,704	396,640	—	569,747	11	2,471,092	2,501,371	4
8,251	—	3,845	—	414,569	—	426,665	710,385	5
2,941	—	11,136	—	255,756	—	269,833	399,731	6
523,087	19,902	59,315	—	248,520	79,124	929,948	5,305,284	7
—	—	—	—	2,853	10	2,863	3,628	8
—	—	323	6,364	5,467	50,168	62,322	62,322	9
—	—	—	—	—	508	508	54,961	10
—	—	1,188	9,164	61,732	129,547	201,631	251,765	11
—	—	2,050	306	4,782	2,650	9,788	11,191	12
48,685	1,007	33,168	5,338	20,472	18,687	127,357	158,114	13
—	6,607	—	—	—	—	6,607	6,607	14
—	—	56,684	10	4,615	2,251	63,560	63,560	15
2,096	—	487	319	173,792	2,194	178,888	247,437	16
9,443	6,454	1,120	—	34,414	—	51,431	52,536	17
13	—	3,407	805	18,034	8,873	31,132	38,325	18
<b>2,139,207</b>	<b>88,983</b>	<b>608,334</b>	<b>43,435</b>	<b>2,431,488</b>	<b>346,796</b>	<b>5,658,243</b>	<b>11,263,400</b>	<b>19</b>
12	—	321	28	33,953	2,954	37,268	37,268	20
44,547	—	—	—	83,858	—	128,405	350,189	21
642,070	12,331	34,556	—	368,708	54,722	1,112,387	1,168,360	22
3,793,348	—	60,881	—	—	—	70,766	3,965,307	23
—	—	—	—	—	—	3,854,229	18,034	24
—	—	—	—	64	836	900	1,118	25
54,645	—	—	224	167,853	47,656	270,378	278,714	26
—	—	1,497	1,007	8,366	1,232	12,102	23,049	27
4,668,684	—	—	—	30	—	4,668,714	4,669,566	28
51,319	—	6,978	237	5,229	21	63,784	63,784	29
56,208	—	6	—	—	—	56,214	65,735	30
—	—	—	—	—	—	—	37,631	31
49,730	—	—	—	—	—	49,730	266,405	32
—	—	55	51	5,446	810	6,362	6,422	33
—	2,425	4,005	19	23,231	533	30,213	30,522	34
<b>9,360,563</b>	<b>14,756</b>	<b>108,299</b>	<b>1,566</b>	<b>696,738</b>	<b>108,764</b>	<b>10,290,686</b>	<b>11,052,870</b>	<b>35</b>
—	4,314	4,565	311	77,540	8,369	95,099	95,099	36
—	26,132	—	8,534	6,260	370	41,296	41,296	37
2	2,984	1,170	14	14,170	3,435	21,775	21,775	38
15,646	103,676	322	46	536	464	120,690	125,592	39
23,423	14,173	2,692	2,623	16,272	1,554	60,737	100,306	40
—	—	126	75	2,641	160	3,002	22,338	41
3,464	18,622	3,774	12,269	18,409	3,833	60,391	109,335	42
—	26,616	—	—	—	—	26,616	44,990	43
14,981	272,161	—	—	—	—	287,142	498,132	44
6,885	1,250	297	32	6,585	283	15,332	57,234	45
175,408	—	31	—	13,578	—	189,017	210,643	46
—	16,264	147	—	87	—	16,498	16,498	47
25,277	14,581	—	—	—	—	39,858	60,805	48
—	—	1,343	99	2,349	905	4,696	5,153	49
3,018	—	—	4,733	34,088	16,809	58,648	58,648	50
—	—	—	9,694	411	910	11,412	22,132	51
—	—	158	77,536	3,986	28,274	109,954	127,105	52
—	—	3	8,891	872	559	10,325	11,858	53
—	—	103	1,744	127	450	2,424	2,631	54
—	—	328	437	585	74	1,424	1,426	55
—	—	2,914	4,847	4,862	3,757	16,380	16,643	56
—	118,010	—	21	126	—	118,157	118,157	57
—	—	2,750	1,998	10,105	1,386	16,301	18,157	58
<b>268,186</b>	<b>618,783</b>	<b>21,120</b>	<b>133,904</b>	<b>213,589</b>	<b>71,592</b>	<b>1,327,174</b>	<b>1,788,433</b>	<b>59</b>
62	—	7,894	9,221	52,790	16,006	85,973	104,067	60
—	—	970	15,458	21,874	17,371	55,673	55,747	61
—	—	484	1,893	3,564	1,660	7,601	7,605	62
<b>62</b>	<b>—</b>	<b>9,348</b>	<b>26,572</b>	<b>78,228</b>	<b>35,037</b>	<b>149,247</b>	<b>167,419</b>	<b>63</b>
<b>2,307</b>	<b>—</b>	<b>5,228</b>	<b>1,268</b>	<b>48,885</b>	<b>1,428</b>	<b>59,116</b>	<b>59,321</b>	<b>64</b>
—	—	—	—	—	—	—	205,255	65
..	..	..	..	..	..	..	47,541	66
<b>11,770,325</b>	<b>722,522</b>	<b>752,329</b>	<b>206,745</b>	<b>3,468,928</b>	<b>563,617</b>	<b>17,484,466</b>	<b>24,594,239</b>	<b>67</b>

SAULT STE. MARIE CANAL  
TABLE 28. Location and Description

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

TABLE 29. Historical Summary, 1953-62

Registry of vessel	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Vessel transits										
Upbound:										
Canada .....	2,054	1,673	1,766	1,913	1,607	1,295	1,111	1,331	1,150	899
United States .....	677	601	765	700	138	105	233	113	121	137
United Kingdom <sup>1</sup> .....	..	..	—	1	—	6	13	40	50	8
Other foreign .....	36	11	8	9	4	41	15	46	31	31
<b>Totals .....</b>	<b>2,767</b>	<b>2,285</b>	<b>2,539</b>	<b>2,623</b>	<b>1,749</b>	<b>1,447</b>	<b>1,372</b>	<b>1,530</b>	<b>1,352</b>	<b>1,075</b>
Downbound:										
Canada .....	1,927	1,457	1,587	1,655	1,186	1,033	914	1,055	882	782
United States .....	417	598	774	712	720	918	2,126	2,232	1,215	1,272
United Kingdom <sup>1</sup> .....	..	..	—	1	—	4	11	21	18	11
Other foreign .....	36	9	8	9	4	40	5	17	6	10
<b>Totals .....</b>	<b>2,380</b>	<b>2,064</b>	<b>2,369</b>	<b>2,377</b>	<b>1,910</b>	<b>1,995</b>	<b>3,056</b>	<b>3,325</b>	<b>2,121</b>	<b>2,075</b>
<b>Grand totals .....</b>	<b>5,147</b>	<b>4,349</b>	<b>4,908</b>	<b>5,000</b>	<b>3,659</b>	<b>3,442</b>	<b>4,428</b>	<b>4,855</b>	<b>3,473</b>	<b>3,150</b>
Registered net tons										
Upbound:										
Canada .....	2,899,508	2,145,449	2,019,797	2,566,237	1,944,257	1,572,412	1,380,730	1,815,064	1,733,304	1,169,023
United States .....	742,064	262,668	392,277	372,726	332,883	109,314	132,294	116,627	156,698	177,559
United Kingdom <sup>1</sup> .....	..	..	—	727	—	3,756	10,857	90,719	140,819	23,182
Other foreign .....	31,112	8,086	6,612	8,655	2,934	31,963	17,805	111,846	87,769	69,455
<b>Totals .....</b>	<b>3,672,684</b>	<b>2,416,203</b>	<b>2,418,686</b>	<b>2,948,345</b>	<b>2,280,074</b>	<b>1,717,445</b>	<b>1,541,686</b>	<b>2,134,256</b>	<b>2,118,590</b>	<b>1,439,219</b>
Downbound:										
Canada .....	1,768,797	1,493,027	1,396,128	1,807,962	1,097,372	819,918	811,597	1,035,640	890,089	884,201
United States .....	208,320	178,867	298,362	308,720	320,512	281,689	321,962	314,074	184,050	271,052
United Kingdom <sup>1</sup> .....	..	..	—	727	—	2,107	8,487	21,222	17,125	10,517
Other foreign .....	33,646	5,814	6,582	8,685	2,934	31,001	4,040	20,059	10,363	14,556
<b>Totals .....</b>	<b>2,008,763</b>	<b>1,677,708</b>	<b>1,701,072</b>	<b>2,126,114</b>	<b>1,420,818</b>	<b>1,134,715</b>	<b>1,146,086</b>	<b>1,390,995</b>	<b>1,101,627</b>	<b>1,180,326</b>
<b>Grand totals .....</b>	<b>5,681,447</b>	<b>4,093,911</b>	<b>4,119,758</b>	<b>5,074,459</b>	<b>3,700,892</b>	<b>2,852,160</b>	<b>2,687,772</b>	<b>3,525,251</b>	<b>3,220,217</b>	<b>2,619,545</b>
Cargo tons										
Upbound:										
Canada .....	..	..	641,701	683,604	571,437	327,050	383,755	600,864	429,458	320,135
United States .....	..	..	68,210	67,797	52,642	12,537	47,507	114,753	25,774	28,355
United Kingdom <sup>1</sup> .....	..	..	—	—	—	—	185	6,794	9,981	3,858
Other foreign .....	..	..	4,043	6,904	2,571	7,582	6,249	5,245	2,561	4,884
<b>Totals .....</b>	<b>1,009,664</b>	<b>845,990</b>	<b>713,954</b>	<b>758,305</b>	<b>626,650</b>	<b>347,169</b>	<b>437,696</b>	<b>727,656</b>	<b>467,774</b>	<b>357,232</b>
Downbound:										
Canada .....	..	..	1,461,155	2,204,837	1,151,155	821,218	770,182	963,511	655,884	722,488
United States .....	..	..	21,408	17,616	2,485	6,682	15,113	8,533	4,810	15,155
United Kingdom <sup>1</sup> .....	..	..	—	968	—	4,695	2,150	14,389	9,495	—
Other foreign .....	..	..	4,558	7,552	4,410	48,897	7,553	6,533	2,987	12,254
<b>Totals .....</b>	<b>2,379,745</b>	<b>1,761,978</b>	<b>1,487,121</b>	<b>2,230,973</b>	<b>1,158,050</b>	<b>881,492</b>	<b>794,998</b>	<b>992,966</b>	<b>673,176</b>	<b>749,897</b>
<b>Grand totals .....</b>	<b>3,389,409</b>	<b>2,607,968</b>	<b>2,201,075</b>	<b>2,989,278</b>	<b>1,784,700</b>	<b>1,228,661</b>	<b>1,232,694</b>	<b>1,720,622</b>	<b>1,140,950</b>	<b>1,107,129</b>
Season of navigation										
First vessel passage .....	March 29	April 10	April 11	April 5	April 5	April 8	April 13	April 4	April 11	April 3
Last vessel passage .....	Dec. 15	Dec. 11	Dec. 12	Dec. 12	Dec. 12	Dec. 11	Dec. 12	Dec. 12	Dec. 12	Dec. 12

<sup>1</sup> Includes other British Commonwealth.



TABLE 30. Traffic on the Sault Ste. Marie Section of the Seaway 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				
<b>Upbound:</b>							
Cargo .....	359	127	486	1,011,072	1,477,145	172,863	1
Passenger-cargo .....	74	38	112	150,826	228,685	16,940	11,870
Cargo-passenger .....	15	2	17	20,680	39,435	1,248	361
Scow, barge, etc. ....	106	2	108	114,294	123,526	1,840	—
Tug and scow <sup>1</sup> .....	14	—	14	14,975	17,521	—	—
Tanker .....	15	54	69	100,868	154,926	164,341	—
Tug or dredge .....	232	—	232	17,118	40,431	—	—
Naval or Government .....	35	—	35	9,290	12,555	—	—
All other types .....	2	—	2	96	140	—	—
<b>Totals .....</b>	<b>852</b>	<b>223</b>	<b>1,075</b>	<b>1,439,219</b>	<b>2,094,364</b>	<b>357,232</b>	<b>12,232</b>
<b>Downbound:</b>							
Cargo .....	68	239	307	501,612	745,455	544,084	11
Passenger-cargo .....	1,205	53	1,258	259,045	376,755	72,118	133,428
Cargo-passenger .....	13	—	13	6,512	14,942	—	537
Scow, barge, etc. ....	10	84	94	88,755	96,590	76,125	—
Tug and scow <sup>1</sup> .....	6	—	6	132	278	—	—
Tanker .....	131	20	151	307,355	454,042	57,570	—
Tug or dredge .....	223	—	223	12,241	33,923	—	—
Naval or Government .....	23	—	23	4,674	7,379	—	—
All other types .....	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>1,679</b>	<b>396</b>	<b>2,075</b>	<b>1,180,326</b>	<b>1,729,364</b>	<b>749,897</b>	<b>133,976</b>
<b>Grand totals .....</b>	<b>2,531</b>	<b>619</b>	<b>3,150</b>	<b>2,619,545</b>	<b>3,823,728</b>	<b>1,107,129</b>	<b>146,208</b>

TABLE 31. Traffic on the Sault Ste. Marie Section of the Seaway by Country of Registry of Vessel

Country of registry	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
	In ballast	With cargo	Total				
<b>Upbound:</b>							
Canada .....	722	177	899	1,169,023	1,698,187	320,135	3,960
United States .....	97	40	137	177,559	247,178	28,355	8,068
United Kingdom .....	6	2	8	23,182	36,664	3,858	203
France .....	2	—	2	6,452	10,740	7	—
Germany .....	12	4	16	26,814	42,965	4,877	1
Greece .....	2	—	2	8,812	12,478	—	—
Italy .....	3	—	3	13,692	22,338	—	—
Netherlands .....	1	—	1	600	976	—	—
Norway .....	5	—	5	9,202	15,465	—	—
Sweden .....	2	—	2	3,883	7,373	—	—
<b>Totals .....</b>	<b>852</b>	<b>223</b>	<b>1,075</b>	<b>1,439,219</b>	<b>2,094,364</b>	<b>357,232</b>	<b>12,232</b>
<b>Downbound:</b>							
Canada .....	403	379	782	884,201	1,306,372	722,498	6,987
United States .....	1,264	8	1,272	271,052	382,372	15,155	125,868
United Kingdom .....	9	—	9	5,008	7,554	—	1,121
Other British Commonwealth .....	2	—	2	5,509	8,488	—	—
France .....	—	1	1	1,920	3,470	1,294	—
Germany .....	—	5	5	6,920	10,794	4,440	—
Netherlands .....	—	1	1	600	976	664	—
Norway .....	—	1	1	1,371	2,614	2,403	—
Sweden .....	1	—	1	1,053	2,089	—	—
Panama .....	—	1	1	2,692	4,635	3,453	—
<b>Totals .....</b>	<b>1,679</b>	<b>396</b>	<b>2,075</b>	<b>1,180,326</b>	<b>1,729,364</b>	<b>749,897</b>	<b>133,976</b>
<b>Grand totals .....</b>	<b>2,531</b>	<b>619</b>	<b>3,150</b>	<b>2,619,545</b>	<b>3,823,728</b>	<b>1,107,129</b>	<b>146,208</b>

<sup>1</sup> Assessed as one unit.

TABLE 32. Traffic on the Sault Ste. Marie Section of the Seaway 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				
<b>Upbound:</b>							
Under 80 feet .....	114	—	114	7,050	8,141	—	4,421
80 to 119 feet .....	137	27	164	7,933	17,669	3,668	—
120 " 159 " .....	78	—	78	14,367	30,130	—	13
160 " 199 " .....	1	—	1	345	617	—	—
200 " 239 " .....	109	3	112	110,502	139,353	2,080	1,229
240 " 279 " .....	161	96	257	317,404	499,156	177,480	—
280 " 319 " .....	23	18	41	65,563	101,745	65,119	935
320 " 359 " .....	98	29	127	305,798	434,068	6,665	5,633
360 " 399 " .....	41	27	68	172,195	243,678	45,394	—
400 " 439 " .....	20	13	33	106,328	147,560	19,877	—
440 " 479 " .....	33	8	41	139,554	212,971	18,585	—
480 " 519 " .....	24	1	25	114,560	160,340	6,611	—
520 " 559 " .....	11	—	11	65,706	84,301	11,753	1
560 " 599 " .....	1	—	1	5,417	6,826	—	—
600 " 639 " .....	1	—	1	6,497	7,809	—	—
<b>Totals .....</b>	<b>852</b>	<b>223</b>	<b>1,075</b>	<b>1,439,219</b>	<b>2,094,364</b>	<b>357,232</b>	<b>12,232</b>
<b>Downbound:</b>							
Under 80 feet .....	1,241	—	1,241	77,085	96,948	—	123,643
80 to 119 feet .....	159	2	161	7,882	17,321	56	—
120 " 159 " .....	60	8	68	13,014	26,545	4,525	—
160 " 199 " .....	—	1	1	345	617	510	—
200 " 239 " .....	23	77	100	98,624	124,306	72,264	1,229
240 " 279 " .....	67	181	248	306,383	481,620	439,376	—
280 " 319 " .....	21	7	28	43,130	69,765	11,821	938
320 " 359 " .....	45	81	126	308,438	452,633	147,183	8,166
360 " 399 " .....	30	25	55	147,838	208,527	37,325	—
400 " 439 " .....	9	13	22	76,279	105,472	26,921	—
440 " 479 " .....	13	—	13	45,280	66,843	—	—
480 " 519 " .....	11	1	12	56,028	78,767	9,916	—
<b>Totals .....</b>	<b>1,679</b>	<b>396</b>	<b>2,075</b>	<b>1,180,326</b>	<b>1,729,364</b>	<b>749,897</b>	<b>133,978</b>
<b>Grand totals .....</b>	<b>2,531</b>	<b>619</b>	<b>3,150</b>	<b>2,619,545</b>	<b>3,823,728</b>	<b>1,107,129</b>	<b>146,208</b>

TABLE 33 A. Number and Tonnage of Vessels Upbound on the Sault Ste. Marie Section of the Seaway by Origin and Destination

