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CANAL STATISTICS

1958

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CANAL STATISTICS

1958

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CANAL STATISTICS

1958

SOURCE AND TREATMENT OF DATA

Canal statistics presented in this report were collected through Canal Officers of the Department of Transport and compiled by the Transportation and Public Utilities Section of the Dominion Bureau of Statistics. Each vessel using a Canadian canal was required to report to the officer in charge of a canal transited, giving the details of the vessel tonnage, country of registry, cargo, etc. In the period covered by this report no tolls were charged for the use of canals and at Sault Ste. Marie Canadian and United States vessels used the Canadian or United States locks as convenient. There are five locks at Sault Ste. Marie, one Canadian and four United States locks. Two of the locks on the United States side are 450 feet longer and 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 portion of the traffic uses the United States locks than uses the Canadian lock. Statistics on traffic through the Canso Canal have been shown in the Canal Statistics since 1955. This canal is considered to be part of the main line of canal traffic in Canada along with the Sault Ste. Marie, the Welland Ship and the St. Lawrence canals and is treated as such in all canal reports issued by the Bureau.

Traffic statistics are complete for each canal. Vessels and cargoes passing through two or more canals in going 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 Ship 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 Ship Canal and the St. Lawrence Canals while a considerable percentage of the traffic using the Welland Ship Canal passes through the St. Lawrence Canals. Practically all the Ottawa River Canal traffic uses the Lachine locks of the St. Lawrence Canals. In other words, 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".

During 1958 three locks of the new St. Lawrence Seaway were opened to navigation. On May 25 locks on the Galops Canal were abandoned and vessels rerouted through the newly constructed Iroquois lock. On July 1 the remaining locks of the old St. Lawrence system above Cornwall were flooded and traffic diverted through the new Eisenhower and Snell locks on the United States side of the St. Lawrence River. The St. Lawrence Seaway went into full operation at the opening of navigation in 1959 at which time all canals on the St. Lawrence-Great Lakes waterway system came under the jurisdiction of the St. Lawrence Seaway Authority and traffic on the St. Lawrence and Welland Canals became subject to toll.

The thirty-two tables appearing in this publication could be grouped into four parts: (1) Tables providing information on the total picture of canal traffic—Tables 1, 2 and 3. (2) Tables of special interest—Tables 4-13. (3) Tables giving detailed data on commodities carried through each of Canada's canals—Tables 14-25. (Tables for Sault Ste. Marie, Welland Ship and St. Lawrence Canals show the complete list of commodities for which statistics are tabulated, for the other canals only those commodities that were carried are listed.) (4) Tables with miscellaneous data—Tables 26-32.

Table 4, "Freight Carried through Selected Canal Networks Excluding Duplications", is an expansion of Table 2 as shown in 1954 and earlier annual reports. Seven significant commodities were chosen for inclusion in the table. 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 that of the earlier reports. Thus, traffic passing first through the United States Sault Ste. Marie Canal and then finally through the Welland Ship Canal is now considered under Welland Ship Canal only since for reporting and coding purposes the Bureau has no record of such traffic until it enters the Welland Ship Canal. In other words, "canal networks" now refers only to Canadian canal systems.

Table 5, "Number of 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 among Lake Michigan, Lake Huron and Lake Erie are not available because there are no canals connecting these lakes.

Tables 6A, 6B, 6C, and 6D reveal the number of vessels and amount of cargo which passes up and down the St. Lawrence Canals for points beyond the St. Lawrence region. An outside point is considered to be one which lies beyond the Gaspé Peninsula. Because of the interest in overseas traffic through the St. Lawrence canal system, individual countries and areas have been listed to allow for detailed study.

Tables 8, 9 and 10 analyse freight carried up and down the St. Lawrence, Welland Ship and Sault Ste. Marie canals by country of origin of cargo on either Canadian, United States, United Kingdom or "Other" registered vessels. Country of origin of cargo does not necessarily mean the country from which the cargo was loaded, but the country in which the commodity was produced. However, in most instances the country of loading is the

country in which the commodity originates. It may be noted that most of the cargo which originates from countries other than Canada or the United States passes through the St. Lawrence Canals only without entering either the Welland Ship or Sault Ste. Marie Canals.

Tables 12A, 12B and 12C show the number and registered net tonnage of vessels moving through the Sault Ste. Marie, Welland and St. Lawrence Canals, kind of vessel and length; and Tables 13A, 13B and 13C which include the number and registered net tonnage of vessels moving through these same canals, by kind of vessel and draft.

The water freight charges for grain shown in Tables 30, 31 and 32 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.

REVIEW OF 1958 TRAFFIC

The volume of freight shipped through Canadian canals declined in 1958 for the second consecutive year, dropping 2.1 million tons or 5.7 per cent to 35,096,587 tons from the 37,230,349 recorded in 1957 and 4.9 million tons or 12.3 per cent from the high of 40,016,565 registered in 1956. Decreased freight traffic was reported on all three major canals. Traffic on the Welland Ship Canal showed a decrease of 1,098,344 tons or 5 per cent to 21,274,194 tons, on the St. Lawrence 429,392 tons or 3.5 per cent to 11,762,100 and on the Sault Ste. Marie 556,039 tons or 31 per cent to 1,228,611. The Canso Canal with 526,606 tons compared with 395,795 in 1957 was the only canal to record a significant increase in 1958.

The decline in freight traffic through Canadian canals in 1958 is largely attributable to a drop of 2.2 million tons in iron ore to 5,819,593 and a drop of 1.8 million tons in bituminous coal to 5,466,813. Total mine products showed a decline of 4.3 million tons to 13,720,002. Manufactures and miscellaneous products totalled 5,735,583, down 578,631 tons from the 6,314,214 transported in 1957. Main items in this group to show a decline were iron, pig, and bloom, fuel oil; petroleum oils; and gasoline. Agricultural products, which were primarily responsible for the previous year's decrease in freight traffic, returned almost to 1956 levels with wheat up 1.4 million tons to 6,515,540 and barley up 1.1 million tons to 2,476,176.

Vessel passages numbered 27,451 in 1958, down 1985 or 6.7 per cent from the 29,436 recorded one year earlier. Vessels of Canadian registry showed a drop of 2,428 to 21,763 while vessels of United States registry declined 108 to 3,216 and

vessels of United Kingdom registry 30 to 302. Vessels of all other registries, on the other hand, registered an increase of 581 passages to 2,170. In consequence to the overall decline in vessel passages, registered net tonnage fell to 31,657,418 tons from 33,114,726.

As shown in Table 2, Canadian vessels in 1958 carried 30,344,507 tons or 86.5 per cent of all cargo through Canadian canals, United States vessels 2,607,879 tons or 7.4 per cent, United Kingdom vessels 236,677 tons or 0.7 per cent and other foreign vessels 1,907,524 tons or 5.4 per cent. The proportion of traffic carried by Canadian and United States vessels was down slightly from the previous year while that of United Kingdom and other vessels went up to 6.1 from 4.5 per cent.

Greater use was made of the St. Lawrence Canals in 1958 by vessels originating and terminating at points outside the St. Lawrence-Great Lakes waterway system. Arrivals from outside points increased to 735 from 619 in 1957 while departures for outside points rose to 599 from 539. Vessels of German registry made up the largest single group in both the upbound and downbound traffic. Cargo carried into the St. Lawrence Canal system from outside points increased to 602,554 tons from 479,584 in 1957. The reverse flow amounted to 572,609 tons compared with 515,197 one year earlier. Of the total of 1,175,161 tons carried either up or down the system, vessels of German registry accounted for 422,413 tons and vessels of Norwegian registry 251,667 tons. Details of traffic between the St. Lawrence-Great Lakes waterway system and outside points are presented in Tables 6A, 6B and 6C.

Table 14 presents the combined traffic of the Canadian and United States canals at Sault Ste. Marie. The volume of freight shipped through the combined system dropped 31 per cent in 1958 to 76,681,513 tons from 111,792,230 in 1957. Iron ore shipments declined 32,321,704 tons to 54,188,010 and bituminous coal 2,581,837 tons to 6,388,803. Vessel passages decreased 4,670 to 16,633 from 21,303 and registered net tonnage 26,604,164 tons to 63,776,106 from 90,380,270. A total of 269,714 passengers was reported on vessels using the combined system, an increase of 90,910 over the 178,804 recorded in 1957.

Total passenger traffic through Canadian canals increased 47,098 to 145,562 from 98,464

in 1957. Pleasure craft lockages rose to 86,738 from 72,200.

The 1958 season of navigation varied within a few days of the 1957 season for each of the three major canals. The Sault Ste. Marie Canal was in use 248 days or four less than in 1957 and the Welland Ship Canal 262 days or two less than in the previous year. The St. Lawrence Canals opened four days later than in 1957 but remained open six days longer for a net increase of two days to 250. The Canso Canal was in use 287 days compared with 279 days in 1957. Four of the smaller canals also remained in operation for a longer period in 1958.

CHARTS

The chart on page 8 presents the volume of freight carried through the St. Lawrence Canals compared with the amount shipped through all canals over the period 1940 to 1958. Total traffic on all canals rose from 22.8 million tons in 1940 to 40.1 million in 1956, and then dropped back to 35.1 million tons in 1958. The quantity of ship-

ments through the St. Lawrence Canals tends to follow the pattern of traffic for all canals.

The two charts on page 9 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 1958.

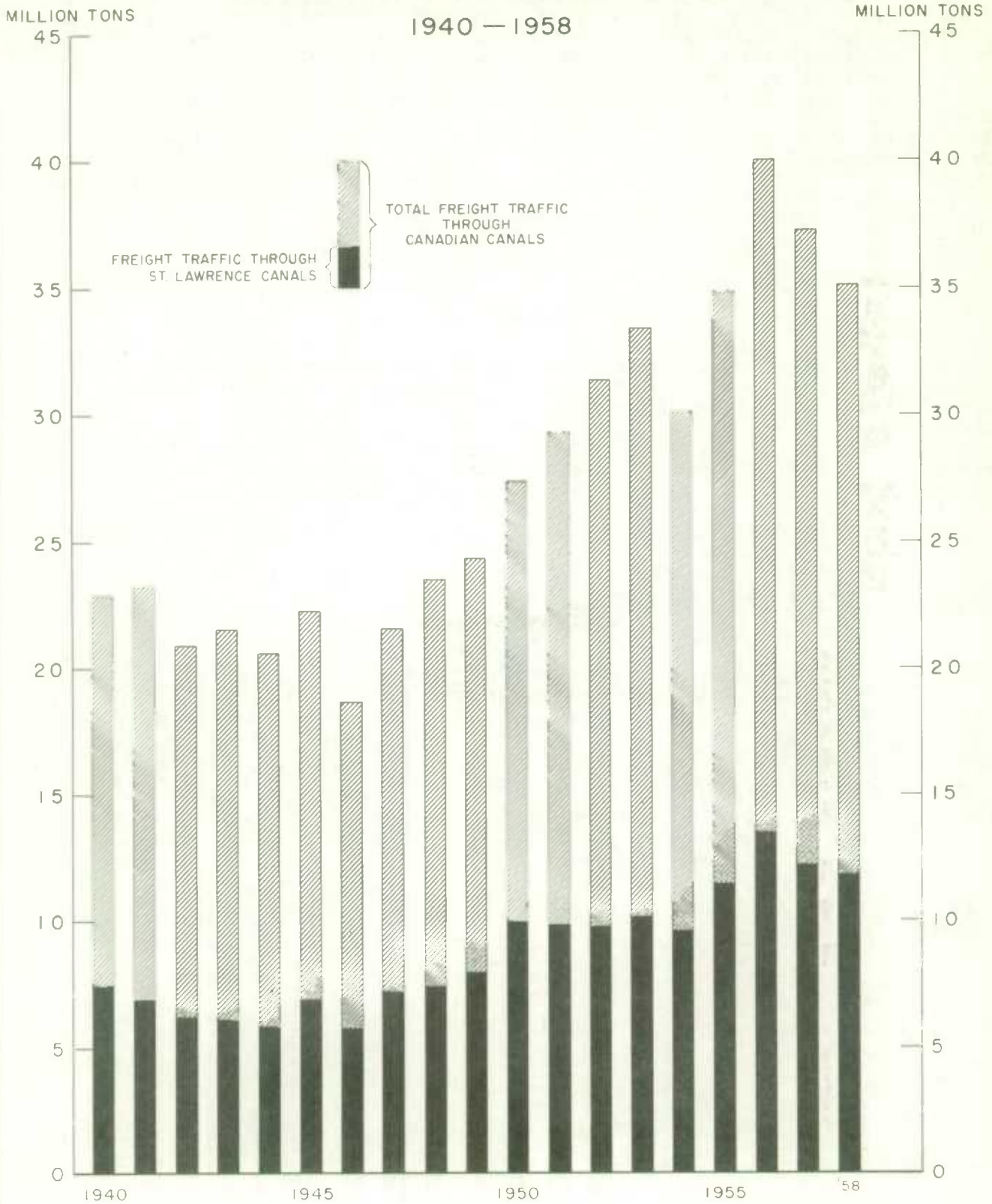
June 30, 1959.

NOTES AND SYMBOLS

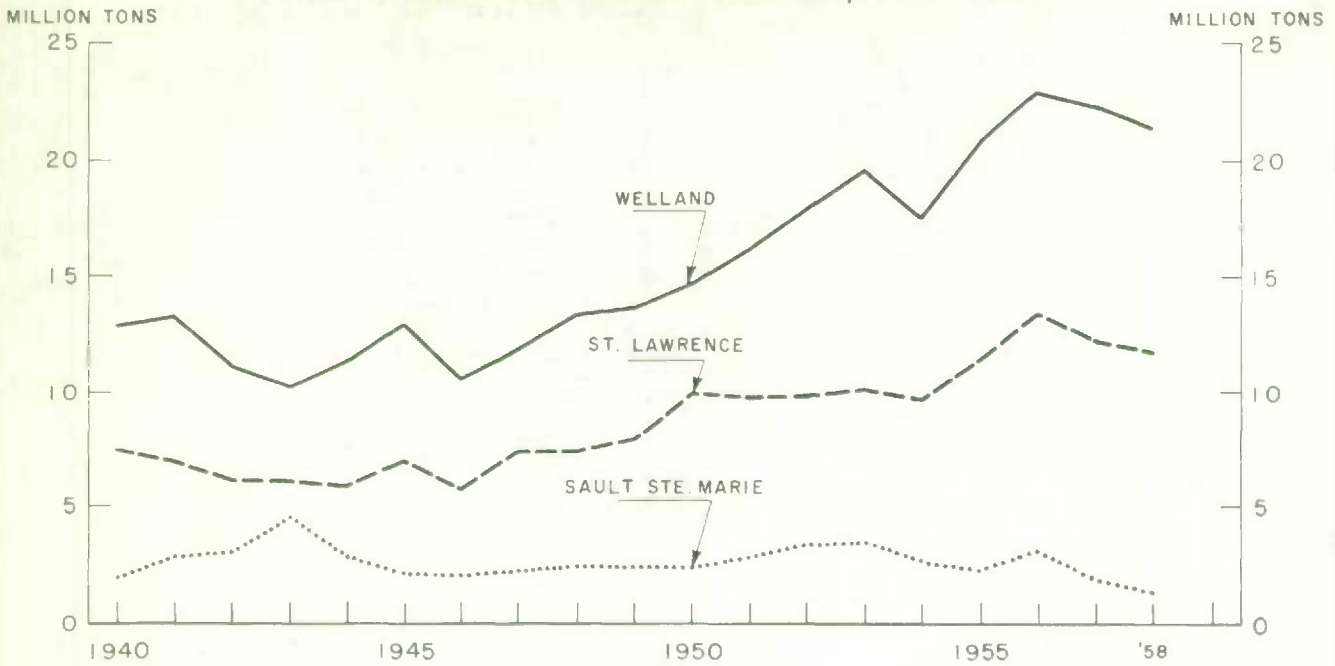
A "cargo ton" equals 2,000 pounds.
"n.a." means not available.

TOTAL FREIGHT TRAFFIC THROUGH CANADIAN CANALS

1940 — 1958



FREIGHT TRAFFIC THROUGH WELLAND, ST. LAWRENCE
AND SAULT STE MARIE CANALS, 1940-1958



VESSEL TRAFFIC THROUGH WELLAND, ST. LAWRENCE
AND SAULT STE. MARIE CANALS, 1940-1958

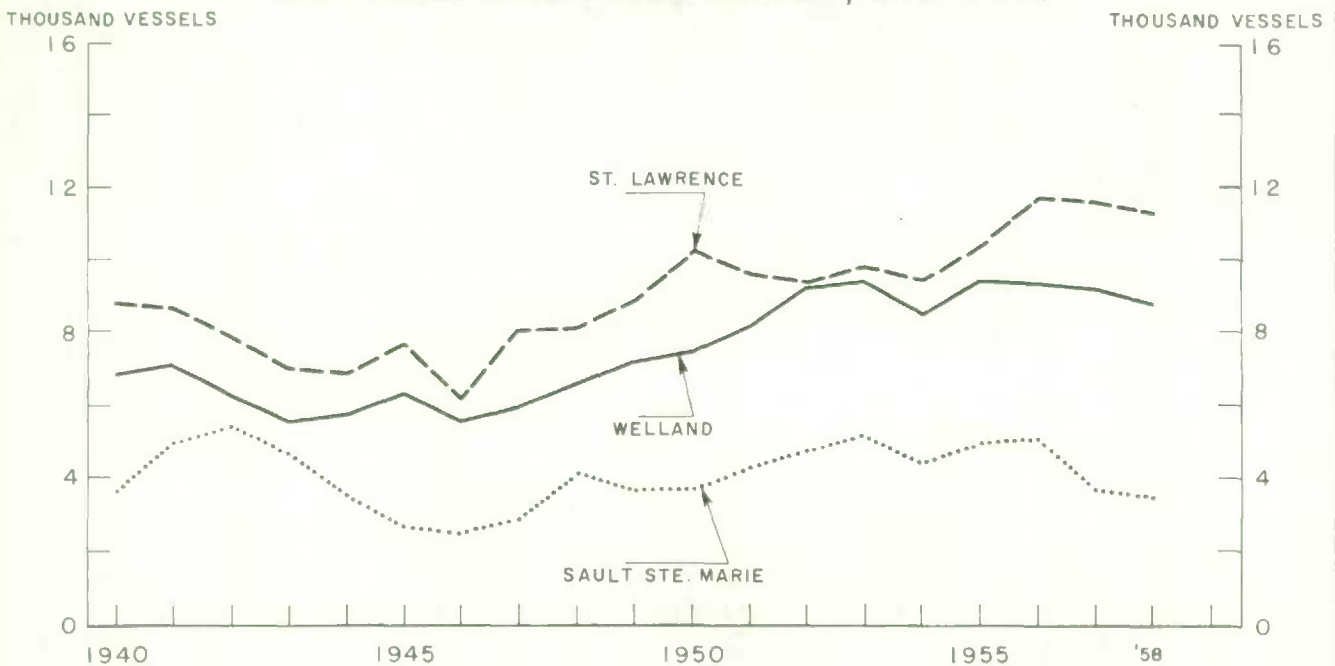


TABLE 1. Total Traffic through Canadian Canals

No.		Sault Ste. Marie	Welland Ship	St. Lawrence	Ottawa River	Richelieu River
		Number of vessels				
1	Canadian vessels	2,328	5,985	9,686	928	653
2	United States vessels	1,023	1,667	369	—	32
3	United Kingdom vessels	10	110	168	—	—
4	Other foreign vessels	81	974	1,022	—	3
5	Total vessels	3,442	8,736	11,245	928	688
6	Passengers	139,729	2,872	2,384	—	72
		Registered net tonnage of vessels				
	Canadian vessels:					
7	Steam	1,727,516	13,597,921	5,338,780	—	263
8	Motor	451,804	1,708,134	2,415,049	12,915	59,418
9	Unrigged	213,010	28,640	301,830	219,147	48,236
10	Other	—	451	—	—	—
	United States vessels:					
11	Steam	290,635	1,697,729	1,594	—	—
12	Motor	84,564	271,158	46,759	—	866
13	Unrigged	15,804	496,053	62,814	—	—
14	Other	—	41,702	328	—	—
	United Kingdom vessels:					
15	Steam	759	8,250	6,902	—	—
16	Motor	5,104	62,571	98,947	—	—
17	Unrigged	—	—	798	—	—
18	Other	—	—	—	—	—
	Other foreign vessels:					
19	Steam	8,559	49,879	47,192	—	—
20	Motor	54,405	765,247	796,917	—	170
21	Unrigged	—	—	—	—	—
22	Other	—	—	—	—	—
23	Total	2,852,160	18,727,735	9,117,910	232,062	108,933
		Cargo tons				
	Agricultural products:					
24	Wheat	101,132	3,630,281	2,784,147	—	—
25	Corn	20,106	405,471	262,768	—	—
26	Oats	65,137	356,630	259,528	—	—
27	Barley	111,239	1,336,175	1,028,762	—	—
28	Rye	1,663	98,480	50,079	—	—
29	Flaxseed	12,566	355,961	332,033	—	—
30	Soyabeans	—	399,789	83,624	—	—
31	Grain screenings	1,221	8,493	8,530	—	—
32	Other grain	—	4,348	6,596	—	—
33	Flour	15,768	21,047	19,646	—	—
34	Other mill products	74,839	16,882	13,252	—	—
35	Hay and straw	—	—	—	—	—
36	Fruit and vegetables	—	—	275	—	—
37	Other agricultural products	7,557	19,078	19,138	—	—
38	Total	411,228	6,652,615	4,868,378	—	—
	Animals and animal products:					
39	Cattle and calves	—	—	—	—	—
40	Other live animals and live poultry	—	—	—	—	—
41	Fish	—	1,569	1,778	—	—
42	Dressed meats	—	881	881	—	—
43	Dairy products	—	685	1,992	—	—
44	Other packing house products	—	1,100	1,100	—	—
45	Other animal products	—	9,998	10,299	—	—
46	Total	—	14,233	16,050	—	—
	Mine products:					
47	Coal, anthracite	—	10,043	10,906	—	—
48	Coal, bituminous	36,968	4,400,800	1,028,361	—	618
49	Coke	—	48,788	31,976	—	—
50	Iron ore and concentrates	2,000	4,291,484	1,526,109	—	—
51	Copper ore and concentrates	—	—	—	—	—
52	Other ores and concentrates	—	55,458	48,358	—	—
53	Petroleum, crude (Foreign)	—	136,785	—	—	—
54	Petroleum, crude (Canadian)	2,600	189,226	247,935	—	—
55	Sand, gravel and stone	126,525	494,993	200,693	189,980	—
56	Limestone	21,371	20,468	9,629	—	—
57	Salt	12,758	148,638	114,526	—	—
58	Other mine products	—	118,032	159,221	—	215
59	Total	202,222	9,914,715	3,377,714	189,980	833