Port of origin and country of registry	Destined to						Total		
	Canada			United States			Number of vessels	Registered net tons	Gross tons
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons			
<b>Originating at ports between the Gulf of St. Lawrence and Sault Ste. Marie:</b>									
<b>Registry:</b>									
Canada .....	885	1,129,581	1,641,184	14	39,442	57,003	899	1,169,023	1,698,187
United States .....	30	48,741	66,628	107	128,818	180,550	137	177,559	247,178
United Kingdom .....	4	5,316	9,824	2	9,129	12,423	6	14,445	22,247
France .....	1	4,532	7,270	1	1,920	3,470	2	6,452	10,740
Germany .....	9	14,335	22,530	1	2,000	2,900	10	16,335	25,430
Greece .....	—	—	—	1	5,690	7,273	1	5,690	7,273
Netherlands .....	1	600	976	—	—	—	1	600	976
Norway .....	4	7,660	12,742	1	1,542	2,723	5	9,202	15,465
Sweden .....	—	—	—	1	1,316	2,865	1	1,316	2,865
<b>Totals .....</b>	<b>934</b>	<b>1,210,765</b>	<b>1,761,154</b>	<b>128</b>	<b>189,857</b>	<b>269,207</b>	<b>1,062</b>	<b>1,400,622</b>	<b>2,030,361</b>
<b>Originating at ports outside the Gulf of St. Lawrence:</b>									
<b>Registry:</b>									
United Kingdom .....	1	4,311	7,139	1	4,426	7,278	2	8,737	14,417
Germany .....	2	2,856	4,266	4	7,623	13,269	6	10,479	17,539
Greece .....	—	—	—	1	3,122	5,205	1	3,122	5,205
Italy .....	1	4,263	6,953	2	9,429	15,385	3	13,692	22,339
Sweden .....	—	—	—	1	2,567	4,508	1	2,567	4,508
<b>Totals .....</b>	<b>4</b>	<b>11,430</b>	<b>18,358</b>	<b>9</b>	<b>27,167</b>	<b>45,645</b>	<b>13</b>	<b>38,597</b>	<b>64,003</b>
<b>Grand totals — Upbound .....</b>	<b>938</b>	<b>1,222,195</b>	<b>1,779,512</b>	<b>137</b>	<b>217,024</b>	<b>314,852</b>	<b>1,075</b>	<b>1,439,219</b>	<b>2,094,364</b>



TABLE 33 B. Number and Tonnage of Vessels Downbound on the Sault Ste. Marie Section of the Seaway by Origin and Destination

Port of destination and country of registry	Originating in						Total		
	Canada			United States			Number of vessels	Registered net tons	Gross tons
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons			
Destined to ports between Sault Ste. Marie and the Gulf of St. Lawrence:									
Registry:									
Canada .....	770	879,510	1,299,497	11	3,121	4,515	781	882,631	1,304,012
United States .....	19	34,142	50,140	1,252	235,548	330,236	1,271	269,690	380,376
United Kingdom .....	1	4,584	6,965	8	424	589	9	5,008	7,554
Other British Commonwealth .....	1	1,649	3,041	1	3,860	5,447	2	5,509	8,488
Sweden .....	1	1,053	2,089	—	—	—	1	1,053	2,089
<b>Totals .....</b>	<b>792</b>	<b>920,938</b>	<b>1,361,732</b>	<b>1,272</b>	<b>242,953</b>	<b>340,787</b>	<b>2,064</b>	<b>1,163,891</b>	<b>1,702,519</b>
Destined to ports outside the Gulf of St. Lawrence:									
Registry:									
Canada .....	1	1,570	2,360	—	—	—	1	1,570	2,360
United States .....	1	1,362	1,996	—	—	—	1	1,362	1,996
France .....	—	—	—	1	1,920	3,470	1	1,920	3,470
Germany .....	4	5,320	7,952	1	1,600	2,842	5	6,920	10,794
Netherlands .....	—	—	—	1	600	976	1	600	976
Norway .....	1	1,371	2,614	—	—	—	1	1,371	2,614
Panama .....	—	—	—	1	2,692	4,635	1	2,692	4,635
<b>Totals .....</b>	<b>7</b>	<b>9,623</b>	<b>14,922</b>	<b>4</b>	<b>6,812</b>	<b>11,923</b>	<b>11</b>	<b>16,435</b>	<b>26,845</b>
<b>Grand totals — Downbound .....</b>	<b>799</b>	<b>930,561</b>	<b>1,376,654</b>	<b>1,276</b>	<b>249,765</b>	<b>352,710</b>	<b>2,075</b>	<b>1,180,328</b>	<b>1,729,364</b>

TABLE 34. Number and Tonnage of Vessels Using the Sault Ste. Marie Section of the Seaway by Registry and Rig

Country of registry	Steam			Motor			Other			Total		
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
Upbound:												
Canada .....	391	733,396	1,081,723	394	320,993	492,370	114	114,634	124,094	899	1,169,023	1,698,187
United States .....	44	143,080	201,647	85	19,844	28,578	8	14,635	16,953	137	177,559	247,178
United Kingdom .....	6	21,073	33,089	2	2,109	3,575	—	—	—	8	23,182	36,664
France .....	1	4,532	7,270	1	1,920	3,470	—	—	—	2	6,452	10,740
Germany .....	1	1,512	2,279	15	25,302	40,686	—	—	—	16	26,814	42,965
Greece .....	2	8,812	12,476	—	—	—	—	—	—	2	8,812	12,478
Italy .....	2	9,462	15,434	1	4,230	6,904	—	—	—	3	13,692	22,338
Netherlands .....	—	—	—	1	600	976	—	—	—	1	600	976
Norway .....	—	—	—	5	9,202	15,465	—	—	—	5	9,202	15,465
Sweden .....	—	—	—	2	3,883	7,373	—	—	—	2	3,883	7,373
<b>Totals .....</b>	<b>447</b>	<b>921,867</b>	<b>1,353,920</b>	<b>506</b>	<b>388,083</b>	<b>599,397</b>	<b>122</b>	<b>129,269</b>	<b>141,047</b>	<b>1,075</b>	<b>1,439,219</b>	<b>2,094,364</b>
Downbound:												
Canada .....	317	511,081	770,320	367	285,333	440,284	98	37,787	95,768	782	884,201	1,306,372
United States .....	62	174,914	256,148	1,208	95,038	125,126	2	1,100	1,100	1,272	271,052	382,372
United Kingdom .....	1	4,584	6,965	8	424	589	—	—	—	9	5,008	7,554
Other British Commonwealth .....	2	5,509	8,488	—	—	—	—	—	—	2	5,509	8,488
France .....	—	—	—	1	1,920	3,470	—	—	—	1	1,920	3,470
Germany .....	—	—	—	5	8,920	10,794	—	—	—	5	6,920	10,794
Netherlands .....	—	—	—	1	600	976	—	—	—	1	600	976
Norway .....	—	—	—	1	1,371	2,614	—	—	—	1	1,371	2,614
Sweden .....	—	—	—	1	1,053	2,089	—	—	—	1	1,053	2,089
Panama .....	1	2,692	4,635	—	—	—	—	—	—	1	2,692	4,635
<b>Totals .....</b>	<b>383</b>	<b>696,780</b>	<b>1,046,554</b>	<b>1,592</b>	<b>392,659</b>	<b>585,942</b>	<b>100</b>	<b>88,887</b>	<b>96,868</b>	<b>2,075</b>	<b>1,180,328</b>	<b>1,729,364</b>
<b>Grand totals .....</b>	<b>830</b>	<b>1,620,647</b>	<b>2,400,474</b>	<b>2,098</b>	<b>780,742</b>	<b>1,185,339</b>	<b>222</b>	<b>218,156</b>	<b>237,915</b>	<b>3,150</b>	<b>2,619,545</b>	<b>3,823,728</b>

TABLE 35. Number and Tonnage of Vessels Using the Sault Ste. Marie Section of the Seaway by Kind and Length

Kind of vessel and length	Upbound			Downbound			Total		
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Cargo vessel:</b>									
Under 80 feet .....	38	3,104	3,497	1,175	74,335	94,024	1,213	77,439	97,521
80 to 119 feet .....	27	2,214	2,646	28	2,296	2,744	55	4,510	5,390
120 " 159 " .....	5	717	1,764	—	—	—	5	717	1,764
160 " 199 " .....	1	345	617	1	345	617	2	690	1,234
200 " 239 " .....	24	17,436	35,385	22	15,742	32,542	46	33,178	67,927
240 " 279 " .....	212	266,086	416,462	184	228,867	354,774	396	494,953	771,236
280 " 319 " .....	25	38,279	61,569	12	17,384	29,416	37	55,663	90,985
320 " 359 " .....	112	275,266	398,301	97	237,146	354,102	209	512,412	752,403
360 " 399 " .....	63	156,054	226,067	27	66,188	96,365	90	222,242	322,432
400 " 439 " .....	28	91,343	126,710	12	40,373	54,173	40	131,716	180,883
440 " 479 " .....	41	139,554	212,971	8	28,465	39,628	49	168,019	252,599
480 " 519 " .....	25	114,560	160,340	12	56,028	78,767	37	170,588	239,107
520 " 559 " .....	12	65,706	84,301	—	—	—	12	65,706	84,301
560 " 599 " .....	1	5,417	6,826	—	—	—	1	5,417	6,826
600 " 639 " .....	1	6,497	7,809	—	—	—	1	6,497	7,809
<b>Totals .....</b>	<b>615</b>	<b>1,182,578</b>	<b>1,745,265</b>	<b>1,578</b>	<b>767,169</b>	<b>1,137,152</b>	<b>2,193</b>	<b>1,949,747</b>	<b>2,882,417</b>
<b>Barge or scow:</b>									
80 to 119 feet .....	7	220	293	6	180	180	13	400	473
120 " 159 " .....	9	5,220	5,220	11	6,320	6,320	20	11,540	11,540
200 " 239 " .....	86	91,812	100,620	77	82,255	90,090	163	174,067	190,710
320 " 359 " .....	3	6,471	6,471	—	—	—	3	6,471	6,471
360 " 399 " .....	2	6,608	6,708	—	—	—	2	6,608	6,708
400 " 439 " .....	1	3,963	4,214	—	—	—	1	3,963	4,214
<b>Totals .....</b>	<b>108</b>	<b>114,294</b>	<b>123,526</b>	<b>94</b>	<b>88,755</b>	<b>96,590</b>	<b>202</b>	<b>203,049</b>	<b>220,116</b>
<b>Tug and scow:<sup>1</sup></b>									
Under 80 feet .....	—	—	—	2	52	52	2	52	52
80 to 119 feet .....	6	340	568	4	80	226	10	420	794
320 " 359 " .....	8	14,635	16,953	—	—	—	8	14,635	16,953
<b>Totals .....</b>	<b>14</b>	<b>14,975</b>	<b>17,521</b>	<b>6</b>	<b>132</b>	<b>278</b>	<b>20</b>	<b>15,107</b>	<b>17,799</b>
<b>Tanker:</b>									
240 to 279 feet .....	45	51,318	82,694	64	77,516	126,846	109	128,834	209,540
280 " 319 " .....	14	22,564	35,456	15	24,176	37,989	29	46,740	73,445
320 " 359 " .....	3	6,431	9,237	29	71,292	98,531	32	77,723	107,768
360 " 399 " .....	3	9,533	10,903	28	81,650	112,162	31	91,183	123,065
400 " 439 " .....	4	11,022	16,636	10	35,906	51,299	14	46,928	67,935
440 " 479 " .....	—	—	—	5	16,815	27,215	5	16,815	27,215
<b>Totals .....</b>	<b>69</b>	<b>100,868</b>	<b>154,926</b>	<b>151</b>	<b>307,355</b>	<b>454,042</b>	<b>220</b>	<b>408,223</b>	<b>608,968</b>
<b>Tug or dredge:</b>									
Under 80 feet .....	50	2,400	2,487	52	2,469	2,583	102	4,869	5,070
80 to 119 feet .....	123	4,920	13,923	121	4,848	13,693	244	9,768	27,616
120 " 159 " .....	58	6,803	20,915	50	4,924	17,647	108	11,727	38,562
320 " 359 " .....	1	2,995	3,106	—	—	—	1	2,995	3,106
<b>Totals .....</b>	<b>232</b>	<b>17,118</b>	<b>40,431</b>	<b>223</b>	<b>12,241</b>	<b>33,923</b>	<b>455</b>	<b>29,359</b>	<b>74,354</b>
<b>Other vessels:</b>									
Under 80 feet .....	26	1,546	2,157	12	229	289	38	1,775	2,446
80 to 119 feet .....	1	239	239	2	478	478	3	717	717
120 " 159 " .....	6	1,627	2,231	7	1,770	2,578	13	3,397	4,809
200 " 239 " .....	2	1,254	3,348	1	627	1,674	3	1,881	5,022
280 " 319 " .....	2	4,720	4,720	1	1,570	2,360	3	6,290	7,080
<b>Totals .....</b>	<b>37</b>	<b>9,386</b>	<b>12,695</b>	<b>23</b>	<b>4,674</b>	<b>7,379</b>	<b>60</b>	<b>14,060</b>	<b>20,074</b>
<b>Grand totals .....</b>	<b>1,075</b>	<b>1,439,219</b>	<b>2,094,364</b>	<b>2,075</b>	<b>1,180,326</b>	<b>1,729,364</b>	<b>3,150</b>	<b>2,619,545</b>	<b>3,823,728</b>

<sup>1</sup> Assessed as one unit.



TABLE 36. Number and Tonnage of Vessels Using the Sault Ste. Marie Section of the Seaway by Kind and Draft

Kind of vessel and draft	Upbound			Downbound			Total		
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Cargo vessel:</b>									
5 feet and under .....	1	1,068	1,170	—	—	—	1	1,068	1,170
6 to 7 feet .....	38	3,104	3,497	1,175	74,335	94,024	1,213	77,439	97,521
10 " 11 " .....	4	2,710	5,068	—	—	—	4	2,710	5,068
12 " 13 " .....	29	2,469	3,323	29	3,523	4,623	58	5,992	7,946
14 " 15 " .....	64	129,443	195,790	43	77,692	118,909	107	207,135	314,699
16 " 17 " .....	191	292,153	449,988	176	243,568	381,637	367	535,721	831,625
18 " 19 " .....	132	289,410	419,326	106	235,328	351,641	238	524,738	770,967
20 " 21 " .....	108	292,835	426,675	34	97,053	137,027	142	389,888	563,702
22 " 23 " .....	24	76,401	103,342	14	32,978	44,656	38	109,379	147,998
24 " 25 " .....	13	46,021	68,750	1	2,692	4,635	14	48,713	73,385
26 " 27 " .....	6	24,045	36,996	—	—	—	6	24,045	36,996
28 " 29 " .....	3	12,639	18,026	—	—	—	3	12,639	18,026
30 feet and over .....	2	10,280	13,314	—	—	—	2	10,280	13,314
<b>Totals .....</b>	<b>615</b>	<b>1,182,578</b>	<b>1,745,265</b>	<b>1,578</b>	<b>767,169</b>	<b>1,137,152</b>	<b>2,193</b>	<b>1,949,747</b>	<b>2,882,417</b>
<b>Barge or scow:</b>									
5 feet and under .....	97	92,940	101,340	12	5,065	5,370	109	98,005	106,710
8 to 9 feet .....	—	—	—	11	7,844	8,150	11	7,844	8,150
10 " 11 " .....	5	4,312	4,793	66	70,503	77,220	71	74,815	82,013
12 " 13 " .....	—	—	—	5	5,343	5,850	5	5,343	5,850
18 " 19 " .....	6	17,042	17,393	—	—	—	6	17,042	17,393
<b>Totals .....</b>	<b>108</b>	<b>114,294</b>	<b>123,528</b>	<b>94</b>	<b>88,755</b>	<b>96,590</b>	<b>202</b>	<b>203,049</b>	<b>220,116</b>
<b>Tug and scow:<sup>1</sup></b>									
6 to 7 feet .....	—	—	—	2	52	52	2	52	52
8 " 9 " .....	2	260	342	—	—	—	2	260	342
10 " 11 " .....	4	80	226	4	80	226	8	160	452
16 " 17 " .....	8	14,635	16,953	—	—	—	8	14,635	16,953
<b>Totals .....</b>	<b>14</b>	<b>14,975</b>	<b>17,521</b>	<b>6</b>	<b>132</b>	<b>278</b>	<b>20</b>	<b>15,107</b>	<b>17,799</b>
<b>Tanker:</b>									
10 to 11 feet .....	—	—	—	1	2,829	3,827	1	2,829	3,827
12 " 13 " .....	6	5,352	8,743	8	12,623	18,237	14	17,975	26,980
14 " 15 " .....	9	11,037	14,812	13	19,767	27,099	22	30,804	41,911
16 " 17 " .....	42	56,715	92,975	54	86,632	134,311	96	143,347	227,286
18 " 19 " .....	7	14,041	18,266	20	31,070	47,918	27	45,111	66,184
20 " 21 " .....	3	8,557	12,331	25	71,470	105,416	28	80,027	117,747
22 " 23 " .....	2	5,166	7,799	28	79,862	111,905	30	85,028	119,704
24 " 25 " .....	—	—	—	2	3,102	5,329	2	3,102	5,329
<b>Totals .....</b>	<b>69</b>	<b>100,868</b>	<b>154,928</b>	<b>151</b>	<b>307,355</b>	<b>454,042</b>	<b>220</b>	<b>408,223</b>	<b>608,968</b>
<b>Tug or dredge:</b>									
5 feet and under .....	1	8	12	1	8	12	2	16	24
6 to 7 feet .....	49	2,392	2,475	51	2,461	2,571	100	4,853	5,046
10 " 11 " .....	132	6,846	17,408	131	6,988	17,566	263	13,834	34,974
12 " 13 " .....	31	1,685	10,348	30	1,469	9,959	61	3,154	20,307
14 " 15 " .....	18	3,192	7,082	9	1,266	3,483	27	4,458	10,565
16 " 17 " .....	—	—	—	1	49	332	1	49	332
18 " 19 " .....	1	2,995	3,106	—	—	—	1	2,995	3,106
<b>Totals .....</b>	<b>232</b>	<b>17,118</b>	<b>40,431</b>	<b>223</b>	<b>12,241</b>	<b>33,923</b>	<b>455</b>	<b>29,359</b>	<b>74,354</b>
<b>Other vessels:</b>									
5 feet and under .....	19	1,190	1,757	10	125	185	29	1,315	1,942
6 to 7 feet .....	7	356	400	2	104	104	9	460	504
8 " 9 " .....	3	1,236	1,236	3	1,236	1,236	6	2,472	2,472
10 " 11 " .....	2	248	676	2	248	676	4	496	1,352
12 " 13 " .....	2	382	558	4	764	1,144	6	1,144	1,702
16 " 17 " .....	2	1,254	3,348	2	2,197	4,034	4	3,451	7,382
18 " 19 " .....	2	4,720	4,720	—	—	—	2	4,720	4,720
<b>Totals .....</b>	<b>37</b>	<b>9,386</b>	<b>12,695</b>	<b>23</b>	<b>4,674</b>	<b>7,379</b>	<b>60</b>	<b>14,060</b>	<b>20,074</b>
<b>Grand totals .....</b>	<b>1,075</b>	<b>1,439,219</b>	<b>2,094,364</b>	<b>2,075</b>	<b>1,180,326</b>	<b>1,729,364</b>	<b>3,150</b>	<b>2,619,545</b>	<b>3,823,728</b>

<sup>1</sup> Assessed as one unit.

TABLE 37 A. Cargo Tons Carried Upbound on the Sault Ste. Marie Section of the Seaway by Country of Loading and Unloading

Country of loading	Cargo unloaded								
	In Canada			In United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
Ports between Sault Ste. Marie and Gulf of St. Lawrence:									
Canada .....	277,970	1,270	279,240	2,688	—	2,688	280,658	1,270	281,928
United States .....	42,777	36	42,813	25,248	119	25,367	88,025	155	68,180
<b>Totals .....</b>	<b>320,747</b>	<b>1,306</b>	<b>322,053</b>	<b>27,936</b>	<b>119</b>	<b>28,055</b>	<b>348,683</b>	<b>1,425</b>	<b>350,108</b>
Ports outside the Gulf of St. Lawrence:									
United Kingdom .....	—	927	927	—	508	508	—	1,435	1,435
Belgium .....	—	1,362	1,362	—	3,029	3,029	—	4,391	4,391
France .....	—	—	—	—	7	7	—	7	7
Germany .....	—	518	518	—	422	422	—	940	940
Netherlands .....	—	53	53	—	298	298	—	351	351
<b>Totals .....</b>	<b>—</b>	<b>2,860</b>	<b>2,860</b>	<b>—</b>	<b>4,264</b>	<b>4,264</b>	<b>—</b>	<b>7,124</b>	<b>7,124</b>
<b>Grand totals — Upbound .....</b>	<b>320,747</b>	<b>4,166</b>	<b>324,913</b>	<b>27,936</b>	<b>4,383</b>	<b>32,319</b>	<b>348,683</b>	<b>8,549</b>	<b>357,232</b>

TABLE 37 B. Cargo Tons Carried Downbound on the Sault Ste. Marie Section of the Seaway by Country of Loading and Unloading

Country of unloading	Cargo loaded								
	In Canada			In United States			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
Ports between Sault Ste. Marie and Gulf of St. Lawrence:									
Canada .....	428,230	—	428,230	2,408	—	2,408	430,638	—	430,638
United States .....	145,151	148,395	293,546	12,975	—	12,975	158,126	148,395	306,521
<b>Totals .....</b>	<b>573,381</b>	<b>148,395</b>	<b>721,776</b>	<b>15,383</b>	<b>—</b>	<b>15,383</b>	<b>588,764</b>	<b>148,395</b>	<b>737,159</b>
Ports outside the Gulf of St. Lawrence:									
United States Atlantic Ports .....	—	2,403	2,403	—	—	—	—	2,403	2,403
United Kingdom .....	3,332	—	3,332	—	—	—	3,332	—	3,332
Belgium .....	—	664	664	—	114	114	—	778	778
France .....	—	—	—	1,293	31	1,324	1,293	31	1,324
Germany .....	—	6	6	—	13	13	—	19	19
Italy .....	—	—	—	3,453	—	3,453	3,453	—	3,453
Netherlands .....	—	—	—	—	19	19	—	19	19
Other Europe .....	—	—	—	—	1,294	1,294	—	1,294	1,294
<b>Totals .....</b>	<b>3,332</b>	<b>3,073</b>	<b>6,405</b>	<b>4,746</b>	<b>1,471</b>	<b>6,217</b>	<b>8,078</b>	<b>4,544</b>	<b>12,622</b>
In transit freight .....	..	..	..	..	..	..	116	—	116
<b>Grand totals — Downbound .....</b>	<b>576,713</b>	<b>151,468</b>	<b>728,181</b>	<b>20,129</b>	<b>1,471</b>	<b>21,600</b>	<b>596,958</b>	<b>152,939</b>	<b>749,897</b>

TABLE 38 A. Cargo Tons Upbound on the Sault Ste. Marie Section of the Seaway by Country of Registry of vessel

Loaded at	Registry of vessel	Cargo tons		
		Bulk	General	Total
Ports between Sault Ste. Marie and Gulf of St. Lawrence .....				
	Canada .....	317,597	1,306	318,903
	United States .....	28,236	119	28,355
	United Kingdom .....	2,850	—	2,850
	<b>Totals .....</b>	<b>348,683</b>	<b>1,425</b>	<b>350,108</b>
Ports outside the Gulf of St. Lawrence .....				
	Canada .....	—	1,232	1,232
	United Kingdom .....	—	1,008	1,008
	France .....	—	7	7
	Germany .....	—	4,877	4,877
	<b>Totals .....</b>	<b>—</b>	<b>7,124</b>	<b>7,124</b>
	<b>Grand totals — Upbound .....</b>	<b>348,683</b>	<b>8,549</b>	<b>357,232</b>



TABLE 38 B. Cargo Tons Downbound on the Sault Ste. Marie Section of the Seaway by Country of Registry of Vessel

Unloaded at	Registry of vessel	Cargo tons		
		Bulk	General	Total
Ports between Sault Ste. Marie and Gulf of St. Lawrence .....	Canada .....	575,789	146,699	722,488
	United States .....	12,975	1,696	14,671
	<b>Totals .....</b>	<b>588,764</b>	<b>148,395</b>	<b>737,159</b>
Ports outside the Gulf of St. Lawrence .....	United States .....	484	—	484
	France .....	—	1,294	1,294
	Germany .....	4,141	183	4,324
	Netherlands .....	—	664	664
	Norway .....	—	2,403	2,403
	Panama .....	3,453	—	3,453
	<b>Totals .....</b>	<b>8,078</b>	<b>4,544</b>	<b>12,622</b>
In transit freight .....	116	—	116	
<b>Grand totals - Downbound .....</b>	<b>596,958</b>	<b>152,939</b>	<b>749,897</b>	

TABLE 39. Cargo Carried on the Sault Ste. Marie Section of the Seaway by Kind, Gross Tonnage and Number of Vessels

Kind of vessel and gross tonnage	Upbound						Downbound						Average cargo tons per vessel	
	Number of vessels			Cargo tons			Average cargo tons per vessel	Number of vessels			Cargo tons			
	In ballast	With cargo	Total	Bulk	General	Total		In ballast	With cargo	Total	Bulk	General		Total
<b>Cargo vessel:</b>														
Under 1,000 gross tons ....	45	27	72	3,668	—	3,668	135.9	1,201	4	1,205	566	664	1,230	307.5
1,000 to 1,999 .....	104	20	124	33,169	228	33,397	1,669.9	25	93	118	129,476	76,646	206,122	2,216.4
2,000 " 2,999 .....	105	44	149	47,496	4,720	52,216	1,186.7	28	82	110	199,377	11,705	211,082	2,574.2
3,000 " 3,999 .....	107	54	161	44,186	856	45,042	834.1	13	100	113	105,258	58,965	164,223	1,642.2
4,000 " 4,999 .....	41	11	52	18,476	295	18,771	1,706.4	7	12	19	18,670	4,959	23,629	1,969.1
5,000 " 5,999 .....	6	8	14	17,143	210	17,353	2,169.1	1	1	2	9,916	—	9,916	9,916.0
6,000 " 6,999 .....	30	1	31	6,611	—	6,611	661.1	11	—	11	—	—	—	—
7,000 " 7,999 .....	9	2	11	11,753	2,240	13,993	6,996.5	—	—	—	—	—	—	—
8,000 " 8,999 .....	1	—	1	—	—	—	—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>448</b>	<b>167</b>	<b>615</b>	<b>182,502</b>	<b>8,549</b>	<b>191,051</b>	<b>1,144.0</b>	<b>1,286</b>	<b>292</b>	<b>1,578</b>	<b>463,263</b>	<b>152,939</b>	<b>616,202</b>	<b>2,110.3</b>
<b>Barge or scow:</b>														
Under 1,000 gross tons ....	16	—	16	—	—	—	—	9	8	17	4,525	—	4,525	565.8
1,000 to 1,999 .....	64	2	66	1,840	—	1,840	920.0	1	76	77	71,600	—	71,600	942.1
2,000 " 2,999 .....	3	—	3	—	—	—	—	—	—	—	—	—	—	—
3,000 " 3,999 .....	2	—	2	—	—	—	—	—	—	—	—	—	—	—
4,000 " 4,999 .....	1	—	1	—	—	—	—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>106</b>	<b>2</b>	<b>108</b>	<b>1,840</b>	<b>—</b>	<b>1,840</b>	<b>920.0</b>	<b>10</b>	<b>84</b>	<b>94</b>	<b>76,125</b>	<b>—</b>	<b>76,125</b>	<b>906.3</b>
<b>Tug and scow:<sup>1</sup></b>														
Under 1,000 gross tons ....	6	—	6	—	—	—	—	6	—	6	—	—	—	—
3,000 to 3,999 .....	6	—	6	—	—	—	—	—	—	—	—	—	—	—
7,000 " 7,999 .....	2	—	2	—	—	—	—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>14</b>	<b>—</b>	<b>14</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>6</b>	<b>—</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Tanker:</b>														
1,000 to 1,999 gross tons	6	30	36	77,109	—	77,109	2,570.3	25	11	36	30,130	—	30,130	2,739.1
2,000 " 2,999 .....	3	22	25	83,867	—	83,867	3,812.1	43	2	45	3,863	—	3,863	1,931.5
3,000 " 3,999 .....	3	—	3	—	—	—	—	33	3	36	10,658	—	10,658	3,552.7
4,000 " 4,999 .....	3	2	5	3,365	—	3,365	1,682.5	19	3	22	9,627	—	9,627	3,209.0
5,000 " 5,999 .....	—	—	—	—	—	—	—	11	1	12	3,292	—	3,292	3,292.0
<b>Totals .....</b>	<b>15</b>	<b>54</b>	<b>69</b>	<b>164,341</b>	<b>—</b>	<b>164,341</b>	<b>3,043.4</b>	<b>131</b>	<b>20</b>	<b>151</b>	<b>57,570</b>	<b>—</b>	<b>57,570</b>	<b>2,878.5</b>
<b>Other vessels:</b>														
Under 1,000 gross tons ....	263	—	263	—	—	—	—	244	—	244	—	—	—	—
1,000 to 1,999 .....	3	—	3	—	—	—	—	1	—	1	—	—	—	—
2,000 " 2,999 .....	2	—	2	—	—	—	—	1	—	1	—	—	—	—
3,000 " 3,999 .....	1	—	1	—	—	—	—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>269</b>	<b>—</b>	<b>269</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>246</b>	<b>—</b>	<b>246</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Grand totals .....</b>	<b>852</b>	<b>223</b>	<b>1,075</b>	<b>348,683</b>	<b>8,549</b>	<b>357,232</b>	<b>1,601.9</b>	<b>1,679</b>	<b>396</b>	<b>2,075</b>	<b>596,958</b>	<b>152,939</b>	<b>749,897</b>	<b>1,893.7</b>

<sup>1</sup> Assessed as one unit.

TABLE 40A. Commodities Carried Upbound on the Sault Ste. Marie Section of the Seaway, by Country of Loading and Unloading

Commodity	Canada to		United States to		United Kingdom to		Other Europe to		Total to		Grand total
	Canada	United States	Canada	United States	Canada	United States	Canada	United States	Canada	United States	
	tons										
Food, feed, beverages and tobacco:											
Food and food preparations .....	8,061	—	—	—	—	—	3	—	8,064	—	8,064
Beer, wines and alcoholic beverages .....	768	—	—	—	—	434	—	214	768	648	1,416
Food, beverages, tobacco, n.e.s. ....	496	—	—	—	8	17	—	21	504	38	542
<b>Totals .....</b>	<b>9,325</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>8</b>	<b>451</b>	<b>3</b>	<b>235</b>	<b>9,336</b>	<b>686</b>	<b>10,022</b>
Crude materials, inedible:											
Logs and round timber .....	300	2,638	—	680	—	—	—	—	300	3,318	3,618
Coal, bituminous .....	—	—	27,310	—	—	—	—	—	27,310	—	27,310
Sand and gravel .....	1,840	—	—	—	—	—	—	—	1,840	—	1,840
Limestone .....	—	—	15,371	—	—	—	—	—	15,371	—	15,371
Salt .....	15,025	—	—	—	—	—	—	—	15,025	—	15,025
<b>Totals .....</b>	<b>17,165</b>	<b>2,638</b>	<b>42,681</b>	<b>680</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>59,846</b>	<b>3,318</b>	<b>63,164</b>
Fabricated materials, inedible:											
Chemicals and chemical products .....	7,198	—	—	—	173	—	15	49	7,386	49	7,435
Gasoline .....	41,512	—	3,365	—	—	—	—	—	41,512	3,365	44,877
Fuel Oil .....	95,347	—	21,203	—	—	—	—	—	95,347	21,203	116,550
Pig iron .....	4,139	—	—	—	—	—	—	—	4,139	—	4,139
Structural shapes and sheet piling .....	5,953	—	17	—	16	—	615	1,023	6,601	1,023	7,624
Iron and steel, n.e.s. ....	1,219	—	64	119	20	22	979	1,683	2,282	1,824	4,106
Cement .....	4,703	—	—	—	—	—	—	—	4,703	—	4,703
Miscellaneous fabricated materials, n.e.s. ....	1,260	50	32	—	621	—	77	491	1,990	541	2,531
<b>Totals .....</b>	<b>161,331</b>	<b>50</b>	<b>113</b>	<b>24,687</b>	<b>830</b>	<b>22</b>	<b>1,686</b>	<b>3,246</b>	<b>163,960</b>	<b>28,005</b>	<b>191,965</b>
Miscellaneous freight, n.e.s. ....	5,201	—	19	—	89	35	244	275	5,553	310	5,863
Domestic package freight .....	86,218	—	—	—	—	—	—	—	86,218	—	86,218
<b>Grand totals — Upbound .....</b>	<b>279,240</b>	<b>2,688</b>	<b>42,813</b>	<b>25,367</b>	<b>927</b>	<b>508</b>	<b>1,933</b>	<b>3,756</b>	<b>324,913</b>	<b>32,319</b>	<b>357,232</b>

TABLE 40B. Commodities Carried Downbound on the Sault Ste. Marie Section of the Seaway by Country of Loading and Unloading

Commodity	Canada to					United States to					Grand total
	Canada	United States	United Kingdom	Other Europe	Total	Canada	United States	United Kingdom	Other Europe	Total	
	tons										
Food, feed, beverages and tobacco:											
Barley .....	28,540	10,249	—	—	38,789	—	—	—	—	—	38,789
Corn .....	—	3,521	—	—	3,521	—	—	—	—	—	3,521
Oats .....	26,096	—	—	—	26,096	—	—	—	—	—	26,096
Wheat .....	23,287	—	—	—	23,287	—	—	—	—	—	23,287
Malt .....	41,779	2,340	—	—	44,119	—	—	—	—	—	44,119
Flour, wheat .....	1,343	—	—	—	1,343	—	—	—	—	—	1,343
Fodder and feed .....	74,992	—	2,501	—	77,493	—	—	—	—	—	77,493
Food, beverages, tobacco, n.e.s. ....	765	—	—	—	765	—	—	—	1,455	1,455	2,220
<b>Totals .....</b>	<b>198,802</b>	<b>16,110</b>	<b>2,501</b>	<b>—</b>	<b>215,413</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,455</b>	<b>1,455</b>	<b>216,868</b>
Crude materials, inedible:											
Pulpwood .....	4,403	24,471	—	—	28,874	—	—	—	—	—	28,874
Iron ore .....	9,916	—	—	—	9,916	—	—	—	—	—	9,916
Iron and steel scrap .....	—	—	—	—	—	2,408	—	—	4,746	7,154	7,154
Sand and gravel .....	76,125	—	—	—	76,125	—	—	—	—	—	76,125
Crude materials, inedible, n.e.s. ....	—	—	—	—	—	—	56	—	—	56	56
<b>Totals .....</b>	<b>90,444</b>	<b>24,471</b>	<b>—</b>	<b>—</b>	<b>114,915</b>	<b>2,408</b>	<b>56</b>	<b>—</b>	<b>4,746</b>	<b>7,210</b>	<b>122,125</b>
Fabricated materials, inedible:											
Woodpulp .....	—	95,222	831	—	96,053	—	—	—	—	—	96,053
Newsprint paper .....	—	65,861	—	—	65,861	—	—	—	—	—	65,861
Fuel oil .....	13,135	3,030	—	—	16,165	—	12,919	—	—	12,919	29,084
Tar, pitch and creosote .....	17,888	—	—	—	17,888	—	—	—	—	—	17,888
Iron and steel: ingot, billet, rod, etc. ....	9,812	1,948	—	664	12,424	—	—	—	—	—	12,424
Steel: plate, sheet and strip .....	36,170	41,103	—	—	77,273	—	—	—	—	—	77,273
Structural shapes and sheet piling .....	21,728	10,553	—	—	32,281	—	—	—	—	—	32,281
Iron and steel, n.e.s. ....	6,846	26,797	—	2	33,645	—	—	—	—	—	33,645
Fabricated materials, inedible, n.e.s. ....	1,508	3,476	—	4	4,988	—	—	—	—	—	4,988
<b>Totals .....</b>	<b>107,087</b>	<b>247,990</b>	<b>831</b>	<b>670</b>	<b>356,578</b>	<b>—</b>	<b>12,919</b>	<b>—</b>	<b>—</b>	<b>12,919</b>	<b>369,497</b>
Miscellaneous freight, n.e.s. ....	30	7,378	—	—	7,408	—	—	—	16	16	7,424
Domestic package freight .....	33,867	—	—	—	33,867	—	—	—	—	—	33,867
In transit freight .....	..	..	..	..	..	..	..	..	..	..	116
<b>Grand totals — Downbound .....</b>	<b>428,230</b>	<b>295,949</b>	<b>3,332</b>	<b>670</b>	<b>728,181</b>	<b>2,408</b>	<b>12,975</b>	<b>—</b>	<b>6,217</b>	<b>21,600</b>	<b>749,897</b>



## LACHINE CANAL

TABLE 41. Traffic on the Lachine Canal by Kind and Registry of Vessel

Kind of vessel and country of registry	Upbound							Downbound						
	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
	In ballast	With cargo	Total					In ballast	With cargo	Total				
<b>Cargo vessel:</b>														
Canada .....	409	104	513	313,358	494,388	31,413	—	83	415	498	315,466	496,929	538,775	—
United States .....	2	—	2	1,214	2,085	—	—	1	3	4	719	1,584	1,581	—
United Kingdom .....	73	9	82	20,926	42,160	2,825	—	20	60	80	20,567	41,404	22,817	—
Other countries .....	1	—	1	840	1,591	—	—	2	—	2	866	1,630	—	—
<b>Totals .....</b>	<b>485</b>	<b>113</b>	<b>598</b>	<b>336,338</b>	<b>540,224</b>	<b>34,134</b>	<b>—</b>	<b>106</b>	<b>478</b>	<b>584</b>	<b>337,618</b>	<b>541,547</b>	<b>563,173</b>	<b>—</b>
<b>Scow or barge:</b>														
Canada .....	49	—	49	9,977	10,707	—	—	49	1	50	16,892	18,840	2,123	—
United States .....	—	—	—	—	—	—	—	1	—	1	505	505	—	—
Other countries .....	1	—	1	172	172	—	—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>50</b>	<b>—</b>	<b>50</b>	<b>10,149</b>	<b>10,879</b>	<b>—</b>	<b>—</b>	<b>50</b>	<b>1</b>	<b>51</b>	<b>17,397</b>	<b>19,345</b>	<b>2,123</b>	<b>—</b>
<b>Tanker:</b>														
Canada .....	6	1	7	7,454	11,140	1,660	—	5	—	5	5,754	8,746	—	—
<b>Tug or dredge:</b>														
Canada .....	93	—	93	5,117	9,126	—	—	101	—	101	5,298	9,612	—	—
United States .....	1	—	1	151	151	—	—	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>94</b>	<b>—</b>	<b>94</b>	<b>5,268</b>	<b>9,277</b>	<b>—</b>	<b>—</b>	<b>101</b>	<b>—</b>	<b>101</b>	<b>5,298</b>	<b>9,612</b>	<b>—</b>	<b>—</b>
<b>Tug and scow:<sup>1</sup></b>														
Canada .....	10	—	10	5,297	6,273	—	—	10	—	10	3,474	4,104	—	—
<b>Other vessels:</b>														
Canada .....	30	—	30	1,561	5,006	—	—	21	—	21	1,371	4,010	—	—
<b>Grand totals .....</b>	<b>675</b>	<b>114</b>	<b>789</b>	<b>366,067</b>	<b>582,799</b>	<b>35,898</b>	<b>—</b>	<b>293</b>	<b>479</b>	<b>772</b>	<b>370,910</b>	<b>587,364</b>	<b>565,296</b>	<b>—</b>
Non toll traffic included .....	491	108	599	122,816	203,426	17,820	—	285	302	587	130,870	214,049	78,219	—

<sup>1</sup> Assessed as one unit.