TABLE 1. Total Traffic through Canadian Canals

Rideau	Trent	Murray	St. Andrew's	St. Peter's	Canso	Total	Compared with 1957		No.
							Increase	Decrease	
Number of vessels									
60	84	206	356	380	1,097	21,763	-	2,428	1
17	4	46	-	17	41	3,216	-	108	2
-	-	-	-	-	14	302	-	30	3
-	-	-	-	-	90	2,170	581	-	4
77	88	252	356	397	1,242	27,451	-	1,985	5
347	-	23	-	122	13	145,562	47,098	-	6
Registered net tonnage of vessels									
270	-	29,692	-	1,606	132,406	20,828,456	-	1,167,977	7
850	4,732	2,273	24,899	6,538	294,102	4,980,714	503,182	-	8
1,005	8	8,046	-	1,646	5,846	825,414	-	424,232	9
-	-	524	-	-	-	975	-	1,772	10
-	-	-	-	-	-	1,969,958	-	763,719	11
272	50	554	-	272	18,073	422,568	30,140	-	12
-	-	-	-	-	150	574,821	-	68,808	13
-	-	247	-	-	-	42,277	29,102	-	14
-	-	-	-	-	3,508	19,419	-	15,520	15
-	-	-	-	-	12,087	178,709	-	7,306	16
-	-	-	-	-	-	798	498	-	17
-	-	-	-	-	-	-	-	-	18
-	-	-	-	-	11,599	117,229	-	82,015	19
-	-	-	-	-	59,341	1,676,080	492,227	-	20
-	-	-	-	-	-	-	-	1,108	21
-	-	-	-	-	-	-	-	-	22
2,397	4,790	39,338	24,899	10,064	537,112	31,657,418	-	1,457,308	23
Cargo tons									
-	-	-	-	-	-	6,515,540	1,433,038	-	24
-	-	-	-	-	-	688,345	244,925	-	25
-	-	-	-	-	-	681,295	185,976	-	26
-	-	-	-	-	-	2,476,176	1,070,607	-	27
-	-	-	-	-	-	150,222	106,177	-	28
-	-	-	-	-	-	700,560	-	433,709	29
-	-	-	-	-	-	483,413	79,423	-	30
-	-	-	-	-	-	18,244	8,190	-	31
-	-	-	3	-	-	10,947	-	3,859	32
-	-	-	75	-	876	57,412	-	27,210	33
-	-	-	3	-	980	105,956	-	45,767	34
-	-	-	44	-	-	44	19	-	35
-	-	-	4	53	10,273	10,605	-	7,956	36
-	-	-	-	-	-	45,773	33,889	-	37
-	-	-	129	53	12,129	11,944,532	2,643,745	-	38
-	-	-	-	-	50	50	-	20	39
-	-	-	-	-	130	130	-	427	40
-	-	-	2,398	814	11,970	18,529	-	3,312	41
-	-	-	4	-	-	1,766	-	4,870	42
-	-	-	-	-	550	3,227	-	10,572	43
-	-	-	-	-	-	2,200	2,197	-	44
-	-	-	-	-	535	20,832	7,658	-	45
-	-	-	2,402	814	13,235	46,734	-	9,346	46
-	-	-	-	-	-	20,949	18,244	-	47
26	-	-	4	6	30	5,466,813	-	1,752,192	48
-	-	-	-	-	-	80,764	10,221	-	49
-	-	-	-	-	-	5,819,593	-	2,165,505	50
-	-	-	-	-	-	-	-	18,374	51
-	-	-	-	-	12,440	116,256	-	20,087	52
-	-	-	-	-	-	138,785	-	248,860	53
-	-	-	-	-	-	439,761	-	183,733	54
-	-	-	-	-	-	1,012,191	21,540	-	55
-	-	-	-	-	-	51,466	17,002	-	56
-	-	-	-	290	229	276,441	25,517	-	57
-	-	-	-	-	21,513	298,981	-	10,577	58
26	-	-	4	296	34,212	13,720,002	-	4,304,804	59

TABLE 1. Total Traffic through Canadian Canals - Concluded

No.		Sault Ste. Marie	Welland Ship	St. Lawrence	Ottawa River	Richelieu River
		Cargo tons				
	Forest products:					
1	Pulpwood	500	523,424	447,594	—	—
2	Logs, posts, poles, pitprops, piling	290	—	83	—	—
3	Lumber, timber, cooperage stock	—	805	39,926	—	—
4	Firewood, hogged fuel	—	—	—	—	—
5	Other forest products	—	—	210	—	—
6	Total	790	524,229	487,813	—	—
	Manufactures and miscellaneous:					
7	Gasoline	33,329	332,610	36,810	—	—
8	Fuel oil	45,002	929,363	547,365	—	—
9	Petroleum oils and other petroleum products	20,580	332,669	176,458	—	—
10	Iron, pig and bloom	—	20,398	24,940	—	—
11	Iron and steel, bar, sheet, structural, pipe	116,538	104,028	100,895	—	—
12	Iron and steel, other	249	5,687	14,590	—	—
13	Scrap, iron and steel	3,528	170,519	55,279	—	—
14	Metals and alloys	—	35,705	36,863	—	—
15	Agricultural implements	—	—	—	—	—
16	Autos, trucks and parts	2,666	7,413	9,078	—	—
17	Machines, machinery and parts	1,090	880	2,512	—	—
18	Fertilizers, all kinds	—	2,650	2,650	—	47,116
19	Chemicals and chemical products	4,300	163,646	15,312	—	4,450
20	Cement, bricks, lime and plaster	260	263,549	52,580	—	—
21	Wood pulp	97,167	60,455	44,430	—	—
22	Newsprint paper	91,344	446,129	250,337	—	25,377
23	Paperboard, pulpboard, wallboard	—	55	2,125	—	—
24	Other manufactured wood products	2,121	1,381	940	—	—
25	Sugar	50	62,905	38,137	—	—
26	Sulphur, natural or synthetic	13,470	107,627	78,280	—	10,600
27	Beverages	—	58	58	—	—
28	Other manufactured products	6,733	161,293	57,120	—	5,616
29	Total	438,427	3,229,020	1,546,759	—	93,159
30	Other freight	175,994	939,382	1,465,386	—	14,139
31	Grand total	1,228,661	21,274,194	11,762,100	189,980	108,131

TABLE 2. Total Freight Carried through Canals in Canadian, United States, United Kingdom and Other Vessels

No.	Canal	Total up	Total down	Grand total
		Cargo tons	Cargo tons	Cargo tons
1	Sault Ste. Marie	347,169	881,492	1,228,661
2	Welland Ship	5,005,567	16,268,607	21,274,194
3	St. Lawrence	4,670,247	7,091,853	11,762,100
4	Ottawa River	—	189,980	189,980
5	Richelieu River	81,557	26,574	108,131
6	Rideau	37	39	76
7	Trent	40	35	75
8	Murray	383	—	383
9	St. Andrew's	2,642	2,028	4,670
10	St. Peter's	863	848	1,711
11	Canso	364,044	162,562	526,606
12	Total Canadian canals	10,472,569	24,624,016	35,096,587
13	Sault Ste. Marie - Canadian and United States ¹	9,634,652	67,048,879	76,683,531

¹ Data obtained from United States Corps of Engineers preliminary report of "Interlake Traffic". Figures are subject to change.

TABLE 1. Total Traffic through Canadian Canals - Concluded

Rideau	Trent	Murray	St. Andrew's	St. Peter's	Canso	Total	Compared with 1957		No.
							Increase	Decrease	
Cargo tons									
—	—	—	—	—	22,743	994,261	—	30,916	1
—	—	—	—	—	—	373	28	—	2
10	—	—	69	8	629	41,667	6,127	—	3
—	—	—	5	—	—	5	—	430	4
—	—	—	—	—	2	212	212	—	5
10	—	—	94	8	23,574	1,036,518	—	74,979	6
—	25	—	874	—	201,506	605,154	—	97,838	7
—	7	—	—	—	181,508	1,703,245	—	234,395	8
—	13	1	1	—	8,364	538,086	—	127,388	9
—	—	—	—	—	—	45,338	—	396,730	10
—	—	350	5	—	850	322,666	47,158	—	11
—	—	—	—	—	—	20,526	17,519	—	12
—	—	—	—	—	—	229,326	—	106,915	13
—	—	—	—	—	460	73,028	52,581	—	14
—	—	—	—	—	—	—	—	273	15
—	—	—	2	—	—	19,159	2,077	—	16
25	—	24	31	—	—	4,562	2,265	—	17
—	—	—	—	—	—	52,416	—	4,039	18
—	—	—	20	—	450	188,178	18,889	—	19
—	—	—	21	87	21,146	357,645	—	5,694	20
—	—	—	—	—	—	202,052	19,667	—	21
—	—	—	—	—	—	813,187	—	9,835	22
—	—	—	—	—	—	2,180	—	4,768	23
—	—	—	—	—	—	4,442	756	—	24
—	—	—	1	—	8,984	110,077	20,250	—	25
—	—	—	35	—	—	209,977	108,472	—	26
—	—	—	—	—	—	151	—	52	27
3	30	8	522	122	2,741	234,168	119,662	—	28
28	75	383	1,512	209	426,011	5,735,563	—	578,631	29
12	—	—	529	331	17,445	2,613,218	190,253	—	30
76	75	383	4,670	1,711	326,606	35,096,567	—	2,133,762	31

TABLE 2. Total Freight Carried through Canals in Canadian, United States, United Kingdom and Other Vessels

Transported in								No.
Canadian vessels		United States vessels		United Kingdom vessels		Other vessels		
Cargo tons	P.c. of total	Cargo tons	P.c. of total	Cargo tons	P.c. of total	Cargo tons	P.c. of total	
1,148,268	93.4	19,219	1.6	4,895	0.4	56,479	4.6	1
17,846,469	83.9	2,557,969	12.0	78,447	0.4	791,309	3.7	2
10,595,328	90.1	30,106	0.2	142,063	1.2	994,603	8.5	3
189,980	100.0	—	—	—	—	—	—	4
108,131	100.0	—	—	—	—	—	—	5
76	100.0	—	—	—	—	—	—	6
75	100.0	—	—	—	—	—	—	7
383	100.0	—	—	—	—	—	—	8
4,670	100.0	—	—	—	—	—	—	9
1,711	100.0	—	—	—	—	—	—	10
449,416	85.3	585	0.1	11,472	2.2	65,133	12.4	11
30,344,507	86.5	2,607,879	7.4	236,677	0.7	1,907,524	5.4	12
16,525,857	21.5	60,088,392	78.4	—	—	71,282 ²	0.1	13

² Includes United Kingdom vessels.

TABLE 3. Total Freight Carried through Canals by Country of Loading and Unloading of Cargo

Canal	From Canadian to Canadian ports		From Canadian to United States ports		From Canadian to United Kingdom ports		From Canadian to Other ports			
	Up	Down	Up	Down	Up	Down	Up	Down		
	cargo tons									
Sault Ste. Marie	249,890	586,681	290	229,467	—	22,092	—	2,795		
Welland ship	1,185,957	6,155,677	3,153,641	31,953	—	62,943	—	49,785		
St. Lawrence	2,066,323	5,378,332	2,072,981	—	—	106,414	—	86,069		
Ottawa River	—	189,980	—	—	—	—	—	—		
Richelieu River	56,180	5,135	25,377	125	—	—	—	356		
Rideau	37	39	—	—	—	—	—	—		
Trent	40	35	—	—	—	—	—	—		
Murray	183	—	200	—	—	—	—	—		
St. Andrew's	2,642	2,028	—	—	—	—	—	—		
St. Peter's	863	848	—	—	—	—	—	—		
Canso	348,558	117,306	—	15,751	—	3,318	—	21,550		
Total Canadian canals	3,910,673	12,436,061	5,252,489	277,296	—	194,767	—	160,555		
Sault Ste. Marie — Canadian and United States ¹	727,455	8,604,605	36,553	3,325,380	—	—	—	30,053		
	From United States to United States ports		From United States to Canadian ports		From United States to United Kingdom ports		From United States to Other ports		From United Kingdom to Canadian ports	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
	cargo tons									
Sault St. Marie	10,295	6,682	79,160	17,600	—	10,222	—	5,953	—	—
Welland ship	315,442	1,032,761	3,535	8,591,333	—	85,193	—	258,962	454	—
St. Lawrence	525	28,431	14,654	1,146,466	—	83,492	—	262,649	77,218	—
Ottawa River	—	—	—	—	—	—	—	—	—	—
Richelieu River	—	—	—	20,958	—	—	—	—	—	—
Rideau	—	—	—	—	—	—	—	—	—	—
Trent	—	—	—	—	—	—	—	—	—	—
Murray	—	—	—	—	—	—	—	—	—	—
St. Andrew's	—	—	—	—	—	—	—	—	—	—
St. Peter's	—	—	—	—	—	—	—	—	—	—
Canso	—	550	1,036	—	—	—	—	4,087	—	—
Total Canadian canals	326,262	1,068,424	98,385	9,776,357	—	178,907	—	531,651	77,672	—
Sault Ste. Marie — Canadian and United States ¹	6,369,608	51,958,929	2,493,370	3,112,687	—	—	—	17,225	—	—
	From United Kingdom to United States ports		From Other to Canadian ports		From Other to United States ports		Total			
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
	cargo tons									
Sault Ste. Marie	—	—	4,121	—	3,413	—	347,169	—	881,492	—
Welland ship	70,666	—	26,584	—	249,308	—	5,005,587	—	16,268,607	—
St. Lawrence	70,883	—	118,029	—	249,634	—	4,870,247	—	7,091,853	—
Ottawa River	—	—	—	—	—	—	—	—	189,980	—
Richelieu River	—	—	—	—	—	—	81,557	—	26,574	—
Rideau	—	—	—	—	—	—	—	—	37	39
Trent	—	—	—	—	—	—	—	—	40	35
Murray	—	—	—	—	—	—	—	—	383	—
St. Andrew's	—	—	—	—	—	—	—	—	2,642	2,028
St. Peter's	—	—	—	—	—	—	—	—	863	848
Canso	—	—	9,844	—	4,606	—	364,044	—	162,562	—
Total Canadian canals	141,549	—	158,578	—	506,961	—	10,472,569	—	24,624,018	—
Sault Ste. Marie — Canadian and United States ¹	—	—	4,121 ¹	—	3,545 ²	—	9,634,652	—	67,048,879	—

¹ Data obtained from United States Corps of Engineers preliminary report of "Interlake Traffic". Figures are subject to change.² "Other" includes United Kingdom.

TABLE 4. Freight Carried through Selected Canal Networks Excluding Duplications

Canal network	Barley	Wheat	Crude petroleum	News - print	Pulp-wood	Soft coal	Iron ore	All other freight	Total 1958	Total 1957
Cargo tons of freight carried up										
Ottawa river only	—	—	—	—	—	—	—	—	—	—
Richelieu river only	—	—	—	25,377	—	—	—	56,180	81,557	85,429
St. Lawrence and Ottawa	—	—	—	—	—	—	—	—	—	180
St. Lawrence, Ottawa and Richelieu ¹	—	—	—	—	—	—	—	—	—	—
St. Lawrence and Richelieu ¹	—	—	—	—	—	—	—	14,354	14,354	10,238
St. Lawrence only	1,683	—	244,935	8,099	72,778	204,535	205,191	1,193,655	1,930,876	1,715,246
St. Lawrence and Welland Ship	—	—	—	242,201	374,816	—	1,320,918	753,111	2,691,046	3,299,462
St. Lawrence, Welland Ship and Sault Ste. Marie	—	—	—	—	—	—	—	33,971	33,971 ³	63,671 ³
Welland Ship only	14,661	17,021	3,800	201,534	2,662	12,838	538,581	1,414,826	2,205,943	1,679,517
Welland Ship and Sault Ste. Marie	—	—	—	—	—	—	—	74,627	74,627 ³	98,022 ³
Sault Ste. Marie only	—	60	—	—	—	—	33,949	202,562	238,571 ³	464,957 ³
Rideau	—	—	—	—	—	—	—	37	37	154
Trent	—	—	—	—	—	—	—	40	40	11
Murray	—	—	—	—	—	—	—	383	383	600
St. Andrew's	—	—	—	—	—	—	—	2,642	2,642	2,852
St. Peter's	—	—	—	—	—	—	—	863	863	1,389
Canso	—	—	—	—	7,000	—	—	357,014	364,044	233,908
Canso and St. Peter's ³	—	—	—	—	—	30	—	—	—	—
Canso and St. Lawrence	—	—	—	—	—	—	—	—	—	—
Total	16,344	17,081	248,735	477,211	457,276	251,352	2,066,690	4,104,265	7,638,954	7,655,636
Cargo tons of freight carried down										
Ottawa river only	—	—	—	—	—	—	—	—	—	7,200
Richelieu river only	—	—	—	—	—	618	—	11,602	12,220	16,699
St. Lawrence and Ottawa	—	—	—	—	—	—	—	189,980	189,980	349,260
St. Lawrence, Ottawa and Richelieu ¹	—	—	—	—	—	—	—	—	—	—
St. Lawrence and Richelieu ¹	—	—	—	—	—	—	—	—	—	—
St. Lawrence only	602,204	1,451,555	3,000	10	—	359,371	—	947,471	3,363,611	3,513,526
St. Lawrence and Welland Ship	390,209	1,313,613	—	27	—	464,455	—	1,291,139	3,459,443	3,184,752
St. Lawrence, Welland Ship and Sault Ste. Marie	34,666	18,979	—	—	—	—	—	25,174	78,819 ³	55,157 ³
Welland Ship only	848,691	2,230,894	319,611	2,367	145,926	3,923,507	2,431,985	2,607,047	12,510,028	13,736,723
Welland Ship and Sault Ste. Marie	47,948	49,754	2,600	—	—	—	—	120,015	220,317 ³	255,234 ³
Sault Ste. Marie only	28,625	32,339	—	91,344	500	3,019	—	426,529	582,356 ³	847,659 ³
Rideau	—	—	—	—	—	—	—	13	39	5,690
Trent	—	—	—	—	—	—	—	35	35	63
Murray	—	—	—	—	—	—	—	—	—	190
St. Andrew's	—	—	—	—	—	4	—	2,024	2,028	2,617
St. Peter's	—	—	—	—	—	6	—	842	848	3,252
Canso	—	—	—	—	15,743	—	—	146,819	162,562	161,887
Canso and St. Peter's ³	—	—	—	—	—	—	—	—	—	—
Canso and St. Lawrence	—	—	—	—	—	—	—	—	—	—
Total	1,952,343	5,097,134	325,211	93,748	162,169	4,751,006	2,431,985	5,768,690	20,582,286	22,139,909

¹ Down the Richelieu river canal.² Traffic through United States locks at Sault Ste. Marie is not considered in eliminating duplications.³ Down the St. Peter's canal.⁴ Up the Richelieu river canal.⁵ Up the St. Peter's canal.TABLE 5. Number of Cargo Tons Carried in Interlake Traffic¹

From Lake or area	To						Total
	Lake Superior	Lake Michigan	Lake Huron	Lake Erie ²	Lake Ontario ³	St. Lawrence River	
Lake Superior	xxx	18,634,235 ⁴	3,284,419 ⁴	38,077,748 ⁴	6,535,546	229,554	66,961,502
Lake Michigan	1,558,677 ⁴	xxx	n. a.	n. a.	522,089	93,353	n. a.
Lake Huron	1,754,292 ⁴	n. a.	xxx	n. a.	275,880	24,292	n. a.
Lake Erie ²	5,974,236 ⁴	n. a.	n. a.	xxx	5,316,552	2,595,294	n. a.
Lake Ontario ³	302,998	202,741	120,397	1,545,956	xxx	3,326,154	5,497,886
St. Lawrence River	32,294	183,955	12,997	1,812,443	1,643,001	xxx	3,664,690
Total	9,622,497	n. a.	n. a.	n. a.	14,292,868	6,268,647	n. a.

¹ "Way" traffic on the St. Lawrence and Welland Ship canals which originates and terminates within the same canal is excluded from this table.² Canadian data includes Canadian and United States Detroit River ports and Lake St. Clair and St. Clair River ports.³ Canadian data includes Welland Ship Canal ports and St. Lawrence River ports to Cardinal.⁴ Data obtained from United States Corps of Engineers' preliminary report of "Interlake Traffic".

TABLE 6A. Number of Vessels Up-bound through St. Lawrence Canals from Outside Points, by Country of Registry

No.	Country of registry of vessel	Ports or countries of origin of vessel							
		Canadian Atlantic Coast ports	United States Atlantic Coast and Gulf of Mexico ports	United Kingdom and Northern Ireland	British West Indies and Bermuda	Belgium	Denmark	Finland	France
1	Canada	48	102	—	—	—	—	—	—
2	United States	—	13	—	—	—	—	—	—
3	United Kingdom and Northern Ireland ..	31	—	35	—	2	—	—	—
4	British West Indies and Bermuda	—	1	—	—	—	—	—	—
5	Denmark	—	—	11	1	3	1	1	1
6	Finland	—	—	2	—	—	—	4	—
7	France	—	—	—	—	1	—	—	8
8	Germany	3	—	64	—	21	—	—	13
9	Italy	—	—	—	—	—	—	—	—
10	Netherlands	—	1	10	—	8	—	—	7
11	Norway	2	1	45	5	7	3	2	5
12	Sweden	—	—	9	—	—	—	—	1
13	Other European Countries	—	—	—	—	—	—	—	—
14	Panama	—	—	—	—	—	—	—	—
15	Other Central American and Caribbean Countries	—	—	—	—	—	—	—	—
16	African Countries	—	—	1	—	—	—	—	—
17	Total	86	118	177	6	42	4	7	35

TABLE 6B. Number of Vessels Down-bound through St. Lawrence Canals to Outside Points, by Country of Registry

No.	Country of registry of vessel	Ports or countries of destination of vessel								
		Canadian Atlantic Coast ports	United States Atlantic Coast and Gulf of Mexico ports	United Kingdom and Northern Ireland	British West Indies and Bermuda	Belgium	Denmark	Finland	France	Germany
1	Canada	24	3	—	2	—	—	—	—	—
2	United States	1	11	—	—	—	—	—	—	—
3	United Kingdom and Northern Ireland ..	26	2	31	—	1	—	—	—	—
4	British West Indies and Bermuda	—	1	—	—	—	—	—	—	—
5	Denmark	—	—	13	1	1	—	—	1	1
6	Finland	—	—	1	—	—	1	2	—	—
7	France	—	—	—	—	—	—	—	10	—
8	Germany	—	—	70	4	21	—	—	29	37
9	Italy	—	—	—	—	—	—	—	—	—
10	Netherlands	—	—	12	—	—	—	—	14	1
11	Norway	1	—	40	4	2	4	—	9	1
12	Sweden	—	—	12	—	3	—	—	15	—
13	Panama	—	—	—	—	—	—	—	—	—
14	African Countries	—	—	1	1	—	—	—	—	—
15	Total	52	17	180	12	28	5	2	78	40

TABLE 6C. Number of Tons of Cargo Carried Up St. Lawrence Canals from Outside Points, by Country of Registry of Vessel

No.	Country of registry of vessel	Ports or countries at which cargo loaded								
		Canadian Atlantic Coast ports	United States Atlantic Coast and Gulf of Mexico ports	United Kingdom and Northern Ireland	British West Indies and Bermuda	Belgium	Denmark	Finland	France	Germany
1	Canada	48,517	14,354	—	—	—	—	—	—	—
2	United Kingdom and Northern Ireland ..	21,589	—	37,499	—	2,423	—	—	—	—
3	British West Indies and Bermuda	—	—	—	—	—	—	—	—	—
4	Denmark	—	—	12,741	1,409	5,760	—	1,091	1,198	—
5	Finland	—	—	1,562	—	527	8	2,391	—	—
6	France	—	—	—	—	2,598	—	—	6,417	—
7	Germany	1,417	—	43,610	—	27,316	356	—	15,330	57,009
8	Italy	—	—	—	—	—	—	—	—	—
9	Netherlands	—	—	8,463	—	10,010	—	—	4,816	11,346
10	Norway	913	—	42,221	7,640	13,960	6,322	5,100	1,677	7,722
11	Sweden	—	—	2,005	—	805	4,574	3,506	222	3,325
12	Panama	—	—	—	—	—	—	—	155	—
13	African Countries	—	—	—	—	1,406	—	—	—	—
14	Total	72,436	14,354	148,101	9,049	64,805	11,260	12,088	29,815	80,460

TABLE 6A. Number of Vessels Up-bound through St. Lawrence Canals from Outside Points, by Country of Registry

Ports or countries of origin of vessel											Total number of vessels		No.
Germany	Italy	Nether-lands	Norway	Portugal	Sweden	Other European Countries	Central American and Caribbean Countries	South American Countries	African Countries	1958	1957		
--	--	--	--	--	--	--	--	--	--	150	161	1	
--	--	--	--	--	--	--	--	--	--	15	10	2	
--	1	--	--	1	--	2	--	--	--	72	79	3	
--	--	--	--	--	1	--	--	--	--	2	--	4	
--	--	4	--	--	--	--	2	--	--	24	--	5	
--	--	--	--	--	1	--	--	--	--	7	10	6	
1	4	1	--	--	--	--	--	--	--	15	13	7	
72	14	8	4	8	1	7	10	3	3	231	155	8	
--	1	--	--	2	--	--	--	--	--	3	3	9	
6	2	12	--	--	--	5	1	--	--	52	49	10	
4	3	14	10	4	3	--	--	1	--	109	89	11	
10	--	1	--	--	29	--	--	--	--	50	42	12	
--	--	--	--	--	--	--	--	--	--	--	--	13	
--	2	--	--	--	--	--	--	--	--	2	8	14	
--	--	--	--	--	--	--	1	--	--	1	--	15	
--	--	--	--	--	1	--	--	--	--	2	--	16	
93	27	40	14	15	36	14	14	4	3	735	619	17	

TABLE 6B. Number of Vessels Down-bound through St. Lawrence Canals to Outside Points, by Country of Registry

Ports or countries of destination of vessel												Total number of vessels		No.
Greece	Italy	Nether-lands	Norway	Portugal	Sweden	Other European Countries	Panama	Central American and Caribbean Countries	South American Countries	Asian Countries	African Countries	1958	1957	
--	--	--	--	--	--	--	--	--	1	--	--	30	67	1
--	--	--	--	--	--	--	--	--	--	--	--	12	2	2
--	--	--	--	--	--	1	--	--	--	--	1	62	103	3
1	--	--	--	--	--	--	--	--	--	--	--	2	--	4
--	1	3	--	--	1	--	--	--	1	--	--	23	2	5
--	--	--	--	--	3	--	--	--	--	--	--	7	9	6
1	1	--	--	1	--	1	--	--	--	--	1	15	13	7
2	10	17	3	7	1	7	--	3	13	--	8	232	153	8
--	--	--	--	1	--	--	--	--	--	--	2	3	3	9
1	1	17	--	2	--	--	--	--	--	--	--	48	43	10
2	6	10	12	2	2	6	1	1	7	1	2	113	98	11
--	1	5	1	--	9	2	--	--	--	--	--	48	39	12
--	--	--	--	--	--	1	--	--	--	--	--	2	7	13
--	--	--	--	--	--	--	--	--	--	--	--	2	--	14
7	20	52	16	13	16	18	1	4	22	1	15	599	539	15

TABLE 6C. Number of Tons of Cargo Carried Up St. Lawrence Canals from Outside Points, by Country of Registry of Vessel

Ports or countries at which cargo loaded											Total tons of cargo		No.
Greece	Italy	Nether-lands	Norway	Portugal	Sweden	Other European Countries	Central American and Caribbean Countries	South American Countries	Asian Countries	African Countries	1958	1957	
--	--	--	--	--	--	--	--	--	--	--	62,871	88,044	1
--	891	--	--	497	--	1,748	--	--	--	--	64,647	56,410	2
--	--	--	--	--	657	--	--	--	--	--	657	--	3
--	1,240	3,241	--	--	--	--	2,503	--	--	--	29,183	--	4
--	--	253	--	--	--	54	--	--	--	--	5,338	9,049	5
--	2,923	8	--	--	--	--	--	--	--	--	13,004	11,834	6
53	18,552	11,654	5,690	3,060	1,190	7,673	12,886	1,307	100	585	207,788	112,224	7
--	2,357	--	--	531	--	398	--	--	--	--	3,286	3,692	8
--	1,275	11,764	--	--	--	2,433	979	--	--	--	51,086	44,472	9
--	3,467	9,297	14,395	2,782	2,055	1,334	--	1,470	--	76	120,431	107,069	10
--	--	401	--	--	--	1,424	--	--	--	--	39,591	35,642	11
--	1,794	--	--	63	--	--	--	--	--	--	2,012	11,148	12
--	--	--	--	--	1,254	--	--	--	--	--	2,660	--	13
53	32,499	38,618	20,085	6,933	29,028	15,064	16,368	2,777	100	661	662,554	479,584	14

TABLE 6D. Number of Tons of Cargo Carried Down St. Lawrence Canals to Outside Points, by Country of Registry of Vessel

Country of registry of vessel	Ports or countries at which cargo unloaded							
	Canadian Atlantic Coast ports	United States Atlantic Coast and Gulf of Mexico ports	United Kingdom and Northern Ireland	British West Indies and Bermuda	Belgium	Denmark	Finland	
Canada	12,408	—	—	130	—	—	—	
United Kingdom and Northern Ireland	20,925	650	35,055	—	1,182	—	—	
British West Indies and Bermuda	—	—	—	—	—	—	—	
Denmark	—	—	16,366	1,046	1,240	—	—	
Finland	—	—	707	—	—	1,260	1,908	
France	—	—	—	—	253	—	—	
Germany	—	—	61,823	3,714	22,472	80	—	
Italy	—	—	—	—	—	—	—	
Netherlands	—	—	11,775	—	665	—	—	
Norway	—	—	48,971	2,189	2,980	6,538	—	
Sweden	—	—	13,940	—	3,618	32	—	
Panama	—	—	—	—	—	—	—	
African Countries	—	—	1,269	1,015	—	—	—	
Total	33,333	650	189,906	8,094	32,410	7,910	1,908	
	France	Germany	Greece	Italy	Netherlands	Norway	Portugal	Sweden
Canada	—	—	—	—	—	—	—	—
United Kingdom and Northern Ireland	—	—	—	—	—	—	—	—
British West Indies and Bermuda	—	—	657	—	—	—	—	—
Denmark	1,456	1,391	—	666	5,089	—	—	—
Finland	—	—	—	—	—	—	—	1,788
France	8,418	—	1,230	1,473	419	—	560	—
Germany	19,989	35,531	1,270	11,029	16,442	4,720	7,233	1,000
Italy	—	—	—	—	—	—	1,300	—
Netherlands	15,318	1,041	700	1,170	14,624	—	1,210	—
Norway	10,328	1,809	872	9,355	11,649	14,260	2,778	1,122
Sweden	14,984	48	—	1,016	5,458	1,921	—	6,315
Panama	—	—	—	—	—	—	—	—
African Countries	—	—	—	—	—	—	—	—
Total	70,493	39,820	4,729	24,709	53,681	20,901	13,081	10,225
	Other European Countries	Panama	Central American and Caribbean Countries	South American Countries	Asian Countries	African Countries	Total tons of cargo	
							1958	1957
Canada	—	—	—	1,200	—	—	13,738	35,551
United Kingdom and Northern Ireland	1,109	—	—	—	—	1,081	60,002	81,062
British West Indies and Bermuda	—	—	—	—	—	—	657	—
Denmark	—	—	—	630	—	—	27,884	2,076
Finland	40	—	—	—	—	—	5,703	10,833
France	1,350	—	—	—	—	1,350	15,053	13,144
Germany	8,249	—	2,426	13,499	—	5,148	214,625	152,007
Italy	—	—	—	—	—	1,927	3,227	3,462
Netherlands	—	—	—	—	—	—	46,503	43,478
Norway	8,932	629	676	4,406	1,297	2,445	131,236	118,472
Sweden	2,271	—	—	—	—	—	49,603	46,360
Panama	985	—	—	—	—	1,107	2,092	8,752
African Countries	—	—	—	—	—	—	2,284	—
Total	22,936	629	3,102	19,735	1,297	13,058	572,607	515,197

TABLE 7. Number of Bushels of Grain Down-bound through Welland Ship Canal between Canadian and United States Ports

	Wheat	Barley	Oats	Rye	Corn	Flaxseed	Total
	bushels						
Canadian grain:							
From United States ports to Canadian ports:							
In Canadian vessels	171,767	—	—	—	—	—	171,767
From Canadian ports to United States ports:							
In Canadian vessels	—	—	—	—	—	—	—
From Canadian ports to Canadian ports:							
In Canadian vessels	110,674,966	51,237,791	20,739,235	1,550,178	1,621,250	9,225,964	195,049,384
In United States vessels	—	—	—	—	—	96,892	96,892
United States grain:							
From United States ports to Canadian ports:							
In Canadian vessels	101,800	—	—	238,500	10,306,928	855,750	11,502,978
In United States vessels	—	—	—	—	—	—	—
From United States ports to United States ports:							
In Canadian vessels	—	—	—	—	—	—	—
In United States vessels	8,550,566	3,194,000	—	1,601,607	557,928	—	13,904,101
From Canadian ports to Canadian ports:							
In Canadian vessels	444,433	—	—	—	1,543,071	2,317,928	4,305,432
Total grain	119,943,532	54,431,791	20,739,235	3,390,285	14,029,177	12,496,534	225,030,554
Total Canadian grain in United States vessels	—	—	—	—	—	96,892	96,892
Total United States grain in Canadian vessels	546,233	—	—	238,500	11,849,999	3,173,678	15,808,410

TABLE 8. Freight Carried through St. Lawrence Canals by Country of Origin of Cargo and by Country of Registry of Vessel

Country of registry of vessel	Cargo of Canadian origin			Cargo of United States origin				
	Up	Down	Total	Up	Down	Total		
	cargo tons							
Canada	3,933,832	5,255,302	9,189,134	59,731	1,240,304	1,300,035		
United States	100	—	100	825	29,181	30,006		
United Kingdom and Northern Ireland	36,668	45,355	82,023	—	18,454	18,454		
Other	17,140	170,788	187,928	—	332,469	332,469		
Total	3,987,740	5,471,445	9,459,185	60,556	1,620,408	1,680,964		
	Cargo of United Kingdom and Northern Ireland origin			Cargo of British West Indies and Bermuda origin	Cargo of Other British Commonwealth origin	Cargo of Belgian origin	Cargo of Danish origin	Cargo of Finnish origin
	Up	Down	Total					
	cargo tons							
Canada	5,425	—	5,425	2,464	—	—	—	—
United States	—	—	—	—	—	—	—	—
United Kingdom and Northern Ireland	36,027	—	36,027	—	—	2,423	—	—
Other	111,842	—	111,842	10,549	—	62,382	10,826	12,088
Total	153,294	—	153,294	13,013	—	64,805	10,826	12,088
	Cargo of French origin	Cargo of German origin	Cargo of Greek origin	Cargo of Italian origin	Cargo of Netherlands origin	Cargo of Norwegian origin	Cargo of Portuguese origin	Cargo of Swedish origin
	cargo tons							
Canada	—	—	—	5,090	—	—	—	—
United States	—	—	—	—	—	—	—	—
United Kingdom and Northern Ireland	—	—	—	891	—	—	—	497
Other	29,815	80,460	53	30,368	36,618	20,519	5,618	29,028
Total	29,815	80,460	53	36,349	36,618	20,519	6,115	29,028
	Cargo of Other European origin	Cargo of Central American and Caribbean origin	Cargo of South American origin	Cargo of Asian origin	Cargo of African origin	Total cargo		Grand total
						Up	Down	
	cargo tons							
Canada	11,016	30,744	6,757	—	44,663	4,099,722	6,495,606	10,595,328
United States	—	—	—	—	—	925	29,181	30,106
United Kingdom and Northern Ireland	1,748	—	—	—	—	78,254	63,809	142,063
Other	14,134	16,368	2,777	100	661	491,346	503,257	994,603
Total	26,898	47,112	9,534	100	45,324	4,670,247	7,091,853	11,762,100

TABLE 9. Freight Carried through Welland Ship Canal by Country of Origin of Cargo and by Country of Registry of Vessel

No.	Country of registry of vessel	Cargo of Canadian origin			Cargo of United States origin			Cargo of United Kingdom and Northern Ireland origin			Cargo of British West Indies and Bermuda origin	Cargo of other British Commonwealth origin	Cargo of Belgian origin	Cargo of Danish origin
		Up	Down	Total	Up	Down	Total	Up	Down	Total				
cargo tons														
1	Canada.....	4,057,711	6,196,151	10,253,862	29,256	7,470,810	7,500,066	1,300	—	1,300	—	2,545	—	—
2	United States.....	67,270	5,080	72,350	364,621	2,119,113	2,483,734	—	—	—	—	—	—	—
3	United Kingdom and Northern Ireland.....	23,758	24,119	47,877	964	19,358	20,322	8,423	—	8,423	—	—	—	—
4	Other.....	20,545	96,072	116,617	87	336,529	336,616	60,042	—	60,042	10,549	—	49,904	10,274
5	Total.....	4,169,284	6,321,422	10,490,706	394,928	9,945,810	10,340,738	69,765	—	69,765	10,549	2,545	49,904¹	10,274

¹ Includes 1,375 tons down bound.

TABLE 10. Freight Carried through Sault Ste. Marie Canal by Country of Origin of Cargo and by Country of Registry of Vessel

No.	Country of registry of vessel	Cargo of Canadian origin			Cargo of United States origin		
		Up	Down	Total	Up	Down	Total
cargo tons							
1	Canada.....	249,890	804,249	1,054,139	77,160	16,969	94,129
2	United States.....	290	—	290	12,247	6,682	18,929
3	United Kingdom and Northern Ireland.....	—	4,695	4,695	—	—	—
4	Other.....	—	32,960	32,960	48	15,937	15,985
5	Total.....	250,180	841,904	1,092,084	89,455	39,588	129,043

TABLE 11A. Number and Registered Net Tonnage of Vessels Using Sault Ste. Marie Canal by Origin and Destination of Vessel, Country of Registry and Rig

No.		Canada to Canada		Canada to United States		Canada to United Kingdom		Canada to Other Countries		United States to United States		United States to Canada		United States to United Kingdom	
		Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels															
1	Canadian vessels:														
1	Steam.....	442	264	5	48	—	—	—	—	3	—	119	3	—	—
2	Motor.....	436	469	2	52	—	—	—	—	1	—	86	4	—	—
3	Unrigged.....	191	192	—	—	—	—	—	—	—	1	10	—	—	—
4	Other.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	United States vessels:														
5	Steam.....	—	—	—	15	—	—	—	—	18	63	11	—	—	—
6	Motor.....	1	—	2	1	—	—	—	—	60	827	1	1	—	—
7	Unrigged.....	—	—	—	1	—	—	—	—	12	10	—	—	—	—
8	Other.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	United Kingdom vessels:														
9	Steam.....	1	—	—	—	—	—	—	—	—	—	—	—	—	—
10	Motor.....	2	3	—	—	—	1	—	—	—	—	3	—	—	—
11	Unrigged.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	Other.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	Other foreign vessels:														
13	Steam.....	—	—	—	2	—	1	—	1	—	—	2	—	—	—
14	Motor.....	3	1	1	8	—	13	—	2	8	2	15	1	—	7
15	Unrigged.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	Other.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	Total.....	1,076	929	10	125	—	15	—	3	102	903	247	9	—	7
Registered net tonnage															
18	Canadian vessels:														
18	Steam.....	910,015	385,254	12,375	112,766	—	—	—	—	4,254	—	299,188	3,664	—	—
19	Motor.....	63,906	136,896	6,574	88,225	—	—	—	—	1,746	—	148,409	6,046	—	—
20	Unrigged.....	95,627	87,037	—	—	—	—	—	—	—	30	30,316	—	—	—
21	Other.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	United States vessels:														
22	Steam.....	—	—	—	31,937	—	—	—	—	64,312	170,575	23,811	—	—	—
23	Motor.....	5	—	194	748	—	—	—	—	11,906	70,897	748	66	—	—
24	Unrigged.....	—	—	—	651	—	—	—	—	8,338	6,815	—	—	—	—
25	Other.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	United Kingdom vessels:														
26	Steam.....	759	—	—	—	—	—	—	—	—	—	—	—	—	—
27	Motor.....	1,397	1,600	—	—	—	507	—	—	—	—	1,600	—	—	—
28	Unrigged.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	Other.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	Other foreign vessels:														
30	Steam.....	—	—	—	1,835	—	713	—	708	—	—	1,421	—	—	—
31	Motor.....	1,679	577	560	5,534	—	9,328	—	2,459	6,024	1,029	12,157	551	—	5,473
32	Unrigged.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	Other.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	Total.....	1,073,388	611,364	19,703	241,696	—	10,548	—	3,167	96,582	249,346	517,650	10,327	—	5,473