TABLE 42. Number and Tonnage of Vessels Using the Lachine Canal by Origin and Destination, Registry and Rig

Origin and destination and registry of vessel	Steam			Motor			Other			Total		
	Number	Registered net tons	Gross tons	Number	Registered net tons	Gross tons	Number	Registered net tons	Gross tons	Number	Registered net tons	Gross tons
<b>Upbound</b>												
<b>Canada to Canada:</b>												
Canada .....	127	111,098	179,186	454	131,239	213,535	58	14,285	15,964	639	256,622	408,685
United States .....	2	1,187	1,843	10	7,452	11,578	—	—	—	12	8,639	13,421
United Kingdom .....	2	576	1,106	78	19,998	40,274	—	—	—	80	20,574	41,380
Other countries .....	—	—	—	1	840	1,591	1	172	172	2	1,012	1,763
<b>Totals .....</b>	<b>131</b>	<b>112,861</b>	<b>182,135</b>	<b>543</b>	<b>159,529</b>	<b>266,978</b>	<b>59</b>	<b>14,457</b>	<b>16,136</b>	<b>733</b>	<b>286,847</b>	<b>465,249</b>
<b>Canada to United States:</b>												
Canada .....	13	18,279	28,614	36	56,777	82,822	—	—	—	49	75,056	111,436
<b>United States to Canada:</b>												
Canada .....	—	—	—	5	3,812	5,334	—	—	—	5	3,812	5,334
<b>United Kingdom to Canada:</b>												
United Kingdom .....	—	—	—	2	352	780	—	—	—	2	352	780
<b>Totals — Upbound .....</b>	<b>144</b>	<b>131,140</b>	<b>210,749</b>	<b>586</b>	<b>220,470</b>	<b>355,914</b>	<b>59</b>	<b>14,457</b>	<b>16,136</b>	<b>789</b>	<b>366,067</b>	<b>582,799</b>
<b>Downbound</b>												
<b>Canada to Canada:</b>												
Canada .....	124	109,110	177,177	434	122,289	198,358	60	20,366	22,944	618	251,765	398,479
United States .....	—	—	—	4	719	1,584	—	—	—	4	719	1,584
United Kingdom .....	2	576	1,106	78	19,991	40,298	—	—	—	80	20,567	41,404
Other countries .....	—	—	—	2	866	1,630	—	—	—	2	866	1,630
<b>Totals .....</b>	<b>126</b>	<b>109,686</b>	<b>178,283</b>	<b>518</b>	<b>143,865</b>	<b>241,870</b>	<b>60</b>	<b>20,366</b>	<b>22,944</b>	<b>704</b>	<b>273,917</b>	<b>443,097</b>
<b>Canada to United States:</b>												
Canada .....	—	—	—	4	776	982	—	—	—	4	776	982
<b>United States to Canada:</b>												
Canada .....	18	25,368	39,030	45	70,344	103,750	—	—	—	63	95,712	142,780
United States .....	—	—	—	—	—	—	1	505	505	1	505	505
<b>Totals — Downbound .....</b>	<b>144</b>	<b>135,054</b>	<b>217,313</b>	<b>567</b>	<b>214,985</b>	<b>346,602</b>	<b>61</b>	<b>20,871</b>	<b>23,449</b>	<b>772</b>	<b>370,910</b>	<b>587,364</b>
<b>Grand totals .....</b>	<b>288</b>	<b>266,194</b>	<b>428,062</b>	<b>1,153</b>	<b>435,455</b>	<b>702,516</b>	<b>120</b>	<b>35,328</b>	<b>39,585</b>	<b>1,561</b>	<b>736,977</b>	<b>1,170,163</b>

TABLE 43. Commodities and Passengers Carried through the Lachine Canal by Country of Loading and Unloading

Commodity	Canada to Canada		Canada to other countries		United States to Canada		Total	
	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound
	tons							
Barley .....	3,609	9,702	—	—	—	—	3,609	9,702
Corn .....	—	2,976	—	—	3,093	6,214	3,093	9,190
Oats .....	782	2,393	—	—	—	—	782	2,393
Wheat .....	4,213	260,262	—	—	2,336	17,665	6,549	277,927
Malt .....	—	32,104	—	—	—	—	—	32,104
Soyabeans .....	—	1,241	—	—	—	—	—	1,241
Coal, bituminous .....	—	—	—	—	1,253	154,414	1,253	154,414
Sand, gravel and stone .....	2,790	—	—	—	—	—	2,790	—
Wood fabricated materials .....	11,783	653	—	—	—	—	11,783	653
Paper and paperboard, n.e.s. ....	2,283	63	—	—	—	—	2,283	63
Chemical products, n.e.s. ....	—	2,123	—	—	—	—	—	2,123
Fuel oil .....	1,660	75	—	—	—	—	1,660	75
Iron and steel: ingot, billet, rod, etc .....	—	2,393	—	—	—	—	—	2,393
Structural shapes and sheet piling .....	—	684	—	—	—	—	—	684
Iron and steel, n.e.s. ....	—	1,763	—	—	—	—	—	1,763
Cement .....	391	2,727	—	—	—	—	391	2,727
Miscellaneous fabricated materials, n.e.s. ....	2	368	—	—	—	—	2	368
Machinery, equipment and parts .....	89	81	—	—	—	—	89	81
End products, inedible, n.e.s. ....	326	22	—	—	—	—	326	22
Miscellaneous freight, n.e.s. ....	1,251	62,215	—	—	—	—	1,251	62,215
Domestic package freight .....	37	5,158	—	—	—	—	37	5,158
<b>Totals</b> .....	<b>29,216</b>	<b>387,003</b>	—	—	<b>6,682</b>	<b>178,293</b>	<b>35,898</b>	<b>565,296</b>
Non toll traffic included in above .....	17,820	78,219	—	—	—	—	17,820	78,219
Passengers .....	No.	—	—	—	—	—	—	—

## CORNWALL CANAL

TABLE 44. Traffic on the Cornwall Canal by Kind and Registry of Vessel

Kind of vessel and country of registry	Upbound							Downbound						
	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
	In ballast	With cargo	Total					In ballast	With ballast	Total				
<b>Cargo vessel:</b>														
Canada .....	1	30	31	44,735	56,655	94,603	—	30	—	30	44,367	56,199	—	—
Other countries .....	—	1	1	836	1,617	1,781	—	1	—	1	836	1,617	—	—
<b>Totals</b> .....	<b>1</b>	<b>31</b>	<b>32</b>	<b>45,571</b>	<b>58,272</b>	<b>96,384</b>	—	<b>31</b>	—	<b>31</b>	<b>45,203</b>	<b>57,816</b>	—	—
<b>Scow or barge:</b>														
Canada .....	18	—	18	4,164	4,164	—	—	73	—	73	10,346	10,346	—	—
<b>Tanker:</b>														
Canada .....	—	24	24	28,525	46,174	60,577	—	22	—	22	26,179	41,903	—	—
<b>Tug or dredge:</b>														
Canada .....	40	—	40	1,437	4,222	—	—	89	—	89	2,580	8,789	—	—
<b>Tug and scow:<sup>1</sup></b>														
Canada .....	12	—	12	1,831	2,195	—	—	32	—	32	3,410	4,907	—	—
United States .....	—	8	8	5,048	5,639	9,230	—	6	—	6	3,786	4,230	—	—
<b>Totals</b> .....	<b>12</b>	<b>8</b>	<b>20</b>	<b>6,879</b>	<b>7,834</b>	<b>9,230</b>	—	<b>38</b>	—	<b>38</b>	<b>7,196</b>	<b>9,137</b>	—	—
<b>Other vessels:</b>														
Canada .....	37	—	37	1,629	3,980	—	—	159	—	159	6,674	10,842	—	—
United States .....	1	—	1	107	107	—	—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>38</b>	—	<b>38</b>	<b>1,736</b>	<b>4,087</b>	—	—	<b>159</b>	—	<b>159</b>	<b>6,674</b>	<b>10,842</b>	—	—
<b>Grand totals</b> .....	<b>109</b>	<b>63</b>	<b>172</b>	<b>88,312</b>	<b>124,753</b>	<b>166,191</b>	—	<b>412</b>	—	<b>412</b>	<b>98,178</b>	<b>138,833</b>	—	—
Non toll traffic included .....	79	—	79	6,503	11,098	—	—	318	—	318	19,211	29,862	—	—

<sup>1</sup> Assessed as one unit.



TABLE 45. Number and Tonnage of Vessels Using the Cornwall Canal, by Origin and Destination, Registry and Rig

Origin and destination and registry of vessel	Steam			Motor			Other			Total		
	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Upbound</b>												
Canada to Canada:												
Canada .....	23	20,040	35,093	106	52,176	68,852	30	5,995	6,359	159	78,211	110,304
United States .....	—	—	—	1	107	107	—	—	—	1	107	107
<b>Totals .....</b>	<b>23</b>	<b>20,040</b>	<b>35,093</b>	<b>107</b>	<b>52,283</b>	<b>68,959</b>	<b>30</b>	<b>5,995</b>	<b>6,359</b>	<b>160</b>	<b>78,318</b>	<b>110,411</b>
United States to Canada:												
Canada .....	3	4,110	7,086	—	—	—	—	—	—	3	4,110	7,086
United States .....	—	—	—	—	—	—	8	5,048	5,639	8	5,048	5,639
<b>Totals .....</b>	<b>3</b>	<b>4,110</b>	<b>7,086</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>8</b>	<b>5,048</b>	<b>5,639</b>	<b>11</b>	<b>9,158</b>	<b>12,725</b>
United Kingdom to Canada:												
Other countries .....	—	—	—	1	836	1,617	—	—	—	1	836	1,617
<b>Totals — Upbound .....</b>	<b>26</b>	<b>24,150</b>	<b>42,179</b>	<b>108</b>	<b>53,119</b>	<b>70,576</b>	<b>38</b>	<b>11,043</b>	<b>11,998</b>	<b>172</b>	<b>88,312</b>	<b>124,753</b>
<b>Downbound</b>												
Canada to Canada:												
Canada .....	28	20,045	35,729	269	55,524	75,461	105	13,756	15,253	402	89,325	126,443
Other countries .....	—	—	—	1	836	1,617	—	—	—	1	836	1,617
<b>Totals .....</b>	<b>28</b>	<b>20,045</b>	<b>35,729</b>	<b>270</b>	<b>56,360</b>	<b>77,078</b>	<b>105</b>	<b>13,756</b>	<b>15,253</b>	<b>403</b>	<b>90,161</b>	<b>128,060</b>
Canada to United States:												
Canada .....	2	2,740	4,724	1	1,491	1,819	—	—	—	3	4,231	6,543
United States .....	—	—	—	—	—	—	6	3,786	4,230	6	3,786	4,230
<b>Totals .....</b>	<b>2</b>	<b>2,740</b>	<b>4,724</b>	<b>1</b>	<b>1,491</b>	<b>1,819</b>	<b>6</b>	<b>3,786</b>	<b>4,230</b>	<b>9</b>	<b>8,017</b>	<b>10,773</b>
<b>Totals — Downbound .....</b>	<b>30</b>	<b>22,785</b>	<b>40,453</b>	<b>271</b>	<b>57,851</b>	<b>78,897</b>	<b>111</b>	<b>17,542</b>	<b>19,483</b>	<b>412</b>	<b>98,178</b>	<b>138,833</b>
<b>Grand totals .....</b>	<b>56</b>	<b>46,935</b>	<b>82,632</b>	<b>379</b>	<b>110,970</b>	<b>149,473</b>	<b>149</b>	<b>28,585</b>	<b>31,481</b>	<b>584</b>	<b>186,490</b>	<b>263,586</b>

TABLE 46. Commodities and Passengers Carried through the Cornwall Canal by Country of Loading and Unloading

Commodity	Canada to Canada		United Kingdom to Canada		United States to Canada		Total	
	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound
	tons							
Coal, bituminous .....	83,706	—	—	—	4,951	—	88,657	—
Salt .....	5,946	—	—	—	—	—	5,946	—
Fuel oil .....	60,577	—	—	—	—	—	60,577	—
Clay and bentonite .....	—	—	1,781	—	—	—	1,781	—
Chemical products n.e.s. ....	—	—	—	—	9,230	—	9,230	—
<b>Totals .....</b>	<b>150,229</b>	<b>—</b>	<b>1,781</b>	<b>—</b>	<b>14,181</b>	<b>—</b>	<b>166,191</b>	<b>—</b>
Passengers .....	No.	—	—	—	—	—	—	—

TABLE 47 A. Cargo Tons Carried through the St. Lawrence and/or Welland Canals, Loaded and Unloaded at Canadian Ports<sup>1</sup>

Port	Unloaded			Loaded			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
Fort William-Port Arthur .....	295,362	17,269	312,631	5,484,705	6,014	5,490,719	5,780,067	23,283	5,803,350
Other Canadian Lake Superior ports .....	23,909	933	24,842	143,288	5,144	148,432	167,197	6,077	173,274
Canadian Lake Huron ports .....	84,180	747	84,927	105,911	16,561	122,472	190,091	17,308	207,399
Other Georgian Bay ports .....	40,291	—	40,291	146,910	—	146,910	187,201	—	187,201
Sarnia .....	210,211	1,116	211,327	474,039	40,278	514,317	684,250	41,394	725,644
Windsor .....	146,465	9,467	155,932	58,962	4,296	63,258	205,427	13,763	219,190
Canadian St. Clair Lake and river and Detroit river ports .....	15,492	—	15,492	121,519	462	121,981	137,011	462	137,473
Port Colborne .....	133,357	103	133,460	629,063	11,023	640,086	762,420	11,126	773,546
Canadian Lake Erie ports .....	123,853	814	124,667	70,241	509	70,750	194,094	1,323	195,417
Thorold .....	497,334	4,774	502,108	39,976	175,240	215,215	537,309	180,014	717,323
Port Weller .....	57,461	7,385	64,846	2,057	1,200	3,257	59,518	8,585	68,103
Other Canadian Welland Canal ports .....	465,954	164	466,118	745,374	2,005	747,379	1,211,328	2,169	1,213,497
Hamilton .....	7,413,758	61,143	7,474,901	380,459	155,526	535,985	7,794,217	216,669	8,010,886
Port Credit .....	107,972	—	107,972	11,343	—	11,343	119,315	—	119,315
Toronto .....	3,036,947	279,431	3,318,378	427,967	59,105	487,072	3,466,914	338,536	3,805,450
Picton .....	11,753	—	11,753	453,690	—	453,690	465,443	—	465,443
Kingston .....	542,050	3,945	545,995	403,194	3,214	406,408	945,244	7,159	952,403
Prescott .....	742,274	—	742,274	459,101	—	459,101	1,201,375	—	1,201,375
Cornwall .....	174,288	—	174,288	—	—	—	174,288	—	174,288
Other Canadian Lake Ontario ports and St. Lawrence river to Iroquois .....	517,236	6,629	523,865	438,302	—	438,302	955,538	6,629	962,167
Canadian St. Lawrence canal ports .....	68,361	—	68,361	520	—	520	68,881	—	68,881
Lachine canal <sup>1</sup> .....	765,467	—	765,467	3,187	—	3,187	768,654	—	768,654
Montreal .....	3,377,156	17,226	3,394,382	1,909,404	20,714	1,930,118	5,286,560	37,940	5,324,500
Contrecoeur .....	15,434	—	15,434	582,074	—	582,074	597,508	—	597,508
Sorel .....	578,347	—	578,347	150,213	—	150,213	728,560	—	728,560
Three Rivers .....	927,418	—	927,418	—	90,023	90,023	927,418	90,023	1,017,441
Sept Iles .....	81,812	—	81,812	4,869,991	—	4,869,991	4,951,803	—	4,951,803
Other Canadian St. Lawrence river ports East of Montreal .....	2,451,797	—	2,451,797	685,969	156,925	842,894	3,137,766	156,925	3,294,691
Halifax .....	157,557	—	157,557	—	8	8	157,557	8	157,565
Saint John .....	9,408	—	9,408	—	—	—	9,408	—	9,408
Other Canadian Atlantic Coast and Gulf of St. Lawrence ports .....	90,591	310	90,901	184,991	70,609	255,600	275,582	70,919	346,501
<b>Totals .....</b>	<b>23,165,495</b>	<b>411,456</b>	<b>23,576,951</b>	<b>18,982,449</b>	<b>818,856</b>	<b>19,801,305</b>	<b>42,147,944</b>	<b>1,230,312</b>	<b>43,378,256</b>

TABLE 47 B. Cargo Tons Carried through the St. Lawrence and/or Welland Canals, Loaded and Unloaded at United States Ports<sup>1</sup>

Port	Unloaded			Loaded			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
Duluth .....	—	20,454	20,454	2,566,669	23,777	2,590,446	2,566,669	44,231	2,610,900
Superior .....	—	—	—	535,380	67	535,447	535,380	67	535,447
Other United States Lake Superior ports .....	—	—	—	3,529,947	—	3,529,947	3,529,947	—	3,529,947
Chicago .....	79,174	568,750	647,924	1,919,689	218,555	2,138,244	1,998,863	787,305	2,786,168
Milwaukee .....	6,431	64,343	70,774	416,112	71,614	487,726	422,543	135,957	558,500
Other United States Lake Michigan ports .....	410,885	33,650	444,535	268,957	47,444	316,401	679,842	81,094	760,936
United States Lake Huron ports .....	29,040	3,054	32,094	303,270	21,434	324,704	332,310	24,488	356,798
Detroit .....	1,090,721	269,439	1,360,160	248,906	203,449	452,355	1,339,627	472,888	1,812,515
Other United States St. Clair Lake and river and Detroit river ports .....	217,414	314	217,728	148,686	2,562	151,248	366,100	2,876	368,976
Ashtabula .....	1,526,998	1,251	1,528,249	1,298,044	—	1,298,044	2,825,042	1,251	2,826,293
Buffalo .....	874,593	22,939	897,532	169,406	7,505	176,911	1,043,999	30,444	1,074,443
Cleveland .....	2,928,347	238,510	3,166,857	42,131	39,793	81,924	2,970,478	278,303	3,248,781
Conneaut .....	8,412	—	8,412	223,366	60	223,446	231,798	60	231,858
Erie .....	49,004	1,592	50,596	255,333	6,348	261,681	304,337	7,940	312,277
Lackawanna .....	36,285	—	36,285	—	—	—	36,285	—	36,285
Lorain .....	158,022	—	158,022	3,625	—	3,625	161,647	—	161,647
Sandusky .....	—	—	—	473,177	—	473,177	473,177	—	473,177
Toledo .....	420,067	50,981	471,048	4,141,984	38,455	4,180,439	4,562,051	89,436	4,651,487
Other United States Lake Erie ports .....	307,172	695	307,867	242,203	—	242,203	549,375	695	550,070
Oswego .....	202,101	1,021	203,122	51,527	16,622	68,149	253,628	17,643	271,271
Rochester .....	7	19,785	19,792	1,200	3,958	5,158	1,207	23,743	24,950
Other United States Lake Ontario and St. Lawrence river to Ogdensburg .....	182,540	100	182,640	96,272	4,250	100,522	278,812	4,350	283,162
United States St. Lawrence canal ports .....	131,886	—	131,886	3,353	—	3,353	135,239	—	135,239
United States Atlantic and Gulf of Mexico ports .....	187,059	7,811	194,870	366,775	2,755	369,530	553,834	10,566	564,400
United States Hudson River ports .....	99,495	—	99,495	67,427	—	67,427	166,922	—	166,922
United States Pacific Coast ports .....	—	390	390	—	4,449	4,449	—	4,839	4,839
<b>Totals .....</b>	<b>8,945,653</b>	<b>1,305,079</b>	<b>10,250,732</b>	<b>17,373,459</b>	<b>713,097</b>	<b>18,086,556</b>	<b>26,319,112</b>	<b>2,018,176</b>	<b>28,337,286</b>
<b>Grand totals .....</b>	<b>32,111,148</b>	<b>1,716,535</b>	<b>33,827,683</b>	<b>36,355,908</b>	<b>1,513,953</b>	<b>37,869,861</b>	<b>68,467,056</b>	<b>3,248,488</b>	<b>71,715,544</b>

<sup>1</sup> Non toll traffic excluded.



TABLE 48. Cargo Tons Carried through the Sault Ste. Marie Canal only, Loaded and Unloaded at Canadian and United States Ports

Port	Unloaded			Loaded			Total		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
<b>In Canada:</b>									
Fort William - Port Arthur.....	116,900	19	116,919	190,034	68,032	258,066	306,934	68,051	374,985
Other Canadian Lake Superior ports .....	116,391	17	116,408	258,289	80,363	338,652	374,680	80,380	455,060
Canadian Lake Huron ports.....	99,108	—	99,108	5,599	—	5,599	104,707	—	104,707
Midland.....	4,927	—	4,927	—	—	—	4,927	—	4,927
Other Georgian Bay ports .....	114,853	—	114,853	3,155	—	3,155	118,008	—	118,008
Sarnia.....	10,054	—	10,054	147,251	—	147,251	157,305	—	157,305
Windsor.....	62,485	—	62,485	22,962	—	22,962	85,447	—	85,447
Other Canadian St. Clair Lake and river and Detroit river ports.....	62	—	62	4,758	—	4,758	4,820	—	4,820
Port Colborne .....	11,683	—	11,683	4,332	—	4,332	16,015	—	16,015
Other Canadian Lake Erie ports.....	—	—	—	5,145	—	5,145	5,145	—	5,145
<b>Totals.....</b>	<b>536,463</b>	<b>36</b>	<b>536,499</b>	<b>641,525</b>	<b>148,395</b>	<b>789,920</b>	<b>1,177,988</b>	<b>148,431</b>	<b>1,326,419</b>
<b>In United States:</b>									
Superior .....	27,936	119	28,055	12,919	—	12,919	40,855	119	40,974
Other United States Lake Superior ports.....	—	—	—	56	—	56	56	—	56
Chicago .....	3,292	23,934	27,226	18,769	—	18,769	22,061	23,934	45,995
Milwaukee .....	11,764	59,377	71,141	64	17	81	11,828	59,394	71,222
Other United States Lake Michigan ports .....	105,585	566	106,151	—	—	—	105,585	566	106,151
United States Lake Huron ports .....	2,990	—	2,990	16,051	—	16,051	19,041	—	19,041
Detroit .....	13,768	60,577	74,345	5,799	—	5,799	19,567	60,577	80,144
Other United States St. Clair Lake and river and Detroit river ports .....	875	—	875	—	—	—	875	—	875
Buffalo .....	2,340	—	2,340	—	—	—	2,340	—	2,340
Cleveland.....	635	3,941	4,576	—	138	138	635	4,079	4,714
Toledo .....	1,485	—	1,485	27,342	—	27,342	28,827	—	28,827
Other United States Lake Erie ports .....	15,392	—	15,392	—	—	—	15,392	—	15,392
<b>Totals.....</b>	<b>186,062</b>	<b>148,514</b>	<b>334,576</b>	<b>81,000</b>	<b>155</b>	<b>81,155</b>	<b>267,062</b>	<b>148,669</b>	<b>415,731</b>
<b>Grand totals.....</b>	<b>722,525</b>	<b>148,550</b>	<b>871,075</b>	<b>722,525</b>	<b>148,550</b>	<b>871,075</b>	<b>1,445,050</b>	<b>297,100</b>	<b>1,742,150</b>

TABLE 49. Traffic through the Canadian and United States Sault Ste. Marie Canals<sup>1</sup>

	Upbound			Downbound			Grand total 1962	Grand total 1961
	Canadian canal	United States Canal <sup>2</sup>	Total	Canadian canal	United States Canal <sup>2</sup>	Total		
Vessel passages .....	1,075	7,006	8,081	2,075	6,023	8,098	16,179	17,487
Passengers .....	12,232	121,947	134,179	133,976	7,681	141,657	275,836	290,672
Cargo tons								
Paper and woodpulp.....	—	—	—	161,914	127,384	289,298	289,298	279,076
Pulpwood, lumber and logs.....	3,618	165	3,783	28,874	169,593	198,467	202,250	250,178
Wheat .....	—	227	227	23,287	7,553,238	7,576,525	7,576,752	10,176,804
Barley .....	—	—	—	38,789	1,494,934	1,533,723	1,533,723	1,355,993
Oats .....	—	—	—	26,096	760,301	786,397	786,397	713,875
Corn .....	—	9,762	9,762	3,521	692,416	695,937	705,699	579,615
Rye .....	—	4,704	4,704	—	421,216	421,216	425,920	194,530
Flaxseed .....	—	—	—	—	410,191	410,191	410,191	341,471
Flour .....	—	3,220	3,220	1,343	87,019	88,362	91,562	76,667
Other grain and mill products.....	—	10,549	10,549	121,612	285,032	406,644	417,193	245,047
Iron ore .....	—	55,753	55,753	9,916	56,952,765	56,962,681	57,018,434	55,918,874
Manufactured iron and steel.....	11,730	171,779	183,509	155,623	234,618	390,241	573,750	475,416
Pig iron .....	4,139	6,236	10,375	—	234,720	234,720	245,095	237,352
Scrap iron .....	—	16,676	16,676	7,154	113,978	121,132	137,808	299,897
Sand, gravel and stone .....	17,211	1,378,878	1,396,089	76,125	900	77,025	1,473,114	1,414,284
Fuel oil .....	116,550	388,329	504,879	29,084	33,245	62,329	567,208	498,879
Other petroleum products .....	—	—	—	17,888	13,264	31,152	31,152	60,576
Gasoline .....	44,877	171,476	216,353	—	14,871	14,871	231,224	262,890
Cement.....	4,703	225,115	229,818	—	1,773	1,773	231,591	238,733
Coal, bituminous .....	27,310	6,588,170	6,615,480	—	11,200	11,200	6,626,680	6,497,236
Coal, anthracite .....	—	64,493	64,493	—	—	—	64,493	80,109
Coke.....	—	1,575	1,575	—	20,750	20,750	22,325	3,750
Salt.....	15,025	—	15,025	—	—	—	15,025	8,902
Autos, trucks and parts.....	—	2,940	2,940	—	70	70	3,010	2,901
Other freight .....	112,069	457,145	569,214	48,671	92,563	141,234	710,448	825,026
<b>Totals.....</b>	<b>357,232</b>	<b>9,557,192</b>	<b>9,914,424</b>	<b>749,897</b>	<b>69,726,041</b>	<b>70,475,938</b>	<b>80,390,362</b>	<b>81,038,081</b>

<sup>1</sup> 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.

<sup>2</sup> Sault Ste. Marie, U.S. locks are: (1) Poe Lock - Length 704 ft., depth 16.6 ft.  
 (2) Davis Lock - Length 1,350 ft., width 80 ft., depth 23.1 ft.  
 (3) Sabln Lock - Length 1,350 ft., width 80 ft., depth 23.1 ft.  
 (4) MacArthur Lock - Length 800 ft., width 80 ft., depth 31.0 ft.

TABLE 50. Cargo Tons Carried in Interlake Traffic<sup>1</sup>

From lake or area	To							Totals
	Lake Superior	Lake Michigan	Lake Huron	Lake Erie <sup>2</sup>	Lake Ontario <sup>3</sup>	St. Lawrence river	Beyond the Gulf of St. Lawrence <sup>4</sup>	
	tons							
Lake Superior .....	...	19,036,430 <sup>5</sup>	1,689,515 <sup>5</sup>	37,565,230 <sup>5</sup>	5,482,589	3,748,620	3,010,428	70,532,812
Lake Michigan .....	883,690 <sup>5</sup>	...	..	..	576,792	900,786	1,434,650	..
Lake Huron .....	2,031,032 <sup>3</sup>	..	..	..	221,712	236,481	133,816	..
Lake Erie <sup>2</sup> .....	6,520,597 <sup>3</sup>	..	..	..	5,126,065	2,017,967	1,212,863	..
Lake Ontario <sup>3</sup> .....	267,596	181,695	83,824	1,340,088	...	1,374,335	605,876	3,853,414
St. Lawrence river .....	55,980	420,423	57,657	6,126,668	1,572,740	...	15,908	8,249,576
Beyond the Gulf of St. Lawrence <sup>4</sup> .....	34,126	547,793	3,944	737,881	1,104,451	18,886	...	2,447,081
<b>Totals</b> .....	<b>9,793,021</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>14,084,349</b>	<b>8,297,075</b>	<b>6,413,541</b>	<b>..</b>

<sup>1</sup> "Way" traffic on the St. Lawrence and Welland Ship canals which originates and terminates within the same canal is excluded from this table.

<sup>2</sup> Canadian data includes Canadian and United States Detroit river ports and Lake St. Clair and St. Clair river ports.

<sup>3</sup> Canadian data includes Welland Ship Canal ports and St. Lawrence river ports to Iroquois.

<sup>4</sup> Includes traffic using Lachine canal only but excludes traffic moving via the New York State Barge Canal.

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

TABLE 51. Cargo Carried through St. Lawrence Seaway Canal Networks excluding duplications<sup>1</sup>

Canal network	Corn	Wheat	Iron ore	Iron and steel scrap	Bituminous coal	Newsprint	Fuel oil	All other freight	1962 Total	1961 Total
	tons									
Upbound:										
St. Lawrence and Ottawa .....	—	—	—	—	—	—	—	—	—	777
St. Lawrence only .....	—	—	24,310	—	428,253	14,534	277,812	653,609	1,398,518	2,642,825
St. Lawrence and Welland .....	—	—	5,855,418	—	157,446	300,202	174,575	1,792,244	8,279,885	5,578,107
St. Lawrence, Welland and Sault Ste. Marie <sup>2</sup> .....	—	—	—	—	—	—	—	29,354	29,354	26,082
Welland only .....	—	570	453,690	2,000	32,307	176,978	206,177	1,608,856	2,480,578	1,952,289
Welland and Sault Ste. Marie <sup>2</sup> .....	—	—	—	—	—	—	5,404	61,092	66,496	88,178
Sault Ste. Marie only <sup>2</sup> .....	—	35	—	—	27,310	—	111,146	122,891	261,382	353,613
<b>Totals</b> .....	<b>—</b>	<b>605</b>	<b>6,333,418</b>	<b>2,000</b>	<b>645,316</b>	<b>491,714</b>	<b>775,114</b>	<b>4,268,046</b>	<b>12,516,213</b>	<b>10,641,792</b>
Downbound:										
St. Lawrence and Ottawa .....	—	—	—	—	—	—	—	—	—	198,521
St. Lawrence only .....	25,627	841,473	—	61,055	138,977	835	11,142	918,798	1,997,907	2,390,571
St. Lawrence and Welland .....	2,168,509	4,042,342	76,315	219,323	407,500	3,773	83,711	5,689,525	12,690,996	12,779,239
St. Lawrence, Welland and Sault Ste. Marie <sup>2</sup> .....	—	5,695	—	4,746	—	2,403	—	85,445	98,289	57,149
Welland only .....	332,862	1,255,556	3,888,992	52,237	4,262,066	2,335	410,670	1,510,734	11,715,452	10,876,134
Welland and Sault Ste. Marie <sup>2</sup> .....	—	1,691	—	2,408	—	—	3,751	33,949	41,799	47,196
Sault Ste. Marie only <sup>2</sup> .....	3,521	15,901	9,916	—	—	63,458	25,333	491,564	609,693	568,831
<b>Totals</b> .....	<b>2,530,519</b>	<b>6,162,658</b>	<b>3,975,223</b>	<b>339,769</b>	<b>4,808,543</b>	<b>72,804</b>	<b>534,607</b>	<b>8,730,015</b>	<b>27,154,138</b>	<b>26,917,107</b>

<sup>1</sup> Includes traffic using Lachine canal.

<sup>2</sup> Traffic through United States locks at Sault Ste. Marie is not considered in eliminating duplications.