TABLE 9. Freight Carried through Welland Ship Canal by Country of Origin of Cargo and by Country of Registry of Vessel

Cargo of Finnish origin	Cargo of French origin	Cargo of German origin	Cargo of Italian origin	Cargo of Netherlands origin	Cargo of Norwegian origin	Cargo of Portuguese origin	Cargo of Swedish origin	Cargo of other European origin	Cargo of Central American and Caribbean origin	Cargo of South American origin	Cargo of Asian origin	Cargo of African origin	Total cargo		Grand total	No.
													Up	Down		
cargo tons																
—	—	272	11,830	—	—	—	—	11,016	26,781	6,757	—	32,040	4,179,508	13,666,961	17,846,469	1
—	—	—	—	—	—	—	—	—	1,885	—	—	—	433,776	2,124,193	2,557,969	2
—	—	—	682	—	—	235	—	908	—	—	—	—	34,970	43,477	78,447	3
10,574	25,802	51,656	15,888	30,403	19,232	4,225	21,598	9,868	14,727	2,687	100	527	357,333	433,976	791,309	4
10,574	25,802	51,929	28,400	30,403	19,232	4,460	21,598	21,812	43,393	9,444	100	32,567	5,005,587	16,268,607	21,274,194	5

TABLE 10. Freight Carried through Sault Ste. Marie Canal by Country of Origin of Cargo and by Country of Registry of Vessel

Cargo of Danish origin	Cargo of Finnish origin	Cargo of French origin	Cargo of German origin	Cargo of Netherlands origin	Cargo of Swedish origin	Total cargo		Grand total	No.
						Up	Down		
cargo tons									
—	—	—	—	—	—	327,050	821,218	1,148,268	1
—	—	—	—	—	—	12,537	6,662	19,219	2
—	—	—	—	—	—	—	4,695	4,695	3
3	1,455	700	1,383	2,038	1,955	7,582	48,897	56,479	4
3	1,455	700	1,383	2,038	1,955	347,169	881,492	1,228,661	5

TABLE 11A. Number and Registered Net Tonnage of Vessels Using Sault Ste. Marie Canal by Origin and Destination of Vessel, Country of Registry and Rig

United States to Other Countries		United Kingdom to Canada		United Kingdom to United States		Other Countries to Canada		Other Countries to United States		Total		Grand total		Compared with 1957		No.
Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease	
Number of vessels																
—	—	—	—	—	—	—	—	—	—	569	315	884	1,252	—	368	1
—	—	—	—	—	—	—	—	—	—	525	525	1,050	1,153	—	103	2
—	—	—	—	—	—	—	—	—	—	201	193	394	368	8	—	3
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4
—	—	—	—	—	—	—	—	—	—	29	78	107	178	—	71	5
—	—	—	—	—	—	—	—	—	—	64	829	893	669	224	—	6
—	—	—	—	—	—	—	—	—	—	12	11	23	11	12	—	7
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	—	—	—	—	1	—	1	—	1	—	9
—	—	—	—	—	—	—	—	—	—	5	4	9	—	9	—	10
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12
—	1	—	—	—	—	2	—	2	—	6	5	11	8	3	—	13
—	3	—	—	—	—	6	—	2	—	35	35	70	—	70	—	14
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16
—	4	—	—	—	—	8	—	4	—	1,447	1,995	3,442	3,659	—	217	17
Registered net tonnage																
—	—	—	—	—	—	—	—	—	—	1,225,832	501,664	1,727,516	2,296,606	—	569,090	18
—	—	—	—	—	—	—	—	—	—	220,637	231,167	451,804	486,902	—	35,098	19
—	—	—	—	—	—	—	—	—	—	125,943	87,067	213,010	258,121	—	45,111	20
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21
—	—	—	—	—	—	—	—	—	—	88,123	202,512	290,635	564,194	—	273,559	22
—	—	—	—	—	—	—	—	—	—	12,853	71,711	84,564	80,692	3,872	—	23
—	—	—	—	—	—	—	—	—	—	8,338	7,466	15,804	6,509	7,295	—	24
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25
—	—	—	—	—	—	—	—	—	—	759	—	759	—	759	—	26
—	—	—	—	—	—	—	—	—	—	2,997	2,107	5,104	—	5,104	—	27
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	29
—	670	—	—	—	—	1,835	—	1,377	—	4,633	3,926	8,559	5,868	2,691	—	30
—	2,124	—	—	—	—	5,882	—	1,028	—	27,330	27,075	54,405	—	54,405	—	31
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33
—	2,794	—	—	—	—	7,717	—	2,405	—	1,717,445	1,134,715	2,852,160	3,700,892	—	848,732	34

TABLE 11B. Number and Registered Net Tonnage of Vessels Using Welland Ship Canal by Origin and Destination of Vessel, Country of Registry and Rig

No.		Canada to Canada		Canada to United States		Canada to United Kingdom		Canada to other Countries		United States to United States		United States to Canada		United States to United Kingdom	
		Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels															
Canadian vessels:															
1	Steam	1,091	1,380	1,243	7	-	-	-	-	1	10	3	959	-	-
2	Motor	333	404	297	13	-	-	-	2	1	6	7	134	-	-
3	Unrigged	27	52	-	-	-	-	-	-	-	-	-	-	-	-
4	Other	2	1	-	-	-	-	-	-	-	-	-	-	-	-
United States vessels:															
5	Steam	7	1	143	-	-	-	-	-	60	74	4	150	-	-
6	Motor	5	2	86	6	-	-	-	-	293	298	3	52	-	-
7	Unrigged	6	-	48	3	-	-	-	-	194	171	1	26	-	-
8	Other	-	-	1	4	-	-	-	-	1	23	-	4	-	-
United Kingdom vessels:															
9	Steam	3	-	-	-	-	-	-	-	-	-	-	-	-	2
10	Motor	8	5	18	-	-	8	-	-	-	1	-	16	-	19
11	Unrigged	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other foreign vessels:															
13	Steam	2	-	3	-	-	3	-	1	-	-	-	1	-	2
14	Motor	11	3	20	-	-	34	-	23	1	-	-	14	-	97
15	Unrigged	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Total	1,495	1,858	1,859	33	-	45	-	26	551	583	18	1,356	-	120
Registered net tonnage															
Canadian vessels:															
18	Steam	2,736,281	3,017,741	4,048,229	8,478	-	-	-	-	4,205	12,915	4,081	3,765,991	-	-
19	Motor	462,304	538,199	473,343	17,341	-	-	-	911	1,718	8,708	8,948	194,971	-	-
20	Unrigged	8,844	19,796	-	-	-	-	-	-	-	-	-	-	-	-
21	Other	301	150	-	-	-	-	-	-	-	-	-	-	-	-
United States vessels:															
22	Steam	22,875	1,158	572,984	-	-	-	-	-	220,534	252,655	13,846	613,877	-	-
23	Motor	222	80	31,197	557	-	-	-	-	115,039	105,175	927	17,935	-	-
24	Unrigged	4,017	-	45,071	2,154	-	-	-	-	223,837	197,176	1,360	22,438	-	-
25	Other	-	-	1,913	4,393	-	-	-	-	1,278	30,384	-	3,734	-	-
United Kingdom vessels:															
26	Steam	2,076	-	-	-	-	-	-	-	-	-	-	-	-	1,353
27	Motor	4,173	3,217	13,164	-	-	4,701	-	-	-	503	-	10,974	-	12,303
28	Unrigged	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other foreign vessels:															
30	Steam	1,563	-	2,098	-	-	2,212	-	704	-	-	-	707	-	2,234
31	Motor	6,422	3,319	18,700	-	-	22,227	-	18,983	564	-	-	10,172	-	69,631
32	Unrigged	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Total	3,249,078	3,583,660	5,206,699	32,923	-	29,140	-	20,598	567,175	607,516	29,162	4,640,599	-	85,521

TABLE 11B. Number and Registered Net Tonnage of Vessels Using Welland Ship Canal by Origin and Destination of Vessel, Country of Registry and Rig

United States to Other Countries		United Kingdom to Canada		United Kingdom to United States		Other Countries to Canada		Other Countries to United States		Total		Grand total		Compared with 1957		No.
Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease	
Number of vessels																
-	-	-	-	-	-	-	-	-	-	2,338	2,366	4,704	5,167	-	463	1
-	-	-	-	1	-	-	-	1	-	640	559	1,199	1,130	69	-	2
-	-	-	-	-	-	-	-	-	-	27	52	79	87	-	8	3
-	-	-	-	-	-	-	-	-	-	2	1	3	2	1	-	4
-	-	-	-	-	-	-	-	-	-	214	225	439	588	-	149	5
-	1	-	-	-	-	-	-	-	-	387	359	746	825	-	79	6
-	-	-	-	-	-	-	-	-	-	249	200	449	516	-	67	7
-	-	-	-	-	-	-	-	-	-	2	31	33	15	18	-	8
-	-	-	-	7	-	-	-	-	-	10	2	12	15	-	3	9
-	2	1	-	17	-	-	-	3	-	47	51	98	71	27	-	10
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
-	14	-	-	14	-	1	-	21	-	41	21	62	91	-	29	13
-	293	4	-	105	-	21	-	286	-	448	464	912	647	265	-	14
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
-	310	5	-	144	-	22	-	311	-	4,405	4,331	8,736	9,154	-	418	17
Registered net tonnage																
-	-	-	-	-	-	-	-	-	-	6,792,796	6,805,125	13,597,921	14,116,524	-	518,603	18
-	-	-	-	601	-	-	-	1,090	-	948,004	760,130	1,708,134	1,591,840	116,294	-	19
-	-	-	-	-	-	-	-	-	-	8,844	19,796	28,640	29,922	-	1,282	20
-	-	-	-	-	-	-	-	-	-	301	150	451	301	150	-	21
-	-	-	-	-	-	-	-	-	-	830,239	867,490	1,697,729	2,188,601	-	490,872	22
-	26	-	-	-	-	-	-	-	-	147,385	123,773	271,158	276,543	-	5,365	23
-	-	-	-	-	-	-	-	-	-	274,285	221,768	496,053	576,286	-	80,233	24
-	-	-	-	-	-	-	-	-	-	3,191	38,511	41,702	12,324	29,378	-	25
-	-	-	-	4,821	-	-	-	-	-	6,897	1,353	8,250	10,116	-	1,866	26
-	996	767	-	10,130	-	-	-	1,643	-	29,877	32,694	62,571	47,285	15,286	-	27
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
-	12,808	-	-	10,212	-	698	-	16,643	-	31,214	18,665	49,879	74,182	-	24,303	30
-	260,895	1,660	-	75,193	-	18,169	-	259,292	-	380,020	385,227	765,247	547,794	217,453	-	31
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
-	274,725	2,447	-	100,957	-	18,867	-	278,668	-	9,453,053	9,274,682	18,727,735	19,471,718	-	743,983	34

TABLE 11C. Number and Registered Net Tonnage of Vessels Using St. Lawrence Canals by Origin and Destination of Vessel, Country of Registry and Rig

No.	Canada to Canada		Canada to United States		Canada to United Kingdom		Canada to Other Countries		United States to United States		United States to Canada		United States to United Kingdom	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels														
Canadian vessels:														
1	1,602	1,876	650	1	—	—	—	—	4	—	7	362	—	—
2	1,835	2,097	264	12	—	—	—	3	5	1	111	132	—	—
3	370	349	1	2	—	—	—	—	—	—	2	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
United States vessels:														
5	—	—	1	—	—	—	—	—	1	—	—	1	—	—
6	10	6	30	13	—	—	—	—	79	83	22	36	—	—
7	2	3	7	—	—	—	—	—	37	30	3	2	—	—
8	—	—	—	—	—	—	—	—	1	—	—	2	—	—
United Kingdom vessels:														
9	1	1	—	—	—	—	—	—	—	—	—	—	—	2
10	24	32	21	1	—	9	—	1	—	1	—	10	—	20
11	—	2	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other foreign vessels:														
13	—	—	1	—	—	3	—	1	—	—	—	—	—	2
14	10	7	11	1	—	50	—	32	1	—	2	5	—	94
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	3,854	4,373	986	30	—	62	—	37	128	115	147	550	—	118
Registered net tonnage														
Canadian vessels:														
18	1,879,232	2,226,586	777,792	84	—	—	—	—	5,295	—	5,236	444,555	—	—
19	810,813	1,028,181	370,179	241	—	—	—	1,473	7,304	27	20,208	176,623	—	—
20	153,094	143,066	50	4,779	—	—	—	—	—	—	841	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
United States vessels:														
22	—	—	320	—	—	—	—	—	1,262	—	—	12	—	—
23	1,036	725	5,482	3,027	—	—	—	—	14,559	14,678	805	6,447	—	—
24	128	300	4,269	—	—	—	—	—	28,153	26,090	1,900	1,974	—	—
25	—	—	—	—	—	—	—	—	27	—	—	301	—	—
United Kingdom vessels:														
26	1,168	267	—	—	—	—	—	—	—	—	—	—	—	1,353
27	14,394	19,895	14,027	69	—	5,772	—	767	—	502	—	7,770	—	12,950
28	—	798	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other foreign vessels:														
30	—	—	698	—	—	2,404	—	704	—	—	—	—	—	2,137
31	7,983	5,557	10,290	69	—	31,417	—	26,238	564	—	301	2,166	—	68,397
32	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	2,867,848	3,425,375	1,183,107	8,269	—	39,593	—	29,182	57,164	41,297	29,291	639,848	—	84,837

TABLE 11C. Number and Registered Net Tonnage of Vessels Using St. Lawrence Canals by Origin and Destination of Vessel, Country of Registry and Rig

United States to Other Countries		United Kingdom to Canada		United Kingdom to United States		Other Countries to Canada		Other Countries to United States		Total		Grand total		Compared with 1957		No.
Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease	
Number of vessels																
-	-	-	-	-	-	-	-	-	-	2,263	2,239	4,502	4,701	-	199	1
-	-	-	-	-	-	-	-	-	-	2,215	2,245	4,460	4,413	47	-	2
-	-	-	-	-	-	-	-	-	-	373	351	724	1,098	-	374	3
-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	4
-	-	-	-	-	-	-	-	-	-	2	1	3	10	-	7	5
-	-	-	-	-	-	-	-	-	-	141	138	279	234	45	-	8
-	-	-	-	-	-	-	-	-	-	49	35	84	106	-	22	7
-	-	-	-	-	-	-	-	-	-	1	2	3	-	3	-	8
-	-	6	-	-	-	-	-	-	-	7	3	10	26	-	16	9
-	2	13	-	16	-	2	-	4	-	80	76	156	194	-	38	10
-	-	-	-	-	-	-	-	-	-	-	2	2	1	1	-	11
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
-	15	1	-	12	-	2	-	21	-	37	21	58	87	-	29	13
-	296	23	-	106	-	37	-	289	-	479	485	964	671	293	-	14
-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	15
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
-	313	43	-	134	-	41	-	314	-	5,647	5,598	11,245	11,546	-	301	17
Registered net tonnage																
-	-	-	-	-	-	-	-	-	-	2,667,555	2,671,225	5,338,780	5,446,478	-	107,698	18
-	-	-	-	-	-	-	-	-	-	1,208,504	1,206,545	2,415,049	2,082,804	332,245	-	19
-	-	-	-	-	-	-	-	-	-	153,985	147,845	301,830	486,033	-	184,203	20
-	-	-	-	-	-	-	-	-	-	-	-	-	1,899	-	1,899	21
-	-	-	-	-	-	-	-	-	-	1,582	12	1,594	875	719	-	22
-	-	-	-	-	-	-	-	-	-	21,882	24,877	46,759	30,274	16,485	-	23
-	-	-	-	-	-	-	-	-	-	34,450	28,364	62,814	58,377	4,437	-	24
-	-	-	-	-	-	-	-	-	-	27	301	328	-	328	-	25
-	-	4,114	-	-	-	-	-	-	-	5,282	1,620	6,902	20,515	-	13,613	26
-	996	9,092	-	9,779	-	940	-	1,994	-	50,226	46,721	96,947	125,556	-	26,609	27
-	-	-	-	-	-	-	-	-	-	-	798	798	300	498	-	28
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
-	13,562	791	-	8,729	-	1,554	-	16,613	-	28,385	18,807	47,192	70,342	-	23,150	30
-	264,031	10,932	-	76,414	-	30,919	-	261,639	-	399,042	397,875	796,917	566,703	230,214	-	31
-	-	-	-	-	-	-	-	-	-	-	-	-	793	-	793	32
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
-	278,589	24,929	-	94,922	-	33,413	-	280,246	-	4,570,920	4,546,990	9,117,910	8,890,949	226,961	-	34

TABLE 11D. Number and Registered Net Tonnage of Vessels Using Smaller Canals by Origin and Destination of Vessel, Country of Registry and Rig

	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand Total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
Number of vessels														
Ottawa river canals:														
Canadian vessels:														
Motor	246	242	-	-	-	-	-	-	246	242	488	803	-	315
Unrigged	220	220	-	-	-	-	-	-	220	220	440	807	-	367
Total	466	462	-	-	-	-	-	-	466	462	928	1,610	-	682
Registered net tonnage														
Canadian vessels:														
Motor	6,509	6,406	-	-	-	-	-	-	6,509	6,406	12,915	21,451	-	8,536
Unrigged	109,682	109,465	-	-	-	-	-	-	109,682	109,465	219,147	397,291	-	178,144
Total	116,191	115,871	-	-	-	-	-	-	116,191	115,871	232,062	418,742	-	186,680
Number of vessels														
Richelieu river canal:														
Canadian vessels:														
Steam	1	1	-	-	-	-	-	1	1	2	3	22	-	19
Motor	85	81	139	3	-	-	-	142	224	226	450	472	-	22
Unrigged	100	100	-	-	-	-	-	-	100	100	200	236	-	36
Other	-	-	-	-	-	-	-	-	-	-	-	1	-	1
United States vessels, motor	-	-	16	-	1	-	-	15	17	15	32	30	2	-
Other foreign vessels, motor	-	-	1	-	-	-	-	2	1	2	3	-	3	-
Total	186	182	156	3	1	-	-	160	343	345	688	761	-	73
Registered net tonnage														
Canadian vessels:														
Steam	35	35	-	-	-	-	-	193	35	228	263	586	-	323
Motor	4,905	4,225	24,906	598	-	-	-	24,784	29,811	29,607	59,418	64,857	-	5,439
Unrigged	24,065	24,151	-	-	-	-	-	-	24,085	24,151	48,236	56,990	-	8,754
Other	-	-	-	-	-	-	-	-	-	-	-	239	-	239
United States vessels, motor	-	-	386	-	4	-	-	476	390	476	666	568	298	-
Other foreign vessels, motor	-	-	69	-	-	-	-	101	69	101	170	-	170	-
Total	29,025	28,411	25,361	598	4	-	-	25,554	54,390	54,563	108,953	123,240	-	14,287
Number of vessels														
Rideau canal:														
Canadian vessels:														
Steam	3	6	-	-	-	-	-	-	3	6	9	53	-	44
Motor	22	16	-	-	-	-	-	-	22	16	38	47	-	9
Unrigged	4	9	-	-	-	-	-	-	4	9	13	178	-	165
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United States vessels:														
Steam	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Motor	3	14	-	-	-	-	-	-	3	14	17	15	2	-
Total	32	45	-	-	-	-	-	-	32	45	77	294	-	217
Registered net tonnage														
Canadian vessels:														
Steam	93	177	-	-	-	-	-	-	93	177	270	1,602	-	1,332
Motor	467	383	-	-	-	-	-	-	467	383	850	1,034	-	184
Unrigged	283	722	-	-	-	-	-	-	283	722	1,005	8,268	-	7,263
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United States vessels:														
Steam	-	-	-	-	-	-	-	-	-	-	-	7	-	7
Motor	39	233	-	-	-	-	-	-	39	233	272	306	-	34
Total	882	1,515	-	-	-	-	-	-	882	1,515	2,397	11,217	-	8,820

TABLE 11 D. Number and Registered Net Tonnage of Vessels Using Smaller Canals by Origin and Destination of Vessel, Country of Registry and Rig - Continued