TABLE 52. Passengers Carried through St. Lawrence Seaway Canals by Origin and Destination of Vessel

	Upbound									
	Canada to		United States to		Other countries to		Total to			
	Canada	United States	Canada	United States	Canada	United States	Canada	United States		
	number									
St. Lawrence section .....	33	828	—	2,888	208	97	241	3,813		
Welland section .....	—	1,352	—	345	1	97	1	1,794		
Sault Ste. Marie section .....	3,956	3,958	1,215	3,102	—	1	5,171	7,061		
<b>Totals</b> .....	<b>3,989</b>	<b>6,138</b>	<b>1,215</b>	<b>6,335</b>	<b>209</b>	<b>195</b>	<b>5,413</b>	<b>12,668</b>		
	Downbound									
	Canada to			United States to			Total to			
	Canada	United States	Other countries	Canada	United States	Other countries	Canada	United States	Other countries	
	number									
St. Lawrence section .....	389	—	126	713	3,143	99	1,102	3,143	325	
Welland section .....	364	—	18	1,199	344	99	1,563	344	117	
Sault Ste. Marie section .....	6,335	938	—	117,053	9,650	—	123,388	10,588	—	
<b>Totals</b> .....	<b>7,088</b>	<b>938</b>	<b>144</b>	<b>118,965</b>	<b>13,137</b>	<b>198</b>	<b>126,053</b>	<b>14,075</b>	<b>342</b>	



TABLE 53. Water Freight Charges on the Great Lakes for Wheat, 1962 and 1961

Port William-Port Arthur to	1962			1961		
	Average charge per bushel <sup>1</sup>	Average charge per ton	Average charge per ton-mile	Average charge per bushel <sup>1</sup>	Average charge per ton	Average charge per ton-mile
	cents	\$	cents	cents	\$	cents
<b>Montreal:</b>						
April .....	—	—	—	13.00	4.33	0.353
May .....	13.00	4.33	0.353	13.00	4.33	0.353
June .....	13.00	4.33	0.353	13.00	4.33	0.353
July .....	12.72	4.24	0.345	13.00	4.33	0.353
August .....	12.05	4.02	0.327	13.00	4.33	0.353
September .....	10.68	3.56	0.290	13.00	4.33	0.353
October .....	10.25	3.42	0.279	13.01	4.33	0.353
November .....	10.24	3.41	0.278	13.15	4.38	0.357
December .....	10.25	3.42	0.279	13.00	4.33	0.353
<b>Average .....</b>	<b>11.56</b>	<b>3.85</b>	<b>0.314</b>	<b>13.02</b>	<b>4.34</b>	<b>0.353</b>
Winter storage .....	14.11	4.70	0.383	16.50	5.50	0.448
<b>Goderich and Georgian Bay ports:</b>						
April .....	—	—	—	5.00	1.67	0.310
May .....	5.00	1.67	0.310	5.00	1.67	0.310
June .....	5.00	1.67	0.310	5.00	1.67	0.310
July .....	4.95	1.65	0.307	5.00	1.67	0.310
August .....	4.05	1.35	0.251	5.00	1.67	0.310
September .....	4.02	1.34	0.249	5.00	1.67	0.310
October .....	3.59	1.20	0.223	5.10	1.70	0.318
November .....	3.62	1.21	0.225	5.06	1.69	0.314
December .....	4.12	1.37	0.255	5.39	1.80	0.335
<b>Average .....</b>	<b>3.83</b>	<b>1.28</b>	<b>0.238</b>	<b>5.06</b>	<b>1.69</b>	<b>0.314</b>
Winter storage .....	6.14	2.71	0.504	9.90	3.30	0.613
<b>Port Colborne:</b>						
April .....	—	—	—	6.50	2.17	0.256
May .....	6.50	2.17	0.256	6.50	2.17	0.256
June .....	6.50	2.17	0.256	6.50	2.17	0.256
July .....	6.32	2.11	0.249	6.50	2.17	0.256
August .....	5.50	1.83	0.216	6.50	2.17	0.256
September .....	5.50	1.83	0.216	6.50	2.17	0.256
October .....	5.00	1.67	0.197	6.50	2.17	0.256
November .....	5.00	1.67	0.197	6.53	2.18	0.257
December .....	5.61	1.87	0.221	6.50	2.17	0.256
<b>Average .....</b>	<b>5.48</b>	<b>1.83</b>	<b>0.216</b>	<b>6.50</b>	<b>2.17</b>	<b>0.256</b>
Winter storage .....	10.00	3.33	0.393	11.24	3.75	0.442
<b>Buffalo:</b>						
April .....	—	—	—	—	—	—
May .....	8.00	2.67	0.310	8.00	2.67	0.310
June .....	8.00	2.67	0.310	8.00	2.67	0.310
July .....	—	—	—	8.00	2.67	0.310
August .....	—	—	—	—	—	—
September .....	—	—	—	—	—	—
October .....	—	—	—	—	—	—
November .....	—	—	—	—	—	—
December .....	—	—	—	—	—	—
<b>Average .....</b>	<b>8.00</b>	<b>2.67</b>	<b>0.310</b>	<b>8.00</b>	<b>2.67</b>	<b>0.310</b>
Winter storage .....	—	—	—	—	—	—
<b>Port Colborne to Montreal:</b>						
April .....	7.50	2.50	0.658	7.03	2.34	0.616
May .....	7.25	2.42	0.637	7.50	2.50	0.658
June .....	6.76	2.25	0.592	7.44	2.48	0.653
July .....	6.50	2.17	0.571	7.50	2.50	0.658
August .....	5.53	1.84	0.484	7.50	2.50	0.658
September .....	—	—	—	7.50	2.50	0.658
October .....	6.33	2.11	0.555	7.50	2.50	0.658
November .....	6.07	2.02	0.532	7.61	2.55	0.671
December .....	—	—	—	—	—	—
<b>Average .....</b>	<b>6.56</b>	<b>2.19</b>	<b>0.576</b>	<b>7.45</b>	<b>2.48</b>	<b>0.654</b>

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

TABLE 54. Water Freight Charges on the Great Lakes for Barley and Oats, 1962

Fort William - Port Arthur to	Barley			Oats		
	Average charge per bushel <sup>1</sup>	Average charge per ton	Average charge per ton-mile	Average charge per bushel <sup>1</sup>	Average charge per ton	Average charge per ton-mile
	cents	\$	cents	cents	\$	cents
<b>Montreal:</b>						
April .....	—	—	—	—	—	—
May .....	12.25	5.10	0.415	10.00	5.88	0.479
June .....	12.25	5.10	0.415	10.00	5.88	0.479
July .....	10.50	4.38	0.357	9.00	5.29	0.431
August .....	10.50	4.38	0.357	9.00	5.29	0.431
September .....	10.07	4.20	0.342	9.00	5.29	0.431
October .....	9.50	3.96	0.322	8.54	5.02	0.409
November .....	10.15	4.23	0.344	9.00	5.29	0.431
December .....	10.50	4.38	0.357	9.00	5.29	0.431
<b>Average .....</b>	<b>10.83</b>	<b>4.51</b>	<b>0.367</b>	<b>9.16</b>	<b>5.39</b>	<b>0.439</b>
<b>Goderich and Georgian Bay ports:</b>						
April .....	—	—	—	—	—	—
May .....	4.75	1.98	0.368	4.50	2.65	0.493
June .....	—	—	—	4.50	2.65	0.493
July .....	4.61	1.92	0.357	4.50	2.65	0.493
August .....	4.11	1.71	0.318	3.85	2.26	0.420
September .....	4.28	1.78	0.331	4.03	2.37	0.441
October .....	4.56	1.90	0.353	4.01	2.36	0.439
November .....	4.52	1.88	0.349	4.24	2.49	0.463
December .....	4.25	1.77	0.329	4.00	2.35	0.437
<b>Average .....</b>	<b>4.49</b>	<b>1.87</b>	<b>0.348</b>	<b>4.20</b>	<b>2.47</b>	<b>0.459</b>
<b>Port Colborne:</b>						
April .....	—	—	—	—	—	—
May .....	—	—	—	—	—	—
June .....	—	—	—	—	—	—
July .....	6.50	2.71	0.320	6.00	3.53	0.416
August .....	—	—	—	—	—	—
September .....	—	—	—	—	—	—
October .....	—	—	—	—	—	—
November .....	—	—	—	—	—	—
December .....	6.17	2.57	0.303	5.80	3.41	0.402
<b>Average .....</b>	<b>6.23</b>	<b>2.60</b>	<b>0.307</b>	<b>5.85</b>	<b>3.44</b>	<b>0.406</b>
<b>Buffalo:</b>						
April .....	—	—	—	—	—	—
May .....	—	—	—	—	—	—
June .....	—	—	—	—	—	—
July .....	—	—	—	—	—	—
August .....	—	—	—	—	—	—
September .....	—	—	—	—	—	—
October .....	—	—	—	—	—	—
November .....	—	—	—	—	—	—
December .....	6.50	2.71	0.314	6.24	3.67	0.426
<b>Average .....</b>	<b>6.50</b>	<b>2.71</b>	<b>0.314</b>	<b>6.24</b>	<b>3.67</b>	<b>0.426</b>
<b>Port Colborne to Montreal:</b>						
April .....	—	—	—	—	—	—
May .....	—	—	—	—	—	—
June .....	—	—	—	—	—	—
July .....	—	—	—	—	—	—
August .....	—	—	—	—	—	—
September .....	—	—	—	—	—	—
October .....	—	—	—	—	—	—
November .....	—	—	—	—	—	—
December .....	—	—	—	—	—	—
<b>Average .....</b>	—	—	—	—	—	—

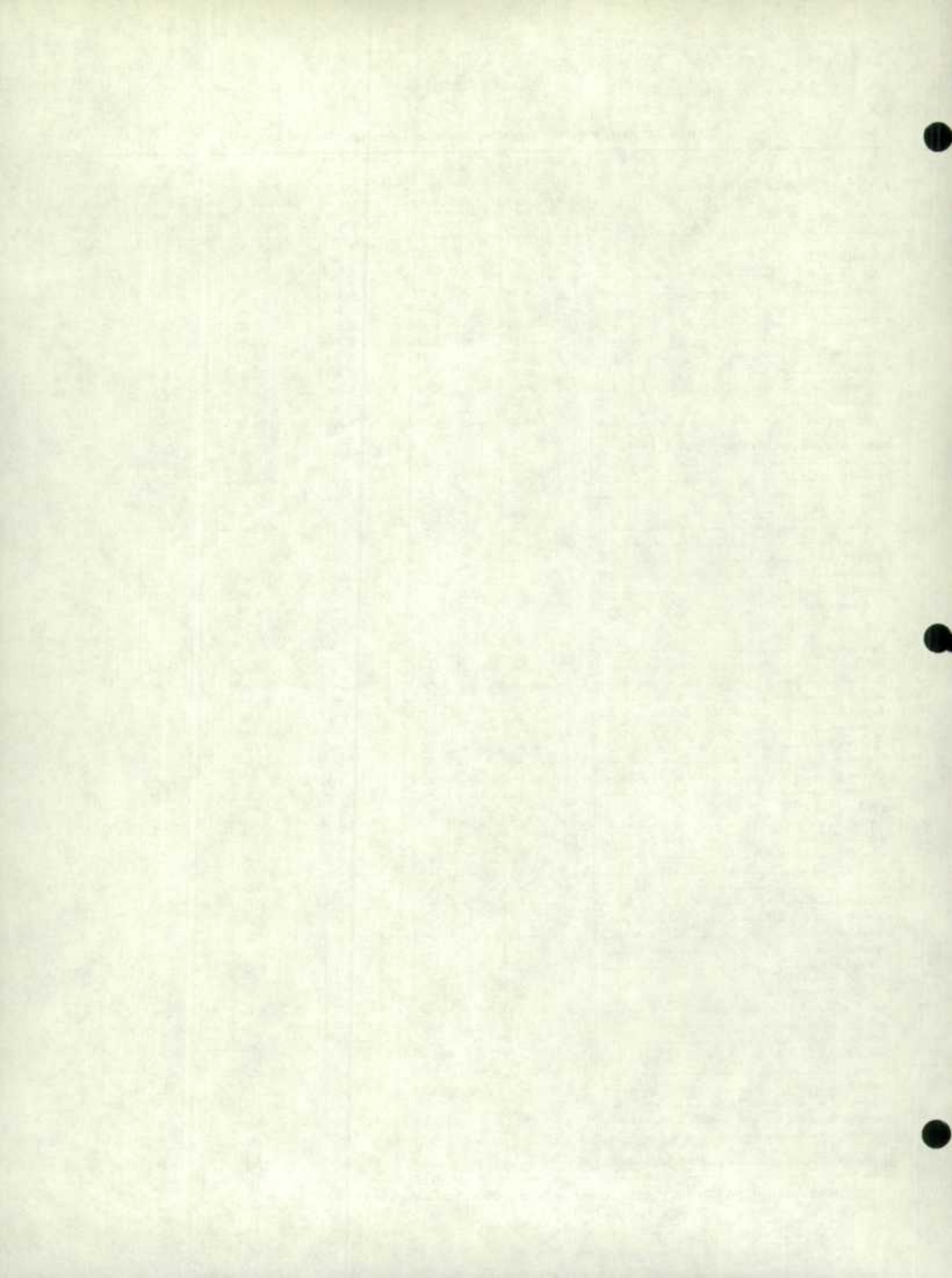
<sup>1</sup> Freight charges from Fort William - Port Arthur provided by Board of Grain Commissioners for Canada.



TABLE 55. Water Freight Charges on the Great Lakes for Flax and Rye, 1962

Port William-Port Arthur to	Flax			Rye		
	Average charge per bushel <sup>1</sup>	Average charge per ton	Average charge per ton-mile	Average charge per bushel <sup>1</sup>	Average charge per ton	Average charge per ton-mile
	cents	\$	cents	cents	\$	cents
<b>Montreal:</b>						
April .....	—	—	—	—	—	—
May .....	14.00	5.00	0.407	—	—	—
June .....	13.34	4.76	0.388	—	—	—
July .....	12.41	4.43	0.361	13.00	4.64	0.378
August .....	11.00	3.93	0.320	11.00	3.93	0.320
September .....	11.00	3.93	0.320	10.68	3.81	0.310
October .....	10.25	3.66	0.298	10.25	3.86	0.298
November .....	10.47	3.74	0.305	10.25	3.66	0.298
December .....	—	—	—	—	—	—
<b>Average .....</b>	<b>11.33</b>	<b>4.05</b>	<b>0.330</b>	<b>10.80</b>	<b>3.86</b>	<b>0.314</b>
<b>Goderich and Georgian Bay ports:</b>						
April .....	—	—	—	—	—	—
May .....	—	—	—	5.00	1.79	0.333
June .....	—	—	—	—	—	—
July .....	—	—	—	—	—	—
August .....	—	—	—	—	—	—
September .....	—	—	—	—	—	—
October .....	—	—	—	4.75	1.70	0.316
November .....	—	—	—	—	—	—
December .....	—	—	—	4.50	1.61	0.299
<b>Average .....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4.75</b>	<b>1.70</b>	<b>0.316</b>
<b>Port Colborne:</b>						
April .....	—	—	—	—	—	—
May .....	—	—	—	6.50	2.32	0.274
June .....	—	—	—	—	—	—
July .....	—	—	—	—	—	—
August .....	—	—	—	5.50	1.96	0.231
September .....	—	—	—	—	—	—
October .....	—	—	—	—	—	—
November .....	—	—	—	5.00	1.79	0.211
December .....	—	—	—	—	—	—
<b>Average .....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>5.36</b>	<b>1.91</b>	<b>0.225</b>
<b>Buffalo:</b>						
April .....	—	—	—	—	—	—
May .....	—	—	—	—	—	—
June .....	—	—	—	—	—	—
July .....	—	—	—	—	—	—
August .....	—	—	—	—	—	—
September .....	—	—	—	6.50	2.32	0.269
October .....	—	—	—	—	—	—
November .....	—	—	—	—	—	—
December .....	—	—	—	—	—	—
<b>Average .....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>6.50</b>	<b>2.32</b>	<b>0.269</b>
<b>Port Colborne to Montreal:</b>						
April .....	—	—	—	7.50	2.68	0.705
May .....	—	—	—	—	—	—
June .....	—	—	—	—	—	—
July .....	—	—	—	—	—	—
August .....	—	—	—	—	—	—
September .....	—	—	—	—	—	—
October .....	—	—	—	—	—	—
November .....	—	—	—	—	—	—
December .....	—	—	—	—	—	—
<b>Average .....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>7.50</b>	<b>2.68</b>	<b>0.705</b>

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





**SECTION III**  
OTHER CANADIAN CANALS

**ST. PETER'S CANAL**  
**TABLE 56. Location and Description**

	From	To	Length of channel	Locks			
				Number	Minimum dimensions		
					Length	Width	Depth
St. Peter's Canal .....	St. Peter's Bay .....	Bras d'Or Lakes, N.S. ....	miles 0.50	1	300	47.4	17

**TABLE 57. Historical Summary, 1953 - 62**

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Vessel transit - Up .....	236	274	373	209	244	198	198	275	273	238
Down .....	269	296	411	221	231	199	184	280	274	217
<b>Totals .....</b>	<b>505</b>	<b>570</b>	<b>784</b>	<b>430</b>	<b>475</b>	<b>397</b>	<b>382</b>	<b>555</b>	<b>547</b>	<b>455</b>
Registered net tons - Up .....	7,004	7,433	11,712	5,712	8,300	4,973	4,173	8,138	4,938	5,208
Down .....	8,344	7,192	15,612	5,232	6,938	5,091	4,377	7,693	5,745	4,949
<b>Totals .....</b>	<b>15,348</b>	<b>14,625</b>	<b>27,324</b>	<b>10,944</b>	<b>15,238</b>	<b>10,064</b>	<b>8,550</b>	<b>15,831</b>	<b>10,683</b>	<b>10,157</b>
Cargo tons - Up .....	2,052	1,594	1,901	727	1,389	863	262	142	861	271
Down .....	1,789	1,637	4,882	973	3,252	848	557	581	605	660
<b>Totals .....</b>	<b>3,841</b>	<b>3,231</b>	<b>6,783</b>	<b>1,700</b>	<b>4,641</b>	<b>1,711</b>	<b>819</b>	<b>723</b>	<b>1,466</b>	<b>931</b>
Season of navigation:										
First vessel passage .....	April 7	April 10	April 2	April 19	April 22	March 31	April 20	April 4	April 27	April 4
Last vessel passage .....	Dec. 21	Jan. 10/55	Jan. 12/56	Dec. 21	Dec. 28	Dec. 19	Dec. 31	Dec. 22	Dec. 16	Dec. 5

**TABLE 58. Traffic on the St. Peter's Canal by Kind and Registry of Vessel, 1962**

Kind of vessel and registry	Upbound							Downbound						
	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
	In ballast	With cargo	Total					In ballast	With cargo	Total				
Cargo vessel:														
Canada .....	10	1	11	541	625	40	-	3	3	6	555	612	373	-
United States .....	2	-	2	34	34	-	-	1	-	1	17	17	-	-
<b>Totals .....</b>	<b>12</b>	<b>1</b>	<b>13</b>	<b>575</b>	<b>659</b>	<b>40</b>	<b>-</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>572</b>	<b>629</b>	<b>373</b>	<b>-</b>
Pleasure craft:														
Canada .....	14	-	14	250	287	-	6	12	-	12	196	222	-	3
United States .....	8	-	8	197	208	-	2	11	-	11	281	334	-	9
<b>Totals .....</b>	<b>22</b>	<b>-</b>	<b>22</b>	<b>447</b>	<b>495</b>	<b>-</b>	<b>8</b>	<b>23</b>	<b>-</b>	<b>23</b>	<b>477</b>	<b>556</b>	<b>-</b>	<b>12</b>
All other types:														
Canada .....	196	7	203	4,186	5,733	231	-	118	69	187	3,900	5,586	287	15
<b>Grand totals .....</b>	<b>230</b>	<b>8</b>	<b>238</b>	<b>5,208</b>	<b>6,887</b>	<b>271</b>	<b>8</b>	<b>145</b>	<b>72</b>	<b>217</b>	<b>4,949</b>	<b>6,771</b>	<b>660</b>	<b>27</b>



TABLE 59. Number and Tonnage of Vessels Using the St. Peter's Canal by Origin and Destination, Registry and Rig, 1962

Origin and destination	Country of registry	Steam			Motor			Other			Total		
		Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Upbound:</b>													
Canada to Canada .....	Canada .....	2	252	570	217	4,328	5,678	9	397	397	228	4,977	6,645
	United States .....	—	—	—	1	11	11	2	34	34	3	45	45
United States to Canada ....	United States .....	—	—	—	6	172	183	—	—	—	6	172	183
Other countries to Canada	United States .....	—	—	—	1	14	14	—	—	—	1	14	14
	<b>Totals .....</b>	<b>2</b>	<b>252</b>	<b>570</b>	<b>225</b>	<b>4,525</b>	<b>5,886</b>	<b>11</b>	<b>431</b>	<b>431</b>	<b>238</b>	<b>5,208</b>	<b>6,887</b>
<b>Downbound:</b>													
Canada to Canada .....	Canada .....	1	126	285	199	4,059	5,669	5	466	466	205	4,651	6,420
	United States .....	—	—	—	1	12	12	1	17	17	2	29	29
Canada to United States ....	United States .....	—	—	—	10	269	322	—	—	—	10	269	322
	<b>Totals .....</b>	<b>1</b>	<b>126</b>	<b>285</b>	<b>210</b>	<b>4,340</b>	<b>6,003</b>	<b>6</b>	<b>483</b>	<b>483</b>	<b>217</b>	<b>4,949</b>	<b>6,771</b>
	<b>Grand totals .....</b>	<b>3</b>	<b>378</b>	<b>855</b>	<b>435</b>	<b>8,865</b>	<b>11,889</b>	<b>17</b>	<b>914</b>	<b>914</b>	<b>455</b>	<b>10,157</b>	<b>13,658</b>

TABLE 60. Commodities and Passengers Carried through the St. Peter's Canal by Country of Loading and Unloading, 1962

Commodity	Canada to Canada		Canada to United States		United States to Canada		Total	
	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound
Fish and marine animals .....	75	514	—	—	—	—	75	514
Food, beverages and tobacco, n.e.s. ....	51	—	—	—	—	—	51	—
Miscellaneous freight, n.e.s. ....	145	146	—	—	—	—	145	146
<b>Totals .....</b>	<b>271</b>	<b>660</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>271</b>	<b>660</b>
Passengers .....	8	27	—	—	—	—	8	27

## CANSO CANAL

TABLE 61. Location and Description

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

TABLE 62. Historical Summary, 1957-62

	1957	1958	1959	1960	1961	1962
Vessel transit — Up .....	660	616	625	609	589	574
Down .....	611	626	621	619	591	565
<b>Totals .....</b>	<b>1,271</b>	<b>1,242</b>	<b>1,246</b>	<b>1,228</b>	<b>1,180</b>	<b>1,139</b>
Registered net tons — Up .....	224,920	274,703	346,793	374,478	346,282	488,870
Down .....	186,507	262,409	284,839	389,968	352,542	485,477
<b>Totals .....</b>	<b>411,427</b>	<b>537,112</b>	<b>631,632</b>	<b>764,446</b>	<b>698,824</b>	<b>974,347</b>
Cargo tons — Up .....	233,908	364,044	476,318	606,339	495,540	747,530
Down .....	161,887	162,562	198,168	197,037	206,857	363,112
<b>Totals .....</b>	<b>395,795</b>	<b>526,606</b>	<b>674,506</b>	<b>803,376</b>	<b>702,397</b>	<b>1,110,642</b>
Season of navigation:						
First vessel passage .....	Jan. 2 <sup>1</sup>	March 14	April 17	April 17	May 12	April 16
Last vessel passage .....	Dec. 31	Dec. 25	Dec. 31	Jan. 16/61	Dec. 31	Feb. 9/63

<sup>1</sup> Canal not in use from January 11 to April 15.

TABLE 63. Traffic on the Canso Canal by Kind and Registry of Vessel, 1962

Kind of vessel	Country of registry	Upbound						Downbound							
		Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
		In ballast	With cargo	Total					In ballast	With cargo	Total				
Cargo vessel	Canada	66	175	241	323,996	541,820	655,804	—	111	122	233	306,619	513,334	210,395	—
	United States	1	—	1	245	245	—	—	—	—	—	—	—	—	—
	United Kingdom	13	10	23	67,825	118,783	49,706	—	2	19	21	56,541	101,441	95,857	—
	Other countries	25	12	37	49,440	88,261	41,371	—	10	29	39	60,991	103,546	55,280	—
	Totals	105	197	302	441,508	749,109	746,881	—	123	170	293	424,151	718,321	361,532	—
Pleasure craft	Canada	1	—	1	37	48	—	—	1	—	1	25	29	—	—
	United States	—	—	—	—	—	—	—	3	—	3	787	1,405	—	—
	United Kingdom	1	—	1	58	82	—	—	—	—	—	—	—	—	—
	Other countries	2	—	2	1,340	2,686	—	9	2	—	2	1,340	2,686	—	8
	Totals	4	—	4	1,435	2,816	—	9	6	—	6	2,152	4,120	—	8
All other types	Canada	198	61	259	37,922	67,311	649	—	203	50	253	46,711	81,975	1,580	—
	United States	9	—	9	8,005	8,602	—	—	13	—	13	12,463	13,050	—	—
	Totals	207	61	268	45,927	75,913	649	—	216	50	266	59,174	95,025	1,580	—
	Grand totals	316	258	574	488,870	827,838	747,530	9	345	220	565	485,477	817,466	363,112	8

TABLE 64. Number and Tonnage of Vessels Using the Canso Canal by Origin and Destination, Registry and Rig, 1962

Origin and destination	Country of registry	Steam			Motor			Other			Total		
		Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
Upbound:													
Canada to Canada	Canada	77	159,130	266,102	412	195,739	332,520	5	1,703	1,703	494	356,578	600,325
	United States	—	—	—	3	1,150	1,621	—	—	—	3	1,150	1,621
	United Kingdom	6	16,354	30,294	5	26,787	41,934	—	—	—	11	43,141	72,438
	Other countries	1	4,295	7,165	12	11,289	19,883	—	—	—	13	15,584	27,048
Canada to United States	United Kingdom	—	—	—	1	4,137	7,315	—	—	—	1	4,137	7,315
	Other countries	1	4,402	7,153	2	2,742	5,228	—	—	—	3	7,144	12,381
Canada to United Kingdom	United Kingdom	—	—	—	1	1,454	2,750	—	—	—	1	1,454	2,750
United States to Canada	Canada	—	—	—	5	1,615	3,294	—	—	—	5	1,615	3,294
	United States	—	—	—	2	3,370	3,370	—	—	—	2	3,370	3,370
	United Kingdom	9	16,295	31,357	1	2,798	5,133	—	—	—	10	19,093	36,490
	Other countries	7	9,276	16,327	15	16,748	31,620	—	—	—	22	26,024	47,947
United States to United States	United States	—	—	—	4	3,485	3,611	1	245	245	5	3,730	3,856
	United Kingdom	—	—	—	1	58	82	—	—	—	1	58	82
Other Commonwealth to Canada	Canada	2	3,770	5,560	—	—	—	—	—	—	2	3,770	5,560
Other Europe to Canada	Other countries	—	—	—	1	2,028	3,571	—	—	—	1	2,028	3,571
	Totals	103	213,522	363,958	465	273,400	461,932	6	1,948	1,948	574	488,870	827,838
Downbound:													
Canada to Canada	Canada	77	149,499	250,488	388	195,188	329,075	2	706	706	467	345,393	580,269
	United States	—	—	—	1	65	68	—	—	—	1	65	68
	United Kingdom	5	12,079	22,867	2	17,342	27,156	—	—	—	7	29,421	50,023
	Other countries	—	—	—	16	30,339	50,295	—	—	—	16	30,339	50,295
Canada to United States	Canada	1	2,212	3,633	14	4,525	8,792	—	—	—	15	6,737	12,425
	United States	1	2,700	2,700	3	3,439	3,452	—	—	—	4	6,139	6,152
	United Kingdom	12	21,524	41,152	2	5,596	10,266	—	—	—	14	27,120	51,418
	Other countries	2	3,143	5,482	11	6,953	11,495	—	—	—	13	10,096	16,977
Canada to United Kingdom	Other countries	—	—	—	1	1,370	1,998	—	—	—	1	1,370	1,998
Canada to Other Europe	Other countries	3	7,404	12,564	4	8,061	14,792	—	—	—	7	15,465	27,356
Canada to Other countries	Canada	—	—	—	5	1,225	2,644	—	—	—	5	1,225	2,644
	Other countries	—	—	—	2	485	1,141	—	—	—	2	485	1,141
United States to Canada	United States	—	—	—	1	834	834	—	—	—	1	834	834
	Other countries	—	—	—	1	3,205	5,851	—	—	—	1	3,205	5,851
United States to United States	United States	1	653	1,255	9	5,559	6,146	—	—	—	10	6,212	7,401
United States to Other countries	Other countries	—	—	—	1	1,371	2,614	—	—	—	1	1,371	2,614
	Totals	102	199,214	340,141	461	285,557	476,619	2	706	706	585	485,477	817,466
	Grand totals	205	412,736	704,099	926	558,957	938,551	8	2,654	2,654	1,139	974,347	1,645,304



TABLE 65. Commodities and Passengers Carried through the Canso Canal by Country of Loading and Unloading, 1962

Commodity	Canada to Canada		Canada to United States		Canada to other countries		United States to Canada		United States to other countries		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
	tons											
Fish and marine animals .....	568	6,270	—	6,227	—	—	—	—	—	—	568	12,497
Barley .....	448	3,340	—	—	—	—	2,464	—	—	—	2,912	3,340
Corn .....	650	—	—	—	—	—	—	9,520	—	2,716	650	12,236
Wheat .....	540	26,872	—	—	—	—	—	—	—	—	540	26,872
Flour, wheat .....	10,948	13,314	—	—	—	—	—	—	—	—	10,948	13,314
Grain, meal and cereals, n.e.s. ....	2,476	2,660	—	—	—	—	—	—	—	—	2,476	2,660
Potatoes .....	—	458	—	3,809	—	7,792	—	—	—	—	—	12,059
Logs and round timber .....	—	—	—	—	2,598	—	—	—	—	—	2,598	—
Pulpwood .....	10,972	6,080	—	—	—	14,700	—	—	—	—	10,972	20,780
Gypsum .....	117,674	—	—	—	—	—	—	—	—	—	117,674	—
Phosphate rock .....	—	—	—	—	—	—	7,505	—	—	—	7,505	—
Salt .....	122	8,370	—	47,404	—	—	—	—	—	—	122	55,774
Sulphur .....	—	—	—	—	—	—	13,328	—	—	—	13,328	—
Woodpulp .....	—	—	—	1,522	—	—	—	—	—	—	—	1,522
Newsprint paper .....	3,200	4,960	3,800	5,000	—	—	—	—	—	—	7,000	9,960
Chemicals and chemical products ..	4	1,654	—	—	—	—	—	—	—	—	4	1,654
Fertilizers .....	—	—	—	—	—	—	8,642	—	—	—	8,642	—
Gasoline .....	182,625	89,456	—	—	—	—	—	—	—	—	182,625	89,456
Fuel oil .....	374,577	22,351	—	—	—	—	—	—	—	—	374,577	22,351
Cement .....	—	67,657	—	—	—	—	—	—	—	—	—	67,657
Miscellaneous fabricated materials, n.e.s. ....	—	—	—	—	—	—	—	—	—	—	—	—
Miscellaneous freight, n.e.s. ....	3,334	2,163	—	1,388	—	4,629	1,055	—	—	2,800	4,389	10,980
<b>Totals .....</b>	<b>708,138</b>	<b>255,605</b>	<b>3,800</b>	<b>65,350</b>	<b>2,598</b>	<b>27,121</b>	<b>32,994</b>	<b>9,520</b>	—	<b>5,516</b>	<b>747,530</b>	<b>363,112</b>
Passengers .....	No. 9	8	—	—	—	—	—	—	—	—	9	8

## RICHELIEU RIVER CANAL

TABLE 66. Location and Description

	From	To	Length of channel	Locks				
				Number	Minimum dimensions			
					Length	Width	Depth	
			miles		feet			
Richelieu river canals:								
St. Ours .....	.....	St. Ours, Que. ....	0.12	1	339	45	12	
Chambly .....	Chambly .....	St. Johns, Que. ....	11.76	9	120.5	23.25	6.5	

TABLE 67. Historical Summary, 1953 - 62

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Vessel transits — Up .....	330	356	354	401	379	343	415	395	370	359
Down .....	325	353	347	307	382	345	407	401	361	353
<b>Totals .....</b>	<b>655</b>	<b>709</b>	<b>701</b>	<b>708</b>	<b>761</b>	<b>688</b>	<b>822</b>	<b>796</b>	<b>731</b>	<b>712</b>
Registered net tons — Up .....	48,917	55,644	50,241	56,166	61,634	54,390	60,918	62,036	56,038	52,684
Down .....	48,858	55,919	49,787	45,484	61,606	54,563	61,664	61,991	53,867	51,964
<b>Totals .....</b>	<b>97,775</b>	<b>111,563</b>	<b>100,008</b>	<b>101,650</b>	<b>123,240</b>	<b>108,953</b>	<b>122,582</b>	<b>124,027</b>	<b>109,905</b>	<b>104,648</b>
Cargo tons — Up .....	69,547	85,165	70,681	76,613	85,429	81,557	78,758	81,364	80,822	80,925
Down .....	24,832	24,273	26,449	22,350	26,937	26,574	30,244	25,335	13,707	7,222
<b>Totals .....</b>	<b>94,379</b>	<b>109,438</b>	<b>97,130</b>	<b>98,963</b>	<b>112,366</b>	<b>108,131</b>	<b>109,002</b>	<b>106,699</b>	<b>94,529</b>	<b>88,147</b>
Season of navigation:										
First vessel passage .....	April 15	April 17	April 23	April 16	April 17	April 17	April 15	April 4	April 20	April 20
Last vessel passage .....	Nov. 29	Dec. 2	Dec. 1	Nov. 30	Dec. 1	Nov. 29	Dec. 5	Nov. 27	Dec. 2	Nov. 29





OTTAWA RIVER CANALS  
TABLE 71. Location and Description

		Length of channel miles	Locks			
			Number	Minimum dimensions		
				Length	Width	Depth
feet						
Ottawa river canals:						
St. Anne .....	Junction of St. Lawrence and Ottawa river	0.12	1	200	45	9
Carillon .....	Carillon Rapids, Ottawa river	0.94	2	200	45	9
Grenville .....	Long Sault Rapids, Ottawa river	5.94	5	200	45	9

TABLE 72. Historical Summary, 1953-62

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Vessel transits—Up .....	579	461	477	779	804	466	846	667	489	18
Down .....	576	465	475	779	806	462	821	683	488	18
Totals .....	1,155	926	952	1,558	1,610	928	1,667	1,350	975	36
Registered net tons—Up .....	142,492	111,346	117,699	166,152	209,889	116,191	201,781	161,979	120,679	2,576
Down .....	142,428	111,994	117,955	168,530	208,853	115,871	198,402	166,089	119,844	2,637
Totals .....	284,920	223,340	235,654	332,682	418,742	232,062	398,183	328,068	240,323	5,213
Cargo tons—Up .....	735	445	425	—	180	—	43	100	777	150
Down .....	242,297	190,365	208,100	283,500	358,460	189,980	327,800	278,100	196,200	150
Totals .....	243,032	190,810	206,525	283,500	356,640	189,980	327,843	278,200	196,977	300
Season of navigation:										
First vessel passage .....	April 15	April 30	April 26	April 25	April 17	April 23	May 2	May 3	April 24	April 15
Last vessel passage .....	Nov. 20	Oct. 14	Nov. 1	Nov. 23	Nov. 30	Nov. 26	Nov. 19	Nov. 19	Nov. 10	Nov. 16

TABLE 73. Traffic on the Ottawa River Canals by Kind and Registry of Vessel, 1962

Kind of vessel	Country of registry	Upbound							Downbound						
		Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
		In ballast	With cargo	Total					In ballast	With cargo	Total				
Cargo vessel .....	Canada .....	1	2	3	1,106	1,106	150	—	2	1	3	1,106	1,106	150	—
Pleasure craft .....	Canada .....	—	—	—	—	—	—	—	2	—	2	71	91	—	3
All other types .....	Canada .....	15	—	15	1,470	2,828	—	—	13	—	13	1,460	2,812	—	—
Grand totals .....		16	2	18	2,576	3,932	150	—	17	1	18	2,637	4,009	150	3

TABLE 74. Number and Tonnage of Vessels using the Ottawa River Canals by Origin and Destination, Registry and Rig, 1962

Origin and destination	Country of registry	Motor			Other			Total		
		Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
Upbound:										
Canada to Canada .....	Canada .....	15	1,470	2,826	3	1,106	1,106	18	2,576	3,932
Downbound:										
Canada to Canada .....	Canada .....	15	1,531	2,903	3	1,106	1,106	18	2,637	4,009
Grand totals .....		30	3,001	5,729	6	2,212	2,212	36	5,213	7,941

TABLE 75. Commodities and Passengers Carried through the Ottawa River Canals by Country of Loading and Unloading, 1962

Commodity	Canada to Canada		Total	
	Upbound	Downbound	Upbound	Downbound
Machinery, equipment and parts .....	150	150	150	150
Passengers .....	—	3	—	3

## RIDEAU CANAL

TABLE 76. Location and Description

	From	To	Length of channel	Locks			
				Number	Minimum dimensions		
					Length	Width	Depth
			miles		feet		
Rideau canal .....	Ottawa .....	Kingston .....	123.53	47	134	33	5.5
	Rideau Lake .....	Perth (Tay Branch) .....	6.82	2	134	33	5.5

TABLE 77. Historical Summary 1953 - 62

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Vessel transits — Up .....	130	94	72	64	149	32	32	39	35	38
Down .....	133	86	66	56	145	45	37	55	72	27
Totals .....	263	180	138	120	294	77	69	94	107	65
Registered net tons — Up .....	3,751	4,083	2,308	2,035	5,630	882	1,081	1,497	1,136	1,335
Down .....	3,770	3,654	2,180	2,006	5,587	1,515	1,262	1,629	1,740	973
Totals .....	7,521	7,737	4,488	4,041	11,217	2,397	2,343	3,126	2,876	2,308
Cargo tons — Up .....	849	357	248	205	154	37	53	72	—	—
Down .....	682	1,133	165	194	5,690	39	5	—	—	—
Totals .....	1,531	1,490	413	399	5,844	76	58	72	—	—
Season of navigation:										
First vessel passage .....	May 1	April 30	May 2	May 1	May 1	May 3	May 9	May 18	May 11	May 7
Last vessel passage .....	Nov. 30	Nov. 18	Nov. 21	Nov. 20	Nov. 18	Oct. 21	Nov. 2	Nov. 1	Nov. 4	Oct. 31

TABLE 78. Traffic on the Rideau Canal by Kind and Registry of Vessel, 1962

Kind of vessel	Country of registry	Upbound						Downbound							
		Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
		In ballast	With cargo	Total					In ballast	With cargo	Total				
Cargo vessel .....	Canada .....	14	—	14	813	880	—	2	9	—	9	476	519	—	2
Pleasure .....	Canada .....	9	—	9	191	268	—	34	11	—	11	258	341	—	53
	United States .....	4	—	4	54	70	—	17	1	—	1	11	11	—	4
	Totals .....	13	—	13	245	338	—	51	12	—	12	269	352	—	57
All other types .....	Canada .....	11	—	11	277	485	—	—	6	—	6	228	285	—	5
	Grand totals .....	38	—	38	1,335	1,703	—	53	27	—	27	973	1,156	—	64



TABLE 79. Number and Tonnage of Vessels Using the Rideau Canal by Origin and Destination, Registry and Rig, 1962

Origin and destination	Country of registry	Steam			Motor			Other			Total		
		Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
Upbound:													
Canada to Canada .....	Canada .....	-	-	-	23	507	828	11	774	805	34	1,281	1,633
	United States .....	-	-	-	4	54	70	-	-	-	4	54	70
	<b>Totals</b> .....	-	-	-	<b>27</b>	<b>561</b>	<b>898</b>	<b>11</b>	<b>774</b>	<b>805</b>	<b>38</b>	<b>1,335</b>	<b>1,703</b>
Downbound:													
Canada to Canada .....	Canada .....	-	-	-	18	499	651	8	463	494	28	962	1,145
	United States .....	-	-	-	1	11	11	-	-	-	1	11	11
	<b>Totals</b> .....	-	-	-	<b>19</b>	<b>510</b>	<b>662</b>	<b>8</b>	<b>463</b>	<b>494</b>	<b>27</b>	<b>973</b>	<b>1,156</b>
	<b>Grand totals</b> .....	-	-	-	<b>46</b>	<b>1,071</b>	<b>1,560</b>	<b>19</b>	<b>1,237</b>	<b>1,299</b>	<b>65</b>	<b>2,308</b>	<b>2,859</b>

TABLE 80. Commodities and Passengers Carried through the Rideau Canal by Country of Loading and Unloading, 1962

	Country of loading and unloading	Canada to Canada		Total	
		Upbound	Downbound	Upbound	Downbound
Passengers <sup>1</sup> .....	No.	53	64	53	64

<sup>1</sup> Exclusive of 20,593 passengers on sightseeing pleasure boat cruises and 132,053 passengers carried in pleasure craft.