	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
Number of vessels														
Trent canal:														
Canadian vessels:														
Motor	41	42	-	-	-	-	-	-	41	42	83	85	18	-
Unrigged	1	-	-	-	-	-	-	-	1	-	1	-	1	-
United States vessels, motor	1	1	-	-	-	-	-	2	1	3	4	7	-	3
Total	43	43	-	-	-	-	-	2	43	45	88	72	16	-
Registered net tonnage														
Canadian vessels:														
Motor	611	4,121	-	-	-	-	-	-	611	4,121	4,732	2,181	2,571	-
Unrigged	8	-	-	-	-	-	-	-	8	-	6	-	6	-
United States vessels, motor	12	17	-	-	-	-	-	21	12	38	50	87	-	37
Total	631	4,138	-	-	-	-	-	21	631	4,159	4,790	2,248	2,542	-
Number of vessels														
Murray canal:														
Canadian vessels:														
Steam	-	-	52	-	-	-	-	-	52	-	52	62	-	10
Motor	47	44	1	-	-	-	-	1	48	45	93	59	34	-
Unrigged	10	18	1	-	-	-	-	-	11	18	29	9	20	-
Other	17	15	-	-	-	-	-	-	17	15	32	23	9	-
United States vessels:														
Motor	7	7	5	-	3	2	1	4	16	13	29	47	-	18
Unrigged	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Other	2	4	3	-	3	1	-	4	8	9	17	31	-	14
Total	83	88	62	-	6	3	1	9	152	100	252	232	20	-
Registered net tonnage														
Canadian vessels:														
Steam	-	-	29,692	-	-	-	-	-	29,692	-	29,692	34,703	-	5,011
Motor	1,329	914	20	-	-	-	-	10	1,349	924	2,273	1,423	850	-
Unrigged	1,733	3,776	537	-	-	-	-	-	2,270	3,776	6,046	2,383	3,663	-
Other	262	262	-	-	-	-	-	-	262	262	524	304	220	-
United States vessels:														
Motor	166	153	88	-	33	31	34	49	321	233	554	886	-	332
Unrigged	-	-	-	-	-	-	-	-	-	-	-	457	-	457
Other	33	53	43	-	39	7	-	72	115	132	247	847	-	600
Total	3,523	5,158	30,380	-	72	38	34	131	34,009	5,327	39,336	41,003	-	1,667
Number of vessels														
St. Andrew's canal:														
Canadian vessels:														
Steam	-	-	-	-	-	-	-	-	-	-	-	7	-	7
Motor	178	178	-	-	-	-	-	-	178	178	356	351	5	-
Unrigged	-	-	-	-	-	-	-	-	-	-	-	4	-	4
Total	178	178	-	-	-	-	-	-	178	178	356	262	-	6
Registered net tonnage														
Canadian vessels:														
Steam	-	-	-	-	-	-	-	-	-	-	-	690	-	690
Motor	12,486	12,413	-	-	-	-	-	-	12,486	12,413	24,899	28,062	-	1,163
Unrigged	-	-	-	-	-	-	-	-	-	-	-	1,300	-	1,300
Total	12,486	12,413	-	-	-	-	-	-	12,486	12,413	24,899	28,052	-	3,153

TABLE 11 D. Number and Registered Net Tonnage of Vessels Using Smaller Canals by Origin and Destination of Vessel, Country of Registry and Rig - Concluded

	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
Number of vessels														
St. Peter's canal:														
Canadian vessels:														
Steam	5	7	-	-	-	-	-	-	5	7	12	11	1	-
Motor	182	174	-	1	-	-	-	-	182	175	357	429	-	72
Unrigged	5	6	-	-	-	-	-	-	5	6	11	14	-	3
Other	-	-	-	-	-	-	-	-	-	-	-	1	-	1
United States vessels, motor	2	5	-	5	-	1	4	-	6	11	17	18	-	1
Other	-	-	-	-	-	-	-	-	-	-	-	1	-	1
United Kingdom vessels, motor	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Total	194	192	-	6	-	1	4	-	198	199	397	475	-	78
Registered net tonnage														
Canadian vessels:														
Steam	630	978	-	-	-	-	-	-	630	978	1,608	3,447	-	1,839
Motor	3,445	3,064	-	29	-	-	-	-	3,445	3,093	6,538	9,851	-	3,313
Unrigged	794	652	-	-	-	-	-	-	794	852	1,646	1,721	-	75
Other	-	-	-	-	-	-	-	-	-	-	-	4	-	4
United States vessels, motor	32	88	-	49	-	31	72	-	104	168	272	178	94	-
Other	-	-	-	-	-	-	-	-	-	-	-	4	-	4
United Kingdom vessels, motor	-	-	-	-	-	-	-	-	-	-	-	33	-	33
Total	4,901	4,962	-	78	-	31	72	-	4,973	5,091	10,064	15,238	-	5,174
Number of vessels														
Canso canal:														
Canadian vessels:														
Steam	59	55	-	-	-	-	1	-	80	55	115	101	14	-
Motor	469	460	-	11	-	-	7	-	476	471	947	1,015	-	68
Unrigged	19	16	-	-	-	-	-	-	19	16	35	27	8	-
United States vessels:														
Motor	1	1	1	14	7	10	6	-	15	25	40	21	19	-
Unrigged	-	-	-	-	-	-	1	-	1	-	1	-	1	-
United Kingdom vessels:														
Steam	1	1	-	-	-	1	-	-	1	2	3	5	-	2
Motor	6	4	-	1	-	-	-	-	6	5	11	19	-	8
Other foreign vessels:														
Steam	-	-	-	5	-	-	3	-	3	5	8	18	-	8
Motor	15	10	-	33	4	4	16	-	35	47	82	66	16	-
Unrigged	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Total	570	547	1	64	11	15	34	-	616	626	1,242	1,271	-	29
Registered net tonnage														
Canadian vessels:														
Steam	71,780	57,931	-	-	-	-	2,695	-	74,475	57,931	132,408	95,797	36,609	-
Motor	151,070	139,203	-	2,030	-	-	1,799	-	152,869	141,233	294,102	189,147	104,955	-
Unrigged	3,110	2,736	-	-	-	-	-	-	3,110	2,736	5,846	7,617	-	1,771
United States vessels:														
Motor	1,200	105	37	5,598	3,255	4,953	2,925	-	7,417	10,656	18,073	2,894	15,179	-
Unrigged	-	-	-	-	-	-	150	-	150	-	150	-	150	-
United Kingdom vessels:														
Steam	1,654	1,351	-	-	-	503	-	-	1,654	1,854	3,508	4,308	-	800
Motor	5,710	4,562	-	1,815	-	-	-	-	5,710	6,377	12,087	13,141	-	1,054
Other foreign vessels:														
Steam	-	-	-	7,349	-	-	4,250	-	4,250	7,349	11,599	28,852	-	17,253
Motor	10,210	7,918	-	22,468	3,930	3,887	10,928	-	25,068	34,273	59,341	69,356	-	10,015
Unrigged	-	-	-	-	-	-	-	-	-	-	-	315	-	315
Total	244,734	213,806	37	39,260	7,185	9,343	22,747	-	274,703	262,409	537,112	411,427	125,685	-

TABLE 12 A. Number and Registered Net Tonnage of Vessels Using Sault Ste. Marie Canal by Kind of Vessel and Length

Kind of vessel	59 feet and under		60-79 feet		80-99 feet		100-119 feet		120-139 feet		140-159 feet		160-179 feet	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels														
Freight	—	1	1	1	2	2	—	—	1	1	11	12	—	—
Passenger	1	—	50	819	—	—	—	—	—	—	—	—	—	—
Freight and passenger	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tanker	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scow or barge	1	—	1	2	44	44	2	2	2	3	144	147	—	1
Other	28	32	167	167	174	174	14	10	4	4	26	16	—	—
Total	30	33	219	989	220	220	16	12	7	8	181	175	—	1
Registered net tonnage														
Freight	—	23	20	20	194	132	—	—	220	220	1,364	1,488	—	—
Passenger	8	—	3,990	65,904	—	—	—	—	—	—	—	—	—	—
Freight and passenger	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tanker	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scow or barge	40	—	108	172	1,520	1,509	548	443	1,047	1,565	83,139	85,337	—	475
Other	327	420	3,636	3,616	7,675	7,675	2,350	1,370	538	659	5,748	3,518	—	—
Total	375	443	7,754	69,712	9,389	9,316	2,898	1,813	1,805	2,444	90,251	90,343	—	475
Number of vessels														
Freight	5	4	6	6	13	11	316	212	23	27	3	—	23	21
Passenger	3	3	—	—	—	—	—	—	—	—	—	—	—	—
Freight and passenger	12	12	—	—	—	—	—	—	—	—	—	—	—	—
Tanker	2	2	—	—	—	1	27	57	3	7	—	—	3	4
Scow or barge	—	—	—	—	5	4	—	—	—	—	—	—	1	—
Other	2	—	—	—	2	2	—	—	—	—	—	—	—	—
Total	24	21	6	6	20	18	343	269	26	34	3	—	27	25
Registered net tonnage														
Freight	2,516	1,811	2,962	2,835	8,835	6,833	402,141	251,147	33,284	37,198	3,222	—	54,956	50,064
Passenger	2,277	2,277	—	—	—	—	—	—	—	—	—	—	—	—
Freight and passenger	9,108	9,108	—	—	—	—	—	—	—	—	—	—	—	—
Tanker	802	802	—	—	—	2,324	35,158	74,974	2,832	7,000	—	—	4,074	6,872
Scow or barge	—	—	—	—	5,856	4,662	—	—	—	—	—	—	2,061	—
Other	100	—	—	—	2,431	2,431	—	—	—	—	—	—	—	—
Total	14,803	13,998	2,962	2,935	17,122	16,250	437,299	326,121	36,116	44,198	3,222	—	61,091	56,936
Number of vessels														
Freight	1	—	3	—	109	24	28	13	25	17	—	—	36	—
Passenger	14	14	—	—	—	—	—	—	—	—	—	—	—	—
Freight and passenger	—	—	14	24	—	1	—	—	—	—	—	—	—	—
Tanker	—	7	—	—	—	42	—	2	—	17	—	—	—	7
Scow or barge	—	—	5	—	2	—	6	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	15	21	22	24	111	67	34	15	25	34	—	—	36	7
Registered net tonnage														
Freight	2,172	—	9,008	—	282,936	65,904	75,450	28,236	79,560	59,432	114,070	—	—	—
Passenger	19,978	19,978	—	—	—	—	—	—	—	—	—	—	—	—
Freight and passenger	—	—	40,390	60,525	—	2,885	—	—	—	—	—	—	—	—
Tanker	—	18,268	—	—	—	116,193	—	4,196	—	47,914	—	—	—	19,322
Scow or barge	—	—	14,975	—	5,457	—	19,530	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	22,150	36,246	64,373	60,525	288,393	184,982	94,980	32,432	79,560	107,346	114,070	—	—	19,322

TABLE 12A. Number and Registered Net Tonnage of Vessels Using Sault Ste. Marie Canal by Kind of Vessel and Length — Concluded

Kind of vessel	440-459 feet		460-479 feet		480-499 feet		500-519 feet		520-539 feet		540-559 feet		560-579 feet	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels														
Freight	14	—	4	—	4	—	27	1	23	1	4	—	2	—
Passenger	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Freight and passenger	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tanker	—	4	—	10	—	—	—	—	—	—	—	—	—	—
Scow or barge	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	14	4	4	10	4	—	27	1	23	1	4	—	2	—
Registered net tonnage														
Freight	49,039	—	13,905	—	14,965	—	118,037	4,369	115,269	5,031	22,566	—	10,336	—
Passenger	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Freight and passenger	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tanker	—	15,848	—	33,630	—	—	—	—	—	—	—	—	—	—
Scow or barge	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	49,039	15,848	13,905	33,630	14,965	—	118,037	4,369	115,269	5,031	22,566	—	10,336	—
Number of vessels														
Freight	—	—	4	—	—	—	—	—	—	—	—	—	688	354
Passenger	—	—	—	—	—	—	—	—	—	—	—	—	68	836
Freight and Passenger	—	—	—	—	—	—	—	—	—	—	—	—	26	37
Tanker	—	—	—	—	—	—	—	—	—	—	—	—	35	160
Scow or barge	—	—	—	—	—	—	—	—	—	—	—	—	213	203
Other	—	—	—	—	—	—	—	—	—	—	—	—	417	405
Total	—	—	4	—	—	—	—	—	—	—	—	—	1,447	1,995
Registered net tonnage														
Freight	—	—	24,715	—	—	—	—	—	—	—	—	—	1,441,742	514,843
Passenger	—	—	—	—	—	—	—	—	—	—	—	—	26,253	88,159
Freight and passenger	—	—	—	—	—	—	—	—	—	—	—	—	49,498	72,518
Tanker	—	—	—	—	—	—	—	—	—	—	—	—	42,866	345,343
Scow or barge	—	—	—	—	—	—	—	—	—	—	—	—	134,281	94,163
Other	—	—	—	—	—	—	—	—	—	—	—	—	22,805	19,689
Total	—	—	24,715	—	—	—	—	—	—	—	—	—	1,717,445	1,134,715

TABLE 12B. Number and Registered Net Tonnage of Vessels Using Welland Ship Canal by Kind of Vessel and Length

	59 feet and under		60-79 feet		80-99 feet		100-119 feet		120-139 feet		140-159 feet		160-179 feet	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels														
Freight	—	—	—	—	5	4	8	8	3	3	15	16	7	8
Passenger	1	—	1	—	—	—	—	—	—	—	1	—	—	—
Freight and passenger	—	—	—	—	3	—	—	—	—	—	—	—	1	—
Tanker	—	1	—	—	—	—	—	—	—	—	—	1	—	4
Scow or barge	2	9	2	3	7	7	40	32	7	11	6	6	6	5
Other	36	28	115	119	200	194	24	30	11	12	1	4	2	1
Total	39	38	118	122	215	205	72	70	21	26	23	27	17	18
Registered net tonnage														
Freight	—	—	—	—	700	585	1,476	1,546	585	603	3,171	3,278	1,900	2,176
Passenger	12	—	26	—	—	—	—	—	—	—	219	—	—	—
Freight and passenger	—	—	—	—	206	—	—	—	—	—	—	—	276	—
Tanker	—	1,699	—	—	—	—	—	—	—	—	—	837	238	1,774
Scow or barge	60	764	135	355	1,136	1,134	20,576	15,013	2,283	4,276	4,100	2,938	2,991	3,879
Other	452	297	5,964	6,208	16,689	16,197	5,008	5,833	3,554	2,806	232	2,407	1,083	115
Total	524	2,760	6,125	6,563	18,731	17,916	27,060	22,392	6,422	7,685	7,722	9,460	6,488	7,944

TABLE 12 B. Number and Registered Net Tonnage of Vessels Using Welland Ship Canal by Kind of Vessel and Length - Continued

Kind of vessel	180-199 feet		200-219 feet		220-239 feet		240-259 feet		260-279 feet		280-299 feet		300-319 feet	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels														
Freight	10	8	31	50	88	79	2,028	1,977	41	52	1	1	33	30
Passenger	-	-	-	-	-	-	1	1	-	-	-	3	-	-
Freight and passenger	-	-	-	-	1	-	19	-	-	-	-	-	-	-
Tanker	4	1	6	11	7	5	259	269	9	8	24	24	2	2
Scow or barge	2	2	83	90	113	103	1	-	-	-	-	-	-	-
Other	7	12	2	2	4	3	1	1	-	2	-	-	1	1
Total	23	23	122	153	213	190	2,309	2,248	50	62	25	28	36	33
Registered net tonnage														
Freight	4,132	2,938	16,438	28,145	58,165	53,062	2,494,886	2,405,457	43,350	59,870	1,327	4,158	66,283	60,330
Passenger	-	-	-	-	-	-	1,378	1,632	-	-	-	4,281	-	-
Freight and passenger	-	-	-	-	727	-	19,193	-	-	-	-	-	-	-
Tanker	2,972	512	5,688	9,203	4,693	3,373	332,935	349,159	7,011	6,232	24,716	26,447	2,716	2,716
Scow or barge	1,628	739	105,243	112,120	141,399	126,190	1,278	-	-	-	-	-	-	-
Other	5,710	8,034	1,954	1,300	4,460	3,329	1,262	1,700	-	2,127	-	-	1,700	1,600
Total	14,442	12,223	129,323	148,768	209,444	185,954	2,850,932	2,757,948	50,361	68,229	26,043	34,886	70,699	84,646
Number of vessels														
Freight	1	11	19	13	44	18	58	73	62	83	96	84	84	84
Passenger	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight and passenger	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	8	-	3	13	-	-	-	20	15	-	-	-	-	1
Scow or barge	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	12	11	22	26	45	18	78	88	62	63	96	85	85	85
Registered net tonnage														
Freight	5,918	33,034	45,210	29,226	104,855	46,481	160,633	190,415	185,318	188,678	295,926	256,691	256,691	256,691
Passenger	4,281	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight and passenger	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	18,592	-	7,371	29,986	-	-	55,653	42,073	-	-	-	-	-	3,812
Scow or barge	-	-	-	-	2,819	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	28,791	33,034	52,581	59,212	107,674	46,481	216,286	232,488	185,318	188,678	295,926	260,503	260,503	260,503
Number of vessels														
Freight	44	52	109	126	118	86	47	48	57	60	30	30	17	20
Passenger	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight and passenger	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	3	8	5	-	1	-	-	1	-	-	-	-	-	-
Scow or barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	47	61	114	126	119	86	47	48	58	60	30	30	17	20
Registered net tonnage														
Freight	154,255	192,291	412,594	472,538	509,137	391,363	232,985	237,938	290,344	317,863	146,482	148,514	110,195	133,998
Passenger	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight and passenger	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	10,087	26,904	16,815	-	3,363	-	-	-	9,711	-	-	-	-	-
Scow or barge	-	3,820	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	164,342	223,015	429,409	472,538	512,500	391,363	232,985	237,938	300,055	317,863	146,482	148,514	110,195	133,998

TABLE 12 B. Number and Registered Net Tonnage of Vessels Using Welland Ship Canal by Kind of Vessel and Length - Concluded

Kind of vessel	580-599 feet		600-619 feet		620-639 feet		640-649 feet		650 feet and over		Total	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels												
Freight	53	38	48	18	67	77	106	32	77	178	3,323	3,263
Passenger	—	—	—	—	—	—	—	—	—	—	7	4
Freight and passenger	—	—	—	—	—	—	—	—	—	—	24	—
Tanker	—	—	21	2	2	21	—	—	1	—	377	385
Scow or barge	—	—	—	—	—	—	—	—	—	—	270	270
Other	—	—	—	—	—	—	—	—	—	—	404	409
Total	53	38	69	20	69	98	106	32	78	178	4,405	4,331
Registered net tonnage												
Freight	345,738	238,015	370,309	106,906	540,985	625,600	956,862	270,101	808,697	1,719,636	8,368,856	8,219,436
Passenger	—	—	—	—	—	—	—	—	—	—	5,916	5,913
Freight and passenger	—	—	—	—	—	—	—	—	—	—	20,402	—
Tanker	—	—	197,019	19,008	18,872	202,417	—	—	9,711	—	726,163	722,340
Scow or barge	—	—	—	—	—	—	—	—	—	—	283,648	275,040
Other	—	—	—	—	—	—	—	—	—	—	48,068	51,953
Total	345,738	238,015	567,328	125,914	557,857	828,017	956,862	270,101	818,408	1,719,636	9,453,053	9,274,882

TABLE 12 C. Number and Registered Net Tonnage of Vessels Using St. Lawrence Canals by Kind of Vessel and Length

Kind of vessel	59 feet and under		60-79 feet		80-99 feet		100-119 feet		120-139 feet		140-159 feet		160-179 feet		
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	
Number of vessels															
Freight	7	3	53	54	273	277	201	202	45	47	29	30	20	20	
Passenger	1	3	1	—	—	—	—	—	—	—	—	—	—	—	
Freight and passenger	—	1	—	—	—	—	—	1	—	—	1	—	1	—	
Tanker	—	2	—	1	28	25	18	16	—	—	—	1	5	1	
Scow or barge	16	19	6	5	16	13	56	41	23	31	20	15	226	230	
Other	263	267	435	422	208	206	85	71	34	28	10	6	5	5	
Total	287	295	495	482	525	521	358	331	102	106	60	52	257	256	
Registered net tonnage															
Freight	5,334	4,263	5,499	5,518	29,629	30,090	36,854	36,883	7,804	8,823	6,588	6,782	5,637	5,774	
Passenger	7	43	26	—	—	—	—	—	—	—	—	—	—	—	
Freight and passenger	—	20	—	—	—	—	—	121	—	—	205	—	276	—	
Tanker	—	1,422	—	36	3,360	3,006	1,904	1,904	—	—	—	837	1,978	649	
Scow or barge	854	1,077	597	346	2,962	1,648	19,432	10,410	8,466	10,175	7,898	6,598	112,924	114,686	
Other	4,428	4,888	12,526	12,535	12,633	12,152	13,764	10,365	13,641	11,254	19,942	1,674	1,464	4,189	
Total	10,623	11,733	18,648	18,435	48,584	46,896	71,954	59,683	29,911	30,252	16,633	15,891	122,279	125,296	
Registered net tonnage (continued)															
		180-199 feet		200-219 feet		220-239 feet		240-259 feet		260-279 feet		280 feet and over		Total	
		Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels															
Freight	11	10	45	62	99	94	2,945	2,946	2	5	—	1	3,730	3,751	
Passenger	1	—	—	1	—	—	1	—	—	—	—	3	7	7	
Freight and passenger	—	—	—	—	—	—	15	—	—	—	—	—	17	2	
Tanker	18	24	9	18	10	5	372	354	—	—	—	—	458	447	
Scow or barge	6	5	—	1	12	10	2	3	—	—	—	—	383	373	
Other	8	9	2	1	2	3	—	—	—	—	—	—	1,052	1,018	
Total	44	48	56	83	123	112	3,335	3,303	2	5	3	4	5,647	5,598	
Registered net tonnage															
Freight	4,848	3,437	19,078	31,049	86,760	65,338	3,638,545	3,633,193	1,722	5,112	—	1,634	3,828,298	3,837,916	
Passenger	752	—	—	752	—	—	1,378	—	—	—	4,116	4,116	6,279	4,911	
Freight and passenger	—	—	—	—	—	—	13,554	—	—	—	—	—	14,035	141	
Tanker	13,068	16,085	5,674	13,592	5,999	3,373	445,583	427,349	—	—	—	—	4,775,566	468,253	
Scow or barge	3,858	2,484	—	4,236	14,152	12,551	2,555	3,838	—	—	—	—	173,698	168,049	
Other	6,522	7,734	2,495	498	1,629	2,431	—	—	—	—	—	—	71,044	67,720	
Total	29,048	29,740	27,247	50,127	88,540	83,683	4,101,615	4,064,380	1,722	5,112	4,116	5,750	4,570,920	4,546,990	

TABLE 13A. Number and Registered Net Tonnage of Vessels Using Sault Ste. Marie Canal by Kind of Vessel and Draft — Concluded

Kind of vessel	25 feet		26 feet		27 feet		28 feet		29 feet		30 feet		Total		
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	
Number of vessels															
Freight.....	—	—	—	—	—	—	—	—	—	—	—	—	—	688	354
Passenger	—	—	—	—	—	—	—	—	—	—	—	—	—	68	836
Freight and passenger..	—	—	—	—	—	—	—	—	—	—	—	—	—	26	37
Tanker	—	—	—	—	—	—	—	—	—	—	—	—	—	35	160
Scow or barge	—	—	—	—	—	—	—	—	—	—	—	—	—	213	203
Other	—	—	—	—	—	—	—	—	—	—	—	—	—	417	405
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	1,447	1,995
Registered net tonnage															
Freight.....	—	—	—	—	—	—	—	—	—	—	—	—	—	1,441,742	514,843
Passenger	—	—	—	—	—	—	—	—	—	—	—	—	—	26,253	88,159
Freight and passenger..	—	—	—	—	—	—	—	—	—	—	—	—	—	49,498	72,518
Tanker	—	—	—	—	—	—	—	—	—	—	—	—	—	42,866	345,343
Scow or barge	—	—	—	—	—	—	—	—	—	—	—	—	—	134,261	94,163
Other	—	—	—	—	—	—	—	—	—	—	—	—	—	22,805	19,689
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	1,717,445	1,134,715

TABLE 13B. Number and Registered Net Tonnage of Vessels Using Welland Ship Canal by Kind of Vessel and Draft

Kind of vessel	5 feet and under		6 feet		7 feet		8 feet		9 feet		10 feet		11 feet	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels														
Freight.....	—	—	1	—	4	9	17	—	30	12	34	32	45	67
Passenger	1	—	—	—	—	—	—	—	—	—	1	—	1	—
Freight and passenger..	—	—	—	—	—	—	—	—	—	—	1	—	—	3
Tanker	—	2	—	—	—	—	1	—	5	3	20	9	26	11
Scow or barge	43	57	16	8	16	2	19	2	21	9	25	17	107	121
Other	35	32	12	18	17	14	18	12	23	20	74	94	155	131
Total	79	91	29	26	37	25	55	14	79	44	155	182	337	330
Registered net tonnage														
Freight.....	—	—	805	—	2,943	2,951	11,896	—	34,068	4,985	44,535	22,023	48,590	50,330
Passenger	12	—	—	—	—	—	—	—	—	—	26	—	219	—
Freight and passenger..	—	—	—	—	—	—	—	—	—	—	47	—	1,665	—
Tanker	—	1,335	—	—	—	—	1,409	—	4,367	1,981	20,039	9,814	25,076	9,578
Scow or barge	23,500	23,977	17,984	2,102	14,347	641	22,762	2,437	24,003	9,444	21,549	17,481	131,183	149,763
Other	498	2,039	386	1,315	1,624	536	2,210	1,588	4,266	3,722	10,053	11,981	14,045	12,585
Total	24,010	27,351	19,175	3,417	18,914	4,128	38,277	4,025	66,744	20,132	96,249	61,299	220,798	222,256
Number of vessels														
Freight.....	128	112	540	173	785	503	674	1,027	262	132	212	129	217	91
Passenger	—	—	—	—	—	—	1	1	3	2	—	—	—	1
Freight and passenger..	3	—	2	—	8	—	9	—	—	—	—	—	—	—
Tanker	18	18	48	38	77	93	50	57	22	25	82	44	16	10
Scow or barge	18	51	1	—	2	1	1	—	1	—	—	—	1	—
Other	44	51	10	20	14	12	1	4	1	1	—	—	—	—
Total	207	230	601	231	884	609	736	1,089	289	160	274	173	234	102
Registered net tonnage														
Freight.....	144,558	105,506	640,134	177,102	958,833	592,342	944,040	1,231,534	812,370	188,933	815,040	256,422	1,217,625	230,475
Passenger	—	—	—	—	—	—	1,378	1,632	4,281	2,854	—	—	—	1,427
Freight and passenger..	1,508	—	2,816	—	5,880	—	8,466	—	—	—	—	—	—	—
Tanker	16,854	18,205	63,678	52,459	99,956	108,804	61,029	67,112	42,299	33,471	94,456	57,707	40,310	13,283
Scow or barge	20,951	60,296	676	—	2,092	1,267	1,360	—	1,278	—	—	—	678	—
Other	8,175	6,919	2,219	5,451	3,195	2,926	115	2,007	1,262	884	—	—	—	—
Total	192,042	190,926	709,527	235,012	1,069,956	705,339	1,016,388	1,302,285	861,490	226,142	909,496	314,129	1,258,613	245,185

TABLE 13B. Number and Registered Net Tonnage of Vessels Using Welland Ship Canal by Kind of Vessel and Draft - Concluded

	19 feet		20 feet		21 feet		22 feet		23 feet		24 feet	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels												
Freight	184	134	101	248	42	228	28	135	14	222	5	9
Passenger	-	-	-	-	-	-	-	-	-	-	-	-
Freight and passenger ..	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	19	19	9	6	5	23	1	11	-	18	-	-
Scow or barge	-	1	-	1	-	-	1	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-
Total	203	154	110	255	47	251	30	146	14	240	5	9
Registered net tonnage												
Freight	1,169,235	464,401	894,235	923,579	327,127	1,058,698	157,557	957,915	106,127	1,875,882	39,140	76,358
Passenger	-	-	-	-	-	-	-	-	-	-	-	-
Freight and passenger ..	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	149,265	30,025	78,360	22,653	21,542	67,323	7,503	55,090	-	173,500	-	-
Scow or barge	-	3,812	-	3,820	-	-	1,283	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-
Total	1,318,500	498,238	972,595	950,052	348,669	1,126,021	166,343	1,013,005	106,127	2,049,382	39,140	76,358
Number of vessels												
Freight	-	-	-	-	-	-	-	-	-	-	-	-
Passenger	-	-	-	-	-	-	-	-	-	-	-	-
Freight and passenger ..	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	-	-	-	-	-	-	-	-	-	-	-	-
Scow or barge	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-
Registered net tonnage												
Freight	-	-	-	-	-	-	-	-	-	-	-	-
Passenger	-	-	-	-	-	-	-	-	-	-	-	-
Freight and passenger ..	-	-	-	-	-	-	-	-	-	-	-	-
Tanker	-	-	-	-	-	-	-	-	-	-	-	-
Scow or barge	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-
Number of vessels												
Freight	-	-	-	-	-	-	-	-	-	-	3,323	3,263
Passenger	-	-	-	-	-	-	-	-	-	-	7	4
Freight and passenger ..	-	-	-	-	-	-	-	-	-	-	24	-
Tanker	-	-	-	-	-	-	-	-	-	-	377	385
Scow or barge	-	-	-	-	-	-	-	-	-	-	270	270
Other	-	-	-	-	-	-	-	-	-	-	404	409
Total	-	-	-	-	-	-	-	-	-	-	4,405	4,331
Registered net tonnage												
Freight	-	-	-	-	-	-	-	-	-	-	8,368,856	8,219,436
Passenger	-	-	-	-	-	-	-	-	-	-	5,916	5,913
Freight and passenger ..	-	-	-	-	-	-	-	-	-	-	20,402	-
Tanker	-	-	-	-	-	-	-	-	-	-	726,163	722,340
Scow or barge	-	-	-	-	-	-	-	-	-	-	283,648	275,040
Other	-	-	-	-	-	-	-	-	-	-	48,068	51,953
Total	-	-	-	-	-	-	-	-	-	-	8,453,063	8,274,682

TABLE 13 C. Number and Registered Net Tonnage of Vessels Using St. Lawrence Canals by Kind of Vessel and Draft

Kind of vessel	5 feet and under		6 feet		7 feet		8 feet		9 feet		10 feet	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
Number of vessels												
Freight	12	101	77	7	66	36	124	71	172	86	103	100
Passenger	1	2	—	1	—	—	—	—	—	—	2	1
Freight and Passenger..	—	1	—	—	—	—	—	—	—	—	1	—
Tanker	—	13	—	5	13	1	6	18	—	19	6	42
Scow or Barge	146	118	11	3	39	14	11	5	165	216	4	3
Other	147	146	148	127	46	34	319	313	84	79	89	84
Total	306	381	236	143	164	85	460	407	421	400	185	230
Registered net tonnage												
Freight	1,546	19,150	14,785	1,081	9,178	4,717	22,102	8,138	135,161	12,775	46,659	24,403
Passenger	7	20	—	23	—	—	—	—	—	—	778	752
Freight and Passenger..	—	20	—	—	—	—	—	—	—	—	205	—
Tanker	—	1,548	—	512	1,547	15	1,716	5,236	—	13,422	720	49,930
Scow or Barge	55,178	32,247	4,918	740	17,038	5,346	3,939	5,563	83,778	106,939	2,970	1,215
Other	7,777	5,484	4,591	3,481	3,820	4,132	16,176	15,889	7,311	6,637	6,212	5,766
Total	64,508	58,469	24,294	5,837	31,583	14,210	43,933	34,826	226,250	139,773	57,544	82,066
11 feet		12 feet		13 feet		14 feet		15 feet		16 feet		
Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	
Number of vessels												
Freight	135	172	184	157	1,120	229	999	1,153	735	1,588	1	26
Passenger	—	—	2	—	—	—	—	—	1	—	3	3
Freight and Passenger..	—	—	8	—	1	1	6	7	—	—	—	—
Tanker	20	33	8	53	49	110	165	125	191	24	—	1
Scow or Barge	—	5	2	6	2	—	3	1	—	—	—	—
Other	120	112	59	59	15	20	43	42	2	1	—	1
Total	275	322	255	277	1,187	360	1,216	1,321	936	1,613	4	31
Registered net tonnage												
Freight	48,750	56,996	169,231	95,740	1,290,832	207,169	1,201,732	1,406,480	885,586	1,939,380	232	26,673
Passenger	—	—	—	—	—	—	—	—	1,378	—	4,116	4,116
Freight and Passenger..	—	—	779	—	1,089	121	5,560	—	6,402	—	—	—
Tanker	2,804	34,942	6,204	57,450	49,818	128,332	196,194	144,598	218,563	27,550	—	837
Scow or Barge	—	6,159	1,741	9,297	1,172	—	2,964	543	—	—	—	—
Other	13,784	10,779	6,955	5,346	1,399	7,007	2,721	2,166	298	149	—	884
Total	65,338	108,876	184,910	167,833	1,344,310	342,629	1,409,171	1,553,787	1,112,227	1,967,079	4,348	32,510
17 feet		18 feet		19 feet		20 feet		21 feet		Total		
Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	
Number of vessels												
Freight	—	18	1	4	—	1	—	2	1	—	3,730	3,751
Passenger	—	—	—	—	—	—	—	—	—	—	7	7
Freight and Passenger..	—	—	—	—	—	—	—	—	—	—	17	2
Tanker	—	3	—	—	—	—	—	—	—	—	458	447
Scow or Barge	—	—	—	—	—	—	—	—	—	—	383	373
Other	—	—	—	—	—	—	—	—	—	—	1,052	1,018
Total	—	21	1	4	—	1	—	2	1	—	5,647	5,598
Registered net tonnage												
Freight	—	24,663	1,134	6,691	—	890	—	2,970	1,370	—	3,828,298	3,837,916
Passenger	—	—	—	—	—	—	—	—	—	—	6,279	4,911
Freight and Passenger..	—	—	—	—	—	—	—	—	—	—	14,035	141
Tanker	—	3,881	—	—	—	—	—	—	—	—	477,566	468,253
Scow or Barge	—	—	—	—	—	—	—	—	—	—	173,698	168,049
Other	—	—	—	—	—	—	—	—	—	—	71,044	67,720
Total	—	28,544	1,134	6,691	—	890	—	2,970	1,370	—	4,570,920	4,546,890

TABLE 14. Traffic through Canadian and United States Sault Ste. Marie Canals¹

	Up			Down			Grand Total	Compared with 1957	
	Canadian Canal	United States Canal ²	Total	Canadian Canal	United States Canal ²	Total		Increase	Decrease
Vessel passages.....	1,447	6,917	8,364	1,995	6,274	8,269	16,633	—	4,670
Registered net tonnage of vessels.....	1,717,445	30,057,695	31,775,140	1,134,715	30,866,251	32,000,966	63,776,106	—	26,604,164
Passengers.....	14,281	120,379	134,660	125,448	9,606	135,054	269,714	90,910	—
	Cargo tons								
Paper and Wood pulp.....	2,274	—	2,274	186,237	25,329	211,566	213,840	9,645	—
Pulpwood, lumber and logs.....	290	—	290	500	282,310	282,810	283,100	—	49,442
Wheat.....	60	—	60	101,072	7,376,794	7,477,866	7,477,926	944,622	—
Barley.....	—	—	—	111,239	1,952,767	2,064,006	2,064,006	340,018	—
Oats.....	—	—	—	65,137	798,714	863,851	863,851	—	51,843
Corn.....	—	—	—	20,106	243,145	263,251	263,251	193,188	—
Rye.....	—	—	—	1,663	204,151	205,814	205,814	7,458	—
Flaxseed.....	—	—	—	12,568	409,014	421,580	421,580	—	289,328
Flour.....	240	—	240	15,528	19,899	35,427	35,667	—	22,538
Other grain and mill products.....	—	—	—	76,060	126,708	202,768	202,768	—	14,817
Iron ore.....	2,000	149,074	151,074	—	54,036,938	54,036,938	54,188,010	—	32,321,704
Manufactured iron and steel.....	2,947	135,297	138,244	113,840	67,072	180,912	319,156	—	67,563
Pig iron.....	—	—	—	—	134,428	134,428	134,428	—	36,401
Scrap iron.....	—	22,004	22,004	3,528	128,397	131,925	153,929	—	112,251
Sand, gravel and stone.....	24,626	1,243,625	1,268,251	123,270	1,800	125,070	1,393,321	—	218,892
Crude oil.....	—	—	—	2,600	329,100	331,700	331,700	—	497,297
Fuel oil.....	35,827	388,049	423,876	9,175	—	9,175	433,051	—	47,195
Other petroleum products.....	10,600	750	11,350	9,980	15,861	25,841	37,191	1,209	—
Gasoline.....	33,329	303,476	336,805	—	—	—	336,805	—	24,330
Cement.....	260	289,923	290,183	—	—	—	290,183	68,961	—
Coal, bituminous.....	33,949	6,351,835	6,385,784	3,019	—	3,019	6,388,803	—	2,581,836
Coal, Anthracite.....	—	76,387	76,387	—	—	—	76,387	—	247,130
Coke.....	—	41,052	41,052	—	—	—	41,052	—	41,109
Salt.....	12,758	106,523	119,281	—	—	—	119,281	—	14,130
Autos, trucks and parts.....	1,769	23,970	25,739	897	—	897	26,636	—	17,801
Other freight.....	186,240	153,377	339,617	25,075	15,085	40,160	379,777	—	20,412
Total.....	347,169	9,265,342	9,632,511	881,492	66,167,510	67,049,002	76,681,513	—	35,119,717

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

² Sault Ste. Marie, U.S. locks are: (1) Poe Lock—Length 704 ft., Depth 16.6 ft.
 (2) Davis Lock—Length 1,350 ft., Width 80 ft., Depth 23.1 ft.
 (3) Sabin Lock—Length 1,350 ft., Width 80 ft., Depth 23.1 ft.
 (4) MacArthur Lock 800 ft., Width 80 ft., Depth 31.0 ft.

TABLE 15. Freight Carried through Sault Ste. Marie Canal by Country of Loading and Unloading of Cargo, by Commodity

No.	Commodity	Canada to Canada		Canada to United States		Canada to United Kingdom		Canada to Other Countries		United States to United States		United States to Canada		United States to United Kingdom	
		Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
		cargo tons													
	Agricultural products:														
1	Wheat	60	85,853	—	2,400	—	11,769	—	—	—	—	—	1,050	—	—
2	Corn	—	—	—	—	—	—	—	—	—	—	—	11,550	—	8,556
3	Oats	—	63,668	—	—	—	1,469	—	—	—	—	—	—	—	—
4	Barley	—	97,792	—	2,333	—	6,662	—	—	—	—	—	—	—	—
5	Rye	—	1,663	—	—	—	—	—	—	—	—	—	—	—	—
6	Flaxseed	—	6,508	—	—	—	1,269	—	1,667	—	—	—	—	—	1,666
7	Soyabeans	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	Grain Screenings	—	1,221	—	—	—	—	—	—	—	—	—	—	—	—
9	Other grain	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	Flour	240	15,528	—	—	—	—	—	—	—	—	—	—	—	—
11	Other mill products	—	74,839	—	—	—	—	—	—	—	—	—	—	—	—
12	Hay and straw	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	Fruit and vegetables	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	Other agricultural products	—	7,557	—	—	—	—	—	—	—	—	—	—	—	—
15	Total	300	354,629	—	4,733	—	21,169	—	1,667	—	—	—	12,600	—	10,222
	Animals and animal products:														
16	Cattle and calves	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	Other live animals and live poultry	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	Fish	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	Dressed meats	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	Dairy products	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	Other packing house products	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	Other animal products	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mine products:														
24	Coal, anthracite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Coal, bituminous	—	3,019	—	—	—	—	—	—	—	—	33,949	—	—	—
26	Coke	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	Iron ore and concentrates	—	—	—	—	—	—	—	—	—	—	2,000	—	—	—
28	Copper ore and concentrates	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	Other ores and concentrates	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	Petroleum, crude (Foreign)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	Petroleum, crude (Canadian)	—	—	—	—	—	—	—	—	—	—	—	2,600	—	—
32	Sand, gravel and stone	250	123,270	—	—	—	—	—	—	—	—	3,005	—	—	—
33	Limestone	—	—	—	—	—	—	—	—	—	—	21,371	—	—	—
34	Salt	12,758	—	—	—	—	—	—	—	—	—	—	—	—	—
35	Other mine products	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Total	13,008	126,289	—	—	—	—	—	—	—	—	60,325	2,600	—	—
	Forest Products:														
37	Pulpwood	—	500	—	—	—	—	—	—	—	—	—	—	—	—
38	Logs, posts, poles, pitprops, piling	—	—	290	—	—	—	—	—	—	—	—	—	—	—
39	Lumber, timber, cooperage stock	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	Firewood, hogged fuel	—	—	—	—	—	—	—	—	—	—	—	—	—	—
41	Other forest products	—	—	—	—	—	—	—	—	—	—	—	—	—	—
42	Total	—	500	290	—	—	—	—	—	—	—	—	—	—	—
	Manufactures and miscellaneous:														
43	Gasoline	23,000	—	—	—	—	—	—	—	7,129	—	3,200	—	—	—
44	Fuel oil	30,800	9,175	—	—	—	—	—	—	3,027	—	2,000	—	—	—
45	Petroleum oils and other petroleum products	10,600	9,980	—	—	—	—	—	—	—	—	—	—	—	—
46	Iron, pig and bloom	—	—	—	—	—	—	—	—	—	—	—	—	—	—
47	Iron and steel, bar, sheet, structural, pipe	390	75,051	—	38,540	—	—	—	—	—	—	—	—	—	—
48	Iron and steel, other	—	209	—	—	—	—	—	—	—	—	—	—	—	—
49	Scrap, iron and steel	—	—	—	—	—	—	—	—	—	—	—	—	—	—
50	Metals and alloys	—	—	—	—	—	—	—	1,128	—	—	2,400	—	—	—
51	Agricultural implements	—	—	—	—	—	—	—	—	—	—	—	—	—	—
52	Autos, trucks and parts	1,769	897	—	—	—	—	—	—	—	—	—	—	—	—
53	Machines, machinery and parts	1,000	—	—	—	—	—	—	—	—	—	—	—	—	—
54	Fertilizers, all kinds	—	—	—	—	—	—	—	—	—	—	—	—	—	—
55	Chemicals and chemical products	—	4,300	—	—	—	—	—	—	—	—	—	—	—	—
56	Cement, bricks, lime and plaster	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Wood pulp	—	—	—	93,970	—	923	—	—	—	—	—	—	—	—
58	Newsprint paper	—	—	—	91,344	—	—	—	—	—	—	—	—	—	—
59	Paperboard, pulpboard, wallboard	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	Other manufactured wood products	—	2,121	—	—	—	—	—	—	—	—	—	—	—	—
61	Sugar	—	50	—	—	—	—	—	—	—	—	—	—	—	—
62	Sulphur, natural or synthetic	—	—	—	—	—	—	—	—	—	—	—	13,470	—	—
63	Beverages	—	—	—	—	—	—	—	—	—	—	—	—	—	—
64	Other manufactured products	—	75	—	—	—	—	—	—	—	—	—	6,642	—	—
65	Total	67,559	101,858	—	223,854	—	923	—	1,128	10,246	6,682	18,670	2,400	—	—
66	Other freight	169,023	3,405	—	880	—	—	—	—	49	—	165	—	—	—
67	Grand total	249,890	586,681	290	229,467	—	22,092	—	2,795	10,295	6,682	79,160	17,600	—	10,222