Note: Freight traffic nil.

## MURRAY CANAL

TABLE 81. Location and Description

	From	To	Length of channel	Locks			
				Number	Minimum dimensions		
					Length	Width	Depth
Murray Canal through Isthmus of Murray	Lake Ontario .....	Bay of Quinte .....	miles		feet		
			7.53	-	-	-	8.5

TABLE 82. Historical Summary 1953-62

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Vessel transits - Up .....	63	73	39	115	154	152	160	113	98	96
Down .....	21	31	14	75	78	100	94	81	107	85
<b>Totals</b> .....	<b>84</b>	<b>104</b>	<b>53</b>	<b>190</b>	<b>232</b>	<b>252</b>	<b>254</b>	<b>194</b>	<b>205</b>	<b>181</b>
Registered net tons - Up .....	30,775	34,803	19,464	24,875	36,434	34,009	31,126	17,171	8,407	7,031
Down .....	1,640	5,234	1,866	1,997	2,569	5,327	5,333	2,012	4,452	5,464
<b>Totals</b> .....	<b>32,415</b>	<b>40,037</b>	<b>21,330</b>	<b>26,872</b>	<b>41,003</b>	<b>39,336</b>	<b>36,459</b>	<b>19,183</b>	<b>12,859</b>	<b>12,495</b>
Cargo tons - Up .....	572	72	562	-	600	363	90	130	500	350
Down .....	104	200	105	-	190	-	-	-	322	-
<b>Totals</b> .....	<b>676</b>	<b>272</b>	<b>667</b>	<b>-</b>	<b>790</b>	<b>363</b>	<b>90</b>	<b>130</b>	<b>822</b>	<b>350</b>
Season of navigation:										
First vessel passage .....	April 16	April 10	April 6	May 26	April 13	April 22	April 17	April 19	May 1	April 12
Last vessel passage .....	Dec. 9	Nov. 15	Nov. 17	Nov. 29	Dec. 8	Dec. 4	Nov. 27	Dec. 1	Nov. 29	Nov. 24

TABLE 83. Traffic on the Murray Canal by Kind and Registry of Vessel, 1962

Kind of vessel and registry	Upbound							Downbound						
	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
	In ballast	With cargo	Total					In ballast	With cargo	Total				
<b>Cargo vessel:</b>														
Canada .....	24	1	25	4,950	5,496	350	—	14	—	14	3,884	3,887	—	—
United States .....	1	—	1	18	27	—	—	1	—	1	15	15	—	—
<b>Totals .....</b>	<b>25</b>	<b>1</b>	<b>26</b>	<b>4,968</b>	<b>5,523</b>	<b>350</b>	<b>—</b>	<b>15</b>	<b>—</b>	<b>15</b>	<b>3,899</b>	<b>3,902</b>	<b>—</b>	<b>—</b>
<b>Pleasure craft:</b>														
Canada .....	40	—	40	789	979	—	—	35	—	35	697	853	—	—
United States .....	8	—	8	107	147	—	—	11	—	11	215	259	—	—
Other countries .....	1	—	1	33	35	—	—	1	—	1	33	49	—	—
<b>Totals .....</b>	<b>49</b>	<b>—</b>	<b>49</b>	<b>929</b>	<b>1,161</b>	<b>—</b>	<b>—</b>	<b>47</b>	<b>—</b>	<b>47</b>	<b>945</b>	<b>1,161</b>	<b>—</b>	<b>—</b>
<b>All other types:</b>														
Canada .....	21	—	21	1,134	1,675	—	—	23	—	23	620	1,134	—	—
<b>Grand totals .....</b>	<b>95</b>	<b>1</b>	<b>96</b>	<b>7,031</b>	<b>8,359</b>	<b>350</b>	<b>—</b>	<b>85</b>	<b>—</b>	<b>85</b>	<b>5,464</b>	<b>6,197</b>	<b>—</b>	<b>—</b>

TABLE 84. Number and Tonnage of Vessels Using the Murray Canal by Origin and Destination, Registry and Rig 1962

Origin and destination	Country of registry	Steam			Motor			Other			Total		
		Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
<b>Upbound:</b>													
Canada to Canada .....	Canada .....	1	382	769	59	1,477	2,194	24	4,960	5,119	84	6,819	8,082
	United States .....	—	—	—	3	34	50	—	—	—	3	34	50
	Other countries .....	—	—	—	1	33	35	—	—	—	1	33	35
Canada to United States .....	Canada .....	—	—	—	2	54	68	—	—	—	2	54	68
	United States .....	—	—	—	5	73	97	1	18	27	6	91	124
	<b>Totals .....</b>	<b>1</b>	<b>382</b>	<b>769</b>	<b>70</b>	<b>1,671</b>	<b>2,444</b>	<b>25</b>	<b>4,978</b>	<b>5,146</b>	<b>96</b>	<b>7,031</b>	<b>8,359</b>
<b>Downbound:</b>													
Canada to Canada .....	Canada .....	—	—	—	58	1,317	1,987	14	3,884	3,887	72	5,201	5,874
	Other countries .....	—	—	—	1	33	49	—	—	—	1	33	49
Canada to United States .....	United States .....	—	—	—	1	8	16	—	—	—	1	8	16
United States to Canada .....	United States .....	—	—	—	10	207	243	1	15	15	11	222	258
	<b>Totals .....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>70</b>	<b>1,565</b>	<b>2,295</b>	<b>15</b>	<b>3,899</b>	<b>3,902</b>	<b>85</b>	<b>5,464</b>	<b>6,197</b>
	<b>Grand totals .....</b>	<b>1</b>	<b>382</b>	<b>769</b>	<b>140</b>	<b>3,236</b>	<b>4,739</b>	<b>40</b>	<b>8,877</b>	<b>9,048</b>	<b>181</b>	<b>12,495</b>	<b>14,556</b>

TABLE 85. Commodities and Passengers Carried through the Murray Canal by Country of Loading and Unloading, 1962

Commodity	Canada to Canada		Canada to United States		Total	
	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound
Iron and steel, n.e.s. .... ton		350	—	—	350	—
Passengers ..... No.	—	—	—	—	—	—



## TRENT CANAL

TABLE 86. Location and Description

	From	To	Length of channel	Locks			
				Number	Minimum dimensions		
					Length	Width	Depth
			miles	feet			
Trent canal	Trenton	Peterborough Lock	88.74	18	175	33	8
	Peterborough Lock	Swift Rapids	135.71	24	134	33	6
	Swift Rapids	Port Severn	16.00	(Marine railway)			4
	Port Severn Lock		—	1	100	25	6
	Sturgeon Lake	Lindsay (Scugog Branch)	10.00	1	142	33	6
	Lindsay	Port Perry (Scugog Branch)	25.00	—	—	—	4.5

TABLE 87. Historical Summary 1953-62

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Vessel transits—Up	33	59	30	34	31	43	31	24	15	13
Down	38	71	36	47	41	45	37	23	22	16
Totals	71	130	66	81	72	88	68	47	37	29
Registered net tons—Up	498	771	455	544	480	631	499	318	178	143
Down	597	927	561	785	1,768	4,159	571	333	258	177
Totals	1,095	1,698	1,016	1,329	2,248	4,790	1,070	651	436	320
Cargo tons—Up	131	45	40	41	11	40	34	17	19	13
Down	108	125	62	248	63	35	49	47	55	58
Totals	239	170	102	289	74	75	83	64	74	71
Season of navigation:										
First vessel passage	May 13	May 5	May 11	May 25	May 16	May 12	May 15	Jun. 10	May 17	May 15
Last vessel passage	Nov. 9	Nov. 9	Nov. 30	Nov. 30	Oct. 31	Oct. 31	Oct. 22	Nov. 23	Oct. 9	Oct. 11

TABLE 88. Traffic on the Trent Canal by Kind and Registry of Vessel, 1962

Kind of vessel	Country of registry	Upbound							Downbound						
		Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
		In ballast	With cargo	Total					In ballast	With cargo	Total				
Cargo vessel	Canada	5	8	13	143	173	13	31	—	15	15	165	225	58	30
Pleasure craft	Canada	—	—	—	—	—	—	—	1	—	1	12	15	—	—
	Grand totals	5	8	13	143	173	13	31	1	15	16	177	240	58	30

TABLE 89. Number and Tonnage of Vessels Using the Trent Canal by Origin and Destination, Registry and Rig, 1962

Origin and destination	Country of registry	Steam			Motor			Total		
		Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
Upbound:										
Canada to Canada	Canada	13	143	173	—	—	—	13	143	173
Downbound:										
Canada to Canada	Canada	16	177	240	—	—	—	16	177	240
	Grand totals	29	320	413	—	—	—	29	320	413

TABLE 90. Commodities and Passengers Carried through the Trent Canal by Country of Loading and Unloading, 1962

Commodity	Canada to Canada		United States to Canada		Total	
	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound
Gasoline ..... ton	7	24	—	—	7	24
Fuel oil ..... "	6	34	—	—	6	34
<b>Totals</b> ..... "	13	58	—	—	13	58
Passengers <sup>1</sup> ..... No.	31	30	—	—	31	30

<sup>1</sup> Excluding 321,353 passengers carried in small boats

## ST. ANDREW'S CANAL

TABLE 91. Location and Description

		Length of channel	Locks			
			Number	Minimum dimensions		
				Length	Width	Depth
St. Andrew's canal .....	Red River 15 miles north of Winnipeg, Man. ....	miles	1	215	45	17

TABLE 92. Historical Summary 1953-62

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Vessel transits—Up .....	240	198	175	179	181	178	200	151	158	101
Down .....	242	198	178	180	181	178	198	150	167	101
<b>Totals</b> .....	482	396	353	359	362	356	398	301	325	202
Registered net tons—Up .....	25,137	14,085	19,289	15,317	13,950	12,486	12,251	8,296	10,581	5,525
Down .....	25,086	13,996	19,079	15,321	14,102	12,413	11,811	8,171	11,188	5,564
<b>Totals</b> .....	50,223	28,083	38,368	30,638	28,052	24,899	24,062	16,467	21,769	11,089
Cargo tons—Up .....	13,127	2,429	5,679	5,610	2,652	2,642	2,035	1,449	6,783	797
Down .....	2,688	3,601	2,433	2,472	2,617	2,028	1,898	2,650	1,503	1,494
<b>Totals</b> .....	15,815	6,030	8,112	8,082	5,469	4,670	3,933	4,099	8,286	2,291
Season of navigation:										
First vessel passage .....	May 21	May 27	June 30	June 28	May 20	May 13	May 14	June 4	May 21	July 11
Last vessel passage .....	Nov. 3	Nov. 3	Oct. 31	Nov. 2	Nov. 2	Oct. 31	Oct. 31	Nov. 1	Oct. 27	Nov. 3

TABLE 93. Traffic on the St. Andrew's Canal by Kind and Registry of Vessel, 1962

Kind of vessel and registry	Upbound							Downbound						
	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers	Number of vessels			Registered net tons	Gross tons	Cargo tons	Number of passengers
	In ballast	With cargo	Total					In ballast	With cargo	Total				
Cargo vessel:														
Canada .....	10	51	61	4,722	6,830	797	—	4	57	61	4,748	6,907	1,494	—
Pleasure craft:														
Canada .....	38	—	38	722	869	—	140	38	—	38	735	849	—	141
All other types:														
Canada .....	2	—	2	81	395	—	—	2	—	2	81	395	—	—
<b>Grand totals</b> .....	50	51	101	5,525	8,094	797	140	44	57	101	5,564	8,051	1,494	141



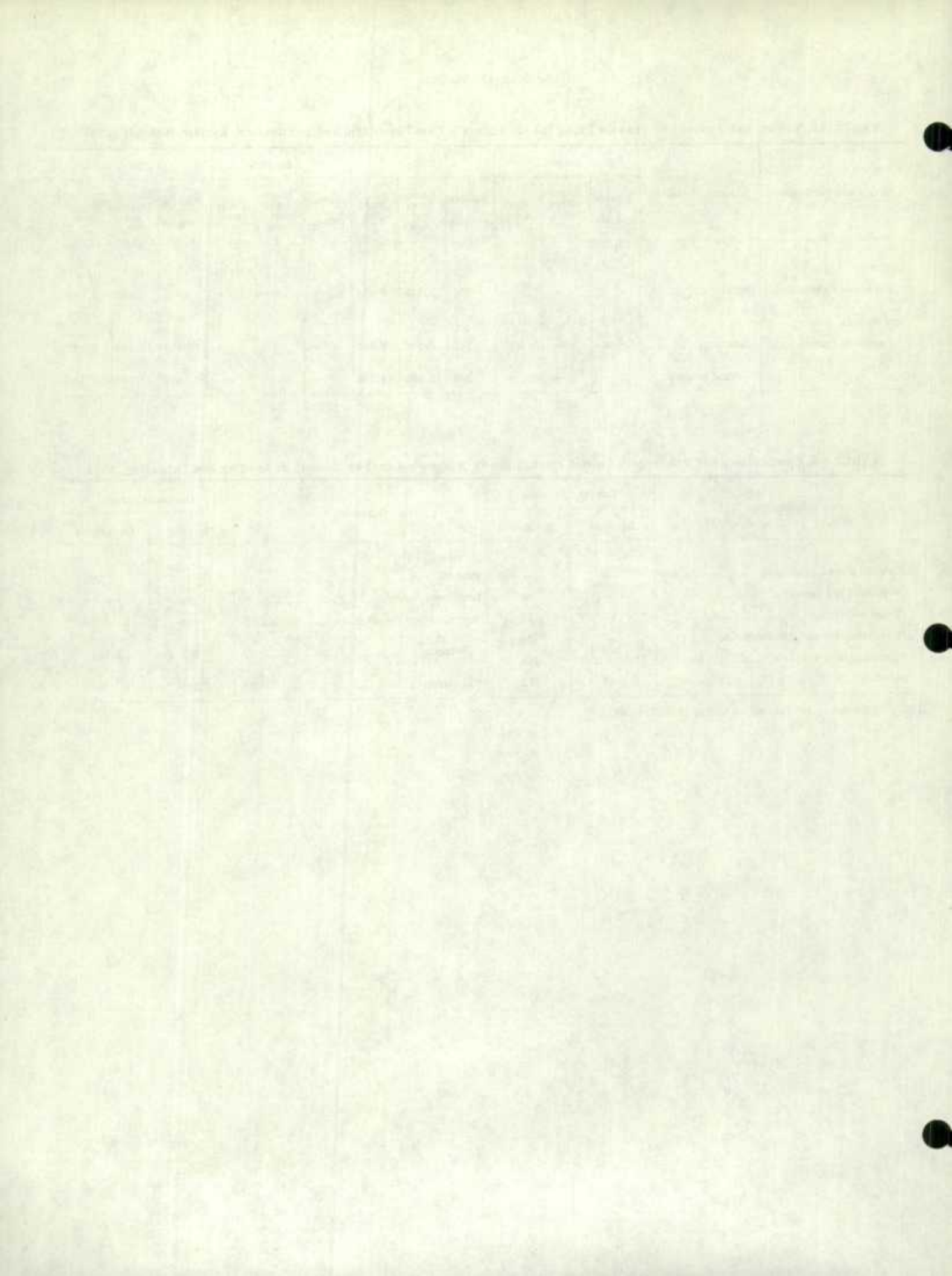
TABLE 94. Number and Tonnage of Vessels Using the St. Andrew's Canal by Origin and Destination, Registry and Rig, 1962

Origin and destination	Country of registry	Steam			Motor			Other			Total		
		Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons	Number of vessels	Registered net tons	Gross tons
Upbound:													
Canada to Canada .....	Canada.....	—	—	—	101	5,525	8,094	—	—	—	101	5,525	8,094
Downbound:													
Canada to Canada.....	Canada.....	—	—	—	101	5,564	8,051	—	—	—	101	5,564	8,051
	Grand totals.....	—	—	—	202	11,089	16,145	—	—	—	202	11,089	16,145

TABLE 95. Commodities and Passengers Carried through the St. Andrew's Canal by Country of Loading and Unloading, 1962

Commodity	Canada to Canada		Commodity	Canada to Canada	
	Upbound	Downbound		Upbound	Downbound
Fish and marine animals..... ton	727	—	Fuel oil .....	1	17
Grain, meal and cereals, n.e.s..... "	—	42	Containers, empty..... "	34	—
Fodder and feed..... "	—	15	Miscellaneous freight, n.e.s..... "	18	199
Food, beverages and tobacco, n.e.s..... "	—	324	Totals..... "	797	1,484
Wood fabricated materials..... "	—	215	Passengers <sup>1</sup> ..... No.	140	141
Gasoline..... "	17	682			

<sup>1</sup> Excluding 696 passengers carried in small boats.













STATISTICS CANADA LIBRARY  
BIBLIOTHÈQUE STATISTIQUE CANADA



1010702879