TABLE 15. Freight Carried through Sault Ste. Marie Canal by Country of Loading and Unloading of Cargo, by Commodity

United States to Other Countries		United Kingdom to Canada		United Kingdom to United States		Other Countries to Canada		Other Countries to United States		Total		Grand total		Compared with 1957		No.	
Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease		
cargo tons																	
-	-	-	-	-	-	-	-	-	-	60	101,072	101,132	233,494	-	132,362	1	
-	-	-	-	-	-	-	-	-	-	-	20,106	20,106	-	20,106	-	2	
-	4,452	-	-	-	-	-	-	-	-	-	65,137	65,137	100,917	-	35,780	3	
-	-	-	-	-	-	-	-	-	-	-	111,239	111,239	147,796	-	36,557	4	
-	1,456	-	-	-	-	-	-	-	-	-	1,663	1,663	7,863	-	6,200	5	
-	-	-	-	-	-	-	-	-	-	-	12,566	12,566	15,054	-	2,488	6	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	
-	-	-	-	-	-	-	-	-	-	-	1,221	1,221	2,536	-	1,315	8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	
-	-	-	-	-	-	-	-	-	-	240	15,528	15,768	53,367	-	37,599	10	
-	-	-	-	-	-	-	-	-	-	-	74,839	74,839	141,718	-	66,879	11	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	
-	-	-	-	-	-	-	-	-	-	-	7,557	7,557	2,640	4,917	-	14	
-	5,908	-	-	-	-	-	-	-	-	300	410,928	411,228	705,385	-	294,157	15	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	
-	-	-	-	-	-	-	-	-	-	-	-	-	26	-	26	18	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	
-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	26	23	
-	-	-	-	-	-	-	-	-	-	-	-	-	2,705	-	2,705	24	
-	-	-	-	-	-	-	-	-	-	33,949	3,019	36,968	69,103	-	32,135	25	
-	-	-	-	-	-	-	-	-	-	2,000	-	2,000	-	2,000	-	26	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	
-	-	-	-	-	-	-	-	-	-	-	2,600	2,600	-	2,600	-	30	
-	-	-	-	-	-	-	-	-	-	3,255	123,270	126,525	131,668	-	5,143	31	
-	-	-	-	-	-	-	-	-	-	21,371	-	21,371	13,200	8,171	-	32	
-	-	-	-	-	-	-	-	-	-	12,758	-	12,758	22,261	-	9,503	33	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	
-	-	-	-	-	-	-	-	-	-	73,333	128,889	202,222	238,937	-	36,715	35	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	
-	-	-	-	-	-	-	-	-	-	-	500	500	1,500	-	1,000	37	
-	-	-	-	-	-	-	-	-	-	290	-	290	335	-	45	38	
-	-	-	-	-	-	-	-	-	-	-	-	-	265	-	265	39	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	
-	-	-	-	-	-	-	-	-	-	290	500	790	2,100	-	1,310	42	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	
-	-	-	-	-	-	-	-	-	-	33,329	-	33,329	97,954	-	64,825	44	
-	-	-	-	-	-	-	-	-	-	35,827	9,175	45,002	139,171	-	94,169	45	
-	-	-	-	-	-	-	-	-	-	10,600	9,980	20,580	20,795	-	215	46	
-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	110	47	
-	-	-	-	-	-	2,557	-	-	-	2,947	113,591	116,538	134,228	-	17,690	48	
-	-	-	-	-	-	-	-	-	-	-	249	249	487	-	238	49	
-	-	-	-	-	-	-	-	-	-	-	3,528	3,528	1,871	1,657	-	48	50
-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	48	51	
-	-	-	-	-	-	-	-	-	-	1,769	697	2,666	7,487	-	4,821	52	
-	-	-	-	-	-	-	-	-	-	1,090	-	1,090	350	740	-	53	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	
-	-	-	-	-	-	-	-	-	-	-	4,300	4,300	901	3,399	-	55	
-	-	-	-	-	-	260	-	-	-	260	260	260	260	-	260	56	
-	-	-	-	-	-	-	-	2,274	-	2,274	94,893	97,167	86,514	10,653	-	57	
-	-	-	-	-	-	-	-	-	-	-	91,344	91,344	88,309	3,035	-	58	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	
-	-	-	-	-	-	-	-	-	-	-	2,121	2,121	18	2,103	-	60	
-	-	-	-	-	-	-	-	-	-	-	50	50	410	-	360	61	
-	-	-	-	-	-	-	-	-	-	13,470	-	13,470	13,720	-	250	62	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	
-	-	-	-	-	-	16	-	-	-	16	6,717	6,733	3,598	3,135	-	64	
-	-	-	-	-	-	2,833	-	2,274	-	101,582	336,845	438,427	595,971	-	157,544	65	
-	45	-	-	-	-	1,288	-	1,139	-	171,664	4,330	175,994	242,281	-	66,287	66	
-	5,963	-	-	-	-	4,121	-	3,413	-	347,169	881,492	1,228,661	1,784,700	-	556,039	67	

TABLE 16. Freight Carried through Welland Ship Canal by Country of Loading and Unloading of Cargo, by Commodity

No.	Commodity	Canada to Canada		Canada to United States		Canada to United Kingdom		Canada to Other Countries		United States to United States		United States to Canada	
		Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
		cargo tons											
	Agricultural products:												
1	Wheat	17,021	3,333,582	—	—	—	13,019	—	865	—	256,517	—	8,207
2	Corn	—	88,965	—	—	—	—	—	—	—	15,622	—	291,802
3	Oats	1,471	353,690	—	—	—	1,469	—	—	—	—	—	—
4	Barley	14,661	1,230,684	—	—	—	9,722	—	—	—	76,656	—	1,632
5	Rye	2,165	43,405	—	—	—	—	—	—	—	44,845	—	6,678
6	Flaxseed	—	325,942	—	—	—	1,269	—	1,667	—	—	—	23,961
7	Soyabeans	—	92,671	—	—	—	—	—	—	—	1,894	—	303,331
8	Grain screenings	—	8,493	—	—	—	—	—	—	—	—	—	—
9	Other grain	—	2,468	—	—	—	—	—	—	—	—	—	—
10	Flour	485	7,323	200	—	—	7,088	—	5,951	—	—	—	—
11	Other mill products	200	16,482	—	—	—	200	—	—	—	—	—	—
12	Hay and straw	—	—	—	—	—	—	—	—	—	—	—	—
13	Fruit and vegetables	—	—	—	—	—	—	—	—	—	—	—	—
14	Other agricultural products	—	10,364	—	—	—	—	—	650	—	7,407	—	—
15	Total	36,003	5,514,069	200	—	—	32,767	—	9,133	—	402,941	—	635,611
	Animals and animal products:												
16	Cattle and calves	—	—	—	—	—	—	—	—	—	—	—	—
17	Other live animals and live poultry	—	—	—	—	—	—	—	—	—	—	—	—
18	Fish	—	27	1,542	—	—	—	—	—	—	—	—	—
19	Dressed meats	—	—	—	—	—	—	—	—	—	—	—	—
20	Dairy products	—	—	—	—	—	—	—	—	—	—	—	—
21	Other packing house products	—	—	—	—	—	—	—	—	—	—	—	—
22	Other animal products	—	—	—	—	—	—	—	—	—	—	—	—
23	Total	—	27	1,542	—	—	—	—	—	—	—	—	—
	Mine products:												
24	Coal, anthracite	—	—	—	—	—	—	—	—	—	—	—	10,043
25	Coal, bituminous	4,711	7,340	8,127	—	—	—	—	—	—	—	—	4,380,622
26	Coke	3,635	—	—	400	—	5,709	—	—	—	—	—	37,444
27	Iron ore and concentrates	—	—	1,859,499	—	—	—	—	—	—	—	—	2,431,985
28	Copper ore and concentrates	—	—	—	—	—	—	—	—	—	—	—	—
29	Other ores and concentrates	15,643	8,372	9,745	—	—	—	—	1,380	—	—	—	8,559
30	Petroleum, crude (Foreign)	—	—	—	—	—	—	—	—	3,600	4,200	—	128,785
31	Petroleum, crude (Canadian)	—	—	—	—	—	—	—	—	—	—	—	189,226
32	Sand, gravel and stone	51,770	3,837	439,386	—	—	—	—	—	—	—	—	—
33	Limestone	—	—	—	—	—	—	—	—	—	—	—	20,468
34	Salt	—	24,860	—	—	—	—	—	—	—	—	—	123,778
35	Other mine products	14,751	—	26,933	—	—	—	—	—	—	—	—	58,028
36	Total	90,510	44,409	2,343,690	400	—	5,709	—	1,380	3,800	4,200	—	7,388,938
	Forest products:												
37	Pulpwood	216,756	145,926	158,992	—	—	—	—	—	—	—	—	—
38	Logs, posts, poles, pitprops, piling	—	—	—	—	—	—	—	—	—	—	—	—
39	Lumber, timber, cooperage stock	—	—	—	—	—	—	—	—	—	—	—	—
40	Firewood, hogged fuel	—	—	—	—	—	—	—	—	—	—	—	—
41	Other forest products	—	—	—	—	—	—	—	—	—	—	—	—
42	Total	216,756	145,926	158,992	—	—	—	—	—	—	—	—	—
	Manufactures and miscellaneous:												
43	Gasoline	209,765	28,975	—	—	—	—	—	—	17,992	52,878	—	23,000
44	Fuel oil	220,839	173,430	—	—	—	—	—	—	42,640	133,981	—	358,673
45	Petroleum oils and other petroleum products	106,616	47,762	7,000	—	—	—	1,200	99,173	56,951	—	—	11,116
46	Iron, pig and bloom	—	—	15,511	—	—	—	—	—	4,867	—	—	—
47	Iron and steel, bar, sheet, structural, pipe	4,474	35,786	1,605	—	—	—	—	—	—	11,521	—	34,343
48	Iron and steel, other	725	—	—	—	—	—	—	—	—	—	—	3,515
49	Scrap, iron and steel	2,750	2,800	78,854	—	—	—	—	1,128	2,500	1,625	—	77,280
50	Metals and alloys	—	—	34,116	—	—	—	—	1,589	—	—	—	—
51	Agricultural implements	—	—	—	—	—	—	—	—	—	—	—	—
52	Autos, trucks and parts	2,639	115	—	—	—	—	—	—	—	—	—	2
53	Machines, machinery and parts	700	—	—	—	—	—	—	—	180	—	—	—
54	Fertilizers, all kinds	2,650	—	—	—	—	—	—	—	—	—	—	—
55	Chemicals and chemical products	1,880	16,741	1,582	9,740	—	6,984	—	1,400	28,139	92,706	2,200	2,120
56	Cement, bricks, lime and plaster	28,707	53,636	18,723	—	—	—	—	—	—	177,197	—	—
57	Wood pulp	8,428	—	11,192	19,446	—	—	—	—	—	—	—	—
58	Newsprint paper	—	—	411,942	2,367	—	—	—	—	31,773	—	—	20
59	Paperboard, pulpboard, wallboard	—	—	—	—	—	—	—	—	—	—	—	—
60	Other manufactured wood products	—	1,381	—	—	—	—	—	—	—	—	—	—
61	Sugar	—	3,524	—	—	—	—	—	—	44,612	—	1,325	—
62	Sulphur, natural or synthetic	1,975	—	56,484	—	—	—	—	—	—	—	—	49,168
63	Beverages	—	—	—	—	—	—	—	—	—	—	—	—
64	Other manufactured products	9,432	3,814	7,260	—	—	1,729	—	811	39,746	93,408	10	2,867
65	Total	601,380	367,964	644,269	31,553	—	8,713	—	6,128	311,642	620,267	3,535	562,104
66	Other freight	241,308	83,282	4,948	—	—	15,754	—	33,144	454	5,353	—	4,680
67	Grand total	1,185,857	6,155,677	3,153,641	31,933	—	62,943	—	49,765	315,896	1,032,761	3,535	8,591,333

TABLE 16. Freight Carried through Welland Ship Canal by Country of Loading and Unloading of Cargo, by Commodity

United States to United Kingdom		United States to Other Countries		United Kingdom to Canada		United Kingdom to United States		Other Countries to Canada		Other Countries to United States		Total		Grand Total		Compared with 1957		No.		
Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease			
cargo tons																				
-	1,050	-	-	-	-	-	-	-	-	-	-	17,021	3,613,240	3,630,261	2,763,745	866,516	-	1		
-	9,082	-	-	-	-	-	-	-	-	-	-	-	-	-	405,471	261,380	144,091	-	2	
-	-	-	-	-	-	-	-	-	-	-	-	1,471	355,159	356,630	236,716	119,914	-	3		
-	-	-	2,820	-	-	-	-	-	-	-	-	14,661	1,321,514	1,336,175	763,249	572,926	-	4		
-	-	-	1,387	-	-	-	-	-	-	-	-	2,165	96,315	98,480	24,886	73,594	-	5		
-	1,666	-	1,456	-	-	-	-	-	-	-	-	-	355,961	355,961	600,408	-	244,447	6		
-	-	-	1,893	-	-	-	-	-	-	-	-	-	399,789	399,789	370,818	28,971	-	7		
-	-	-	-	-	-	-	-	-	-	-	-	-	8,493	8,493	3,474	5,019	-	8		
-	1,880	-	-	-	-	-	-	-	-	-	-	-	4,348	4,348	9,820	-	5,472	9		
-	-	-	-	-	-	-	-	-	-	-	-	685	20,362	21,047	12,341	8,706	-	10		
-	-	-	-	-	-	-	-	-	-	-	-	200	16,682	16,862	5,637	11,245	-	11		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13		
-	-	-	657	-	-	-	-	-	-	-	-	-	19,078	19,078	1,440	17,638	-	14		
-	13,678	-	8,213	-	-	-	-	-	-	-	-	36,203	6,616,412	6,652,615	5,053,814	1,598,701	-	15		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17		
-	-	-	-	-	-	-	-	-	-	-	-	1,542	27	1,569	2,956	-	1,387	18		
-	-	-	-	-	-	-	-	-	-	-	-	881	881	881	3,306	-	2,425	19		
-	-	-	685	-	-	-	-	-	-	-	-	-	685	685	12,063	-	11,378	20		
-	1,100	-	4,240	-	-	-	-	-	-	-	-	-	1,100	1,100	-	1,100	-	21		
-	-	-	-	-	-	-	-	-	-	-	-	5,758	4,240	9,998	5,410	4,588	-	22		
-	1,100	-	4,925	-	-	-	-	-	-	-	-	6,639	9,181	6,052	14,233	23,735	-	9,502	23	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24		
-	-	-	-	-	-	-	-	-	-	-	-	-	10,043	10,043	-	10,043	-	25		
-	-	-	-	-	-	-	-	-	-	-	-	12,838	4,387,962	4,400,800	5,503,375	-	1,102,575	26		
-	-	-	1,600	-	-	-	-	-	-	-	-	3,635	45,153	48,788	48,046	742	-	27		
-	-	-	-	-	-	-	-	-	-	-	-	1,659,499	2,431,985	4,291,464	5,483,746	-	1,192,262	28		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29		
-	-	-	-	-	-	-	-	-	-	-	-	11,759	37,147	18,311	55,458	68,268	-	12,808	30	
-	-	-	-	-	-	-	-	-	-	-	-	-	3,800	132,985	136,785	385,645	-	248,860	31	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	189,226	189,226	562,095	-	372,869	32	
-	-	-	-	-	-	-	-	-	-	-	-	-	491,156	3,837	494,993	149,833	345,160	-	33	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	20,468	20,468	12,033	8,435	-	34	
-	-	-	-	-	-	-	-	-	-	-	-	-	148,638	148,638	137,360	11,278	-	35		
-	-	-	-	-	-	-	18,320	-	-	-	-	60,004	58,028	118,032	111,680	6,352	-	36		
-	-	-	1,600	-	-	-	18,320	-	11,759	-	-	2,468,079	7,446,636	9,914,715	12,462,079	-	2,547,364	37		
-	-	-	-	-	-	-	-	-	-	-	-	1,750	377,498	145,926	523,424	561,216	-	37,792	38	
-	-	-	-	-	-	-	-	-	-	-	-	805	805	805	-	805	-	39		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41		
-	-	-	-	-	-	-	-	-	-	-	-	2,555	378,303	145,826	524,229	561,216	-	36,987	42	
-	-	-	-	-	-	-	-	-	-	-	-	-	227,757	104,853	332,610	352,456	-	19,846	43	
-	-	-	-	-	-	-	-	-	-	-	-	-	263,279	666,084	929,383	994,732	-	65,369	44	
-	-	-	-	-	-	-	-	-	-	-	-	2,851	215,640	117,029	332,669	489,216	-	156,547	45	
-	-	-	-	-	-	-	-	-	-	-	-	-	20,398	20,398	191,422	-	171,024	46		
-	-	-	-	-	-	-	-	-	-	-	-	1,375	22,378	81,850	104,028	94,228	9,800	-	47	
-	-	-	-	-	-	-	-	-	-	-	-	-	1,447	3,515	5,687	2,520	3,167	-	48	
-	-	-	1,303	-	-	-	2,279	-	-	-	-	-	86,383	84,136	170,519	297,852	-	127,333	49	
-	-	-	-	-	-	-	-	-	-	-	-	-	34,116	1,589	35,705	10,241	25,464	-	50	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	112	51	
-	-	-	241	-	-	-	3,986	-	-	-	-	430	7,055	358	7,413	5,525	1,888	-	52	
-	-	-	-	-	-	-	-	-	-	-	-	-	880	-	880	350	530	-	53	
-	-	-	-	-	-	-	-	-	-	-	-	-	2,650	-	2,650	800	1,850	-	54	
-	154	-	-	-	-	-	-	-	-	-	-	-	33,601	129,845	163,646	133,984	29,662	-	55	
-	-	-	-	-	-	-	-	-	-	-	-	-	5,286	52,716	230,833	283,549	179,095	104,454	-	56
-	-	-	-	-	-	-	-	-	-	-	-	-	21,389	41,009	60,455	49,980	10,475	-	57	
-	-	-	-	-	-	-	-	-	-	-	-	-	20	443,735	2,394	446,129	453,974	-	7,845	58
-	7	-	-	-	-	-	-	-	-	-	-	-	55	55	55	-	55	-	59	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	1,366	-	60	
-	-	-	-	-	-	-	-	-	-	-	-	4,716	59,381	3,524	62,905	63,349	-	444	61	
-	-	-	-	-	-	-	-	-	-	-	-	-	58,459	49,166	107,627	56,699	50,926	-	62	
-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	-	58	-	63	
-	916	-	-	-	-	-	1,300	-	-	-	-	-	57,748	103,545	181,293	53,035	108,258	-	64	
-	1,077	-	1,544	-	-	-	7,565	-	8,942	-	52,337	1,629,670	1,599,360	3,229,020	3,429,585	-	200,565	65		
-	69,338	-	242,680	-	-	-	44,781	-	5,883	-	187,777	485,151	454,231	939,382	842,009	97,373	-	66		
-	85,193	-	258,962	-	-	-	70,668	-	28,584	-	249,308	5,905,587	16,268,007	21,274,194	22,372,538	-	1,098,344	67		

TABLE 17. Freight Carried through St. Lawrence Canals by Country of Loading and Unloading of Cargo, by Commodity

No.	Commodity	Canada to Canada		Canada to United States		Canada to United Kingdom		Canada to Other Countries		United States to United States		United States to Canada	
		Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
		cargo tons											
	Agricultural products:												
1	Wheat	—	2,760,889	—	—	—	13,136	—	865	—	—	—	8,207
2	Corn	—	145,886	—	—	—	—	—	364	—	—	—	107,436
3	Oats	1,553	256,506	—	—	—	1,469	—	—	—	—	—	—
4	Barley	1,683	1,011,088	—	—	—	11,539	—	—	—	—	—	—
5	Rye	—	42,704	—	—	—	—	—	—	—	—	—	5,988
6	Flaxseed	—	326,035	—	—	—	1,269	—	1,607	—	—	—	—
7	Soyabbeans	—	80,634	—	—	—	1,097	—	—	—	—	—	—
8	Grain screenings	1,800	6,730	—	—	—	—	—	—	—	—	—	—
9	Other grain	—	4,716	—	—	—	—	—	—	—	—	—	—
10	Flour	—	4,709	—	—	—	9,857	—	5,080	—	—	—	—
11	Other mill products	—	10,441	—	—	—	2,811	—	—	—	—	—	—
12	Hay and straw	—	—	—	—	—	—	—	—	—	—	—	—
13	Fruit and vegetables	75	—	—	—	—	—	—	—	—	—	—	—
14	Other agricultural products	—	14,338	—	—	—	4,800	—	—	—	—	—	—
15	Total	5,111	4,664,676	—	—	—	45,978	—	7,916	—	—	—	121,631
	Animals and animal products:												
16	Cattle and calves	—	—	—	—	—	—	—	—	—	—	—	—
17	Other live animals and live poultry	—	—	—	—	—	—	—	—	—	—	—	—
18	Fish	238	—	1,542	—	—	—	—	—	—	—	—	—
19	Dressed meats	—	—	—	—	—	—	—	—	—	—	—	—
20	Dairy products	—	—	—	—	—	—	—	—	650	—	—	—
21	Other packing house products	—	—	—	—	—	—	—	—	—	—	—	—
22	Other animal products	1,567	—	—	—	—	144	—	—	—	—	—	—
23	Total	1,803	—	1,542	—	—	144	—	—	650	—	—	—
	Mine products:												
24	Coal, anthracite	3,100	—	—	—	—	—	—	—	—	—	—	7,806
25	Coal, bituminous	204,535	2,900	—	—	—	—	—	—	—	—	—	820,926
26	Coke	—	513	—	—	—	5,009	—	—	—	—	—	24,854
27	Iron ore and concentrates	202,536	—	1,323,573	—	—	—	—	—	—	—	—	—
28	Copper ore and concentrates	—	—	—	—	—	—	—	—	—	—	—	—
29	Other ores and concentrates	15,643	8,372	9,745	—	—	—	—	1,380	—	—	—	1,459
30	Petroleum, crude (Foreign)	—	—	—	—	—	—	—	—	—	—	—	—
31	Petroleum, crude (Canadian)	244,935	3,000	—	—	—	—	—	—	—	—	—	—
32	Sand, gravel and stone	2,531	198,162	—	—	—	—	—	—	—	—	—	—
33	Limestone	—	1,884	—	—	—	—	—	—	—	—	—	7,745
34	Salt	—	13,345	—	—	—	—	—	—	—	—	—	101,181
35	Other mine products	74,206	—	41,889	—	—	—	—	—	—	215	—	18,259
36	Total	747,466	228,176	1,375,207	—	—	5,009	—	1,380	—	215	—	982,230
	Forest products:												
37	Pulpwood	214,050	—	232,298	—	—	—	—	—	—	—	—	—
38	Logs, posts, poles, pitprops, piling	—	83	—	—	—	—	—	—	—	—	—	—
39	Lumber, timber, cooperage stock	38,401	720	—	—	—	—	—	—	—	—	—	—
40	Firewood, hogged fuel	—	—	—	—	—	—	—	—	—	—	—	—
41	Other forest products	210	—	—	—	—	—	—	—	—	—	—	—
42	Total	252,661	803	232,298	—	—	—	—	—	—	—	—	—
	Manufactures and miscellaneous:												
43	Gasoline	3,200	32,210	—	—	—	—	—	—	—	—	—	1,400
44	Fuel oil	471,287	11,717	39,880	—	—	—	—	—	24,481	—	—	—
45	Petroleum oils and other petroleum products	122,055	41,236	7,000	—	—	—	—	—	2,000	—	—	1,318
46	Iron, pig and bloom	—	11,194	13,746	—	—	—	—	—	—	—	—	—
47	Iron and steel, bar, sheet, structural, pipe	28,586	22,345	—	—	—	—	—	—	200	—	—	30,243
48	Iron and steel, other	790	696	7,550	—	—	—	—	—	—	—	—	2,640
49	Scrap, iron and steel	1,735	2,800	36,333	—	—	—	—	6,035	—	—	—	4,794
50	Metals and alloys	1,158	—	34,116	—	—	—	—	1,589	—	—	—	—
51	Agricultural implements	—	—	—	—	—	—	—	—	—	—	—	—
52	Autos, trucks and parts	1,510	526	—	—	—	55	—	331	—	—	—	—
53	Machines, machinery and parts	1,443	444	—	—	—	—	—	—	325	—	300	—
54	Fertilizers, all kinds	2,650	—	—	—	—	—	—	—	—	—	—	—
55	Chemicals and chemical products	1,680	2,961	—	—	—	6,984	—	3,261	—	—	—	—
56	Cement, bricks, lime and plaster	—	44,871	—	—	—	—	—	—	—	—	—	—
57	Wood pulp	8,428	—	12,289	—	—	923	—	—	—	—	—	—
58	Newsprint paper	—	10	250,096	—	—	—	—	—	—	—	—	20
59	Paperboard, pulpboard, wallboard	2,070	—	—	—	—	—	—	—	—	—	—	—
60	Other manufactured wood products	—	940	—	—	—	—	—	—	—	—	—	—
61	Sugar	23,052	—	—	—	—	—	—	—	—	—	—	—
62	Sulphur, natural or synthetic	21,796	—	56,484	—	—	—	—	—	—	—	—	—
63	Beverages	—	—	—	—	—	—	—	—	—	—	—	—
64	Other manufactured products	22,450	12,459	900	—	—	7,334	—	1,418	—	1,300	—	43
65	Total	713,890	184,409	458,394	—	—	15,296	—	12,634	525	27,781	300	40,456
66	Other freight	345,372	300,268	5,540	—	—	39,987	—	64,139	—	—	14,139	2,149
67	Grand total	2,066,323	5,378,332	2,072,981	—	—	106,414	—	86,069	525	28,431	14,654	1,146,466

TABLE 17. Freight Carried through St. Lawrence Canals by Country of Loading and Unloading of Cargo, by Commodity

United States to United Kingdom		United States to Other Countries		United Kingdom to Canada		United Kingdom to United States		Other Countries to Canada		Other Countries to United States		Total		Grand Total		Compared with 1957		No.	
Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease		
cargo tons																			
1,050	9,082												2,784,147	2,784,147	2,085,263	698,884		1	
													262,768	262,768	162,040	80,728		2	
			4,452									1,553	257,975	259,528	157,684	101,844		3	
			1,387									1,683	1,027,079	1,026,762	494,524	534,238		4	
1,666			1,456										50,079	50,079	11,296	38,783		5	
			1,893										332,033	332,033	518,807		186,774	6	
													83,624	83,624	33,172	50,452		7	
1,880												1,800	6,730	8,530	4,044	4,488		8	
													6,596	6,596	4,986	1,610		9	
													19,646	19,646	18,604	1,042		10	
													13,252	13,252	4,368	8,884		11	
			200															12	
												75	200	275		275		13	
													19,138	19,138	7,804	11,334		14	
13,678		9,388										5,111	4,863,267	4,868,378	3,522,592	1,345,786		15	
																		16	
															357		357	17	
												1,778		1,778	3,018		1,240	18	
			1,342								881	881		661	3,306		2,425	19	
													1,992	1,992	1,736		256	20	
1,100			4,240										1,100	1,100		1,100		21	
										4,348		5,915	4,384	10,299	7,515	2,784		22	
1,100		5,582								5,229		8,574	7,478	16,050	15,932	118		23	
													3,100	7,806	10,906	10,906		24	
			1,600										204,535	823,826	1,028,361	1,642,773	614,412	25	
														31,976	31,976	22,497	9,479	26	
												1,526,109		1,526,109	2,497,045		970,936	27	
															1,250		1,250	28	
													11,759		68,077		19,719	29	
																		30	
																		31	
																186,536		151,407	32
																		33	
																		34	
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916																		64	
1,349		1,746	7,851		7,567		20,126		54,435		1,263,088	283,671	1,546,759	1,936,884		390,125		65	
67,365		244,333	84,275		44,996		84,904		187,919		747,145	716,241	1,465,386	1,300,326	165,060			66	
83,492		262,649	77,216		70,883		118,029		249,634		4,670,247	7,091,853	11,762,100	12,191,492		429,392		67	

TABLE 18. Freight Carried through Ottawa River Canals by Country of Loading and Unloading, by Commodity

Commodity	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957		
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease	
cargo tons															
Mine products:															
Sand, gravel and stone	-	189,980	-	-	-	-	-	-	-	-	189,980	189,980	356,400	-	166,420
Total	-	189,980	-	-	-	-	-	-	-	-	189,980	189,980	356,400	-	166,420
Manufactures and miscellaneous:															
Machines, machinery and parts	-	-	-	-	-	-	-	-	-	-	-	-	240	-	240
Total	-	-	-	-	-	-	-	-	-	-	-	-	240	-	240
Grand total	-	189,980	-	-	-	-	-	-	-	-	189,980	189,980	356,640	-	166,660

TABLE 19. Freight Carried through Richelieu River Canal by Country of Loading and Unloading, by Commodity

Commodity	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
cargo tons														
Mine products:														
Coal, bituminous	-	-	-	-	-	-	-	618	-	618	618	3,153	-	2,535
Other mine products	-	-	-	-	-	-	-	215	-	215	215	-	215	-
Total	-	-	-	-	-	-	-	833	-	833	833	3,153	-	2,320
Manufactures and miscellaneous:														
Fertilizers, all kinds	41,130	-	-	-	-	-	-	5,986	41,130	5,986	47,116	53,555	-	6,439
Chemicals and chemical products	4,450	-	-	-	-	-	-	-	4,450	-	4,450	8,625	-	4,175
Newsprint paper	-	-	25,377	-	-	-	-	-	25,377	-	25,377	26,589	-	1,212
Other manufactured wood products	-	-	-	-	-	-	-	-	-	-	-	950	-	950
Sulphur, natural or synthetic	10,600	-	-	-	-	-	-	-	10,600	-	10,600	1,050	9,550	-
Other manufactured products	-	5,260	-	356	-	-	-	-	-	5,616	5,616	8,266	-	2,650
Total	56,180	5,260	25,377	356	-	-	-	5,986	81,557	11,602	93,159	99,035	-	5,876
All other freight	-	-	-	-	-	-	-	14,139	-	14,139	14,139	10,178	3,961	-
Grand total	56,180	5,260	25,377	356	-	-	-	20,958	81,557	26,574	108,131	112,366	-	4,235

TABLE 20. Freight Carried through Rideau Canal by Country of Loading and Unloading, by Commodity

Commodity	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
cargo tons														
Mine products:														
Coal, bituminous	-	26	-	-	-	-	-	-	-	26	26	10	16	-
Sand, gravel and stone	-	-	-	-	-	-	-	-	-	-	-	50	-	50
Other mine products	-	-	-	-	-	-	-	-	-	-	-	5,550	-	5,550
Total	-	26	-	-	-	-	-	-	-	26	26	5,610	-	5,584
Forest products:														
Logs, posts, poles, pitprops, piling ...	-	-	-	-	-	-	-	-	-	-	-	10	-	10
Lumber, timber, cooperage stock ...	10	-	-	-	-	-	-	-	10	-	10	185	-	175
Total	10	-	-	-	-	-	-	-	10	-	10	195	-	185
Manufactures and miscellaneous:														
Gasoline	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Petroleum oils and other petroleum products	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Machines, machinery and parts	15	10	-	-	-	-	-	-	15	10	25	30	-	5
Other manufactured products	-	3	-	-	-	-	-	-	-	3	3	4	-	1
Total	15	13	-	-	-	-	-	-	15	13	28	36	-	8
All other freight	12	-	-	-	-	-	-	-	12	-	12	3	9	-
Grand total	37	39	-	-	-	-	-	-	37	39	76	5,844	-	5,768

TABLE 21. Freight Carried through Trent Canal by Country of Loading and Unloading, by Commodity

Commodity	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
	cargo tons													
Manufactures and miscellaneous:														
Gasoline.....	12	13	-	-	-	-	-	-	12	13	25	25	-	-
Petroleum oils and other petroleum products	8	12	-	-	-	-	-	-	8	12	20	19	1	-
Other manufactured products.....	20	10	-	-	-	-	-	-	20	10	30	30	-	-
Total.....	40	35	-	-	-	-	-	-	40	35	75	74	1	-
Grand total.....	40	35	-	-	-	-	-	-	40	35	75	74	1	-

TABLE 22. Freight Carried through Murray Canal by Country of Loading and Unloading, by Commodity

Commodity	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
	cargo tons													
Mine products:														
Sand, gravel and stone.....	-	-	-	-	-	-	-	-	-	-	-	600	-	600
Total.....	-	-	-	-	-	-	-	-	-	-	-	600	-	600
Manufactures and miscellaneous:														
Petroleum oils and other petroleum products	1	-	-	-	-	-	-	-	1	-	1	-	1	-
Iron and steel.....	350	-	-	-	-	-	-	-	350	-	350	-	350	-
Machines, machinery and parts.....	24	-	-	-	-	-	-	-	24	-	24	190	-	166
Other manufactured products.....	8	-	-	-	-	-	-	-	8	-	8	-	8	-
Total.....	383	-	-	-	-	-	-	-	383	-	383	190	193	-
Grand total.....	383	-	-	-	-	-	-	-	383	-	383	790	-	407

TABLE 23. Freight Carried through St. Andrew's Canal by Country of Loading and Unloading, by Commodity

Commodity	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
	cargo tons													
Agricultural products:														
Other grain.....	3	-	-	-	-	-	-	-	3	-	3	-	3	-
Flour.....	-	75	-	-	-	-	-	-	-	75	75	203	-	128
Other mill products.....	-	3	-	-	-	-	-	-	-	3	3	-	3	-
Hay and straw.....	-	44	-	-	-	-	-	-	-	44	44	25	19	-
Fruit and vegetables.....	-	4	-	-	-	-	-	-	-	4	4	25	-	21
Total.....	3	126	-	-	-	-	-	-	3	126	129	253	-	124
Animals and animal products:														
Fish.....	2,398	-	-	-	-	-	-	-	2,398	-	2,398	1,900	498	-
Dressed meats.....	-	4	-	-	-	-	-	-	-	4	4	24	-	20
Other packing house products.....	-	-	-	-	-	-	-	-	-	-	-	3	-	3
Other animal products.....	-	-	-	-	-	-	-	-	-	-	-	4	-	4
Total.....	2,398	4	-	-	-	-	-	-	2,398	4	2,402	1,931	471	-
Mine products:														
Coal, bituminous.....	-	4	-	-	-	-	-	-	-	4	4	1	3	-
Total.....	-	4	-	-	-	-	-	-	-	4	4	1	3	-
Forest products:														
Lumber, timber, cooperage stock.....	2	87	-	-	-	-	-	-	2	87	69	622	-	533
Firewood, hogged fuel.....	-	5	-	-	-	-	-	-	-	5	5	-	5	-
Total.....	2	92	-	-	-	-	-	-	2	92	94	622	-	528
Manufactures and miscellaneous:														
Gasoline.....	5	889	-	-	-	-	-	-	5	889	874	1,112	-	238
Fuel oil.....	-	-	-	-	-	-	-	-	-	-	-	7	-	7
Petroleum oils and other petroleum products	-	1	-	-	-	-	-	-	-	1	1	10	-	9
Iron and steel, bar, sheet, structural, pipe..	-	5	-	-	-	-	-	-	-	5	5	81	-	76
Agricultural implements.....	-	-	-	-	-	-	-	-	-	-	-	2	-	2
Autos, trucks and parts.....	-	2	-	-	-	-	-	-	-	2	2	10	-	8
Machines, machinery and parts.....	2	29	-	-	-	-	-	-	2	29	31	30	1	-
Chemicals and chemical products.....	-	20	-	-	-	-	-	-	-	20	20	33	-	13
Cement, bricks, lime and plaster.....	-	21	-	-	-	-	-	-	-	21	21	81	-	60
Sugar.....	-	1	-	-	-	-	-	-	-	1	1	23	-	22
Beverages.....	-	35	-	-	-	-	-	-	-	35	35	117	-	82
Other manufactured products.....	83	459	-	-	-	-	-	-	63	459	522	812	-	90
Total.....	70	1,442	-	-	-	-	-	-	70	1,442	1,512	2,118	-	606
All other freight.....	169	360	-	-	-	-	-	-	169	360	529	544	-	15
Grand total.....	2,642	2,028	-	-	-	-	-	-	2,642	2,028	4,670	5,480	-	700

TABLE 24. Freight Carried through St. Peter's Canal by Country of Loading and Unloading, by Commodity

Commodity	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
cargo tons														
Agricultural products:														
Fruit and vegetables	53	—	—	—	—	—	—	—	53	—	53	333	—	280
Total	53	—	—	—	—	—	—	—	53	—	53	333	—	280
Animals and animal products:														
Fish	67	747	—	—	—	—	—	—	67	747	814	1,425	—	611
Total	67	747	—	—	—	—	—	—	67	747	814	1,425	—	611
Mine products:														
Coal, bituminous	—	6	—	—	—	—	—	—	—	6	6	20	—	14
Salt	290	—	—	—	—	—	—	—	290	—	290	520	—	230
Total	290	6	—	—	—	—	—	—	290	6	296	540	—	244
Forest products:														
Pulpwood	—	—	—	—	—	—	—	—	—	—	—	1,800	—	1,800
Lumber, timber, cooperage stock ..	—	8	—	—	—	—	—	—	—	8	8	—	8	—
Firewood, hogged fuel	—	—	—	—	—	—	—	—	—	—	—	75	—	75
Total	—	8	—	—	—	—	—	—	—	8	8	1,875	—	1,867
Manufactures and miscellaneous:														
Cement, bricks, lime and plaster ..	—	87	—	—	—	—	—	—	—	87	87	—	87	—
Other manufactured products	122	—	—	—	—	—	—	—	122	—	122	136	—	14
Total	122	87	—	—	—	—	—	—	122	87	209	136	73	—
All other freight	331	—	—	—	—	—	—	—	331	—	331	332	—	1
Grand total	863	848	—	—	—	—	—	—	863	848	1,711	4,641	—	2,930

TABLE 25. Freight Carried through Canso Canal by Country of Loading and Unloading, by Commodity

Commodity	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
cargo tons														
Agricultural products:														
Flour	—	—	—	876	—	—	—	—	—	876	876	107	—	769
Other mill products	—	—	—	980	—	—	—	—	—	980	980	—	—	980
Fruit and vegetables	—	901	—	9,372	—	—	—	—	—	10,273	10,273	18,203	—	7,930
Total	—	901	—	11,228	—	—	—	—	—	12,129	12,129	18,310	—	6,181
Animals and animal products:														
Cattle and calves	—	50	—	—	—	—	—	—	—	50	50	70	—	20
Other live animals and live poultry ..	—	50	—	80	—	—	—	—	—	130	130	200	—	70
Fish	71	9,043	—	2,856	—	—	—	—	71	11,899	11,970	12,516	—	546
Dairy products	—	—	—	—	—	550	—	—	—	550	550	—	550	—
Other animal products	—	535	—	—	—	—	—	—	—	535	535	245	290	—
Total	71	9,678	—	2,936	—	550	—	—	71	13,164	13,235	13,031	204	—
Mine products:														
Coal, bituminous	30	—	—	—	—	—	—	—	30	—	30	570	—	540
Iron ore and concentrates	—	—	—	—	—	—	—	—	—	—	—	4,307	—	4,307
Copper ore and concentrates	—	—	—	—	—	—	—	—	—	—	—	15,124	—	15,124
Other ores	4,000	—	—	4,000	—	—	4,440	—	8,440	4,000	12,440	—	12,440	—
Salt	125	10	—	94	—	—	—	—	125	104	229	270	—	41
Other mine products	21,513	—	—	—	—	—	—	—	21,513	—	21,513	43,965	—	22,452
Total	25,668	10	—	4,094	—	4,440	—	—	30,108	4,104	34,212	64,236	—	30,024
Forest products:														
Pulpwood	7,000	3,500	—	12,243	—	—	—	—	7,000	15,743	22,743	22,028	715	—
Lumber, timber, cooperage stock ..	—	—	—	—	829	—	—	—	829	—	829	593	236	—
Firewood, hogged fuel	—	—	—	—	—	—	—	—	—	—	—	360	—	360
Other forest products	—	—	—	2	—	—	—	—	—	2	2	—	2	—
Total	7,000	3,500	—	12,245	829	—	—	—	7,829	15,745	23,574	22,981	593	—
Manufactures and miscellaneous:														
Gasoline	131,658	69,848	—	—	—	—	—	—	131,658	69,848	201,506	120,006	81,500	—
Fuel oil	173,490	8,018	—	—	—	—	—	—	173,490	8,018	181,508	68,816	112,692	—
Petroleum oils and other petroleum products	6,250	2,114	—	—	—	—	—	—	6,250	2,114	8,364	10,757	—	2,393
Iron and steel, bar, sheet, structural, pipe	—	850	—	—	—	—	—	—	—	850	850	3,150	—	2,300
Metals and alloys	—	—	—	460	—	—	—	—	—	460	460	—	460	—
Machines, machinery and parts	—	—	—	—	—	—	—	—	—	—	—	100	—	100
Chemicals, and chemical products ..	—	450	—	—	—	—	—	—	—	450	450	4,300	—	3,850
Cement, bricks, lime and plaster ..	—	21,148	—	—	—	—	—	—	—	21,148	21,148	22,946	—	1,798
Wood pulp	—	—	—	—	—	—	—	—	—	—	—	2,716	—	2,716
Newsprint paper	—	—	—	—	—	—	—	—	—	—	—	870	—	870
Other manufactured wood products ..	—	—	—	—	—	—	—	—	—	—	—	3	—	3
Sugar	—	—	—	—	3,734	—	5,250	—	8,984	—	8,984	6,130	2,854	—
Sulphur, natural or synthetic	—	—	—	—	—	—	—	—	—	—	—	6,351	—	6,351
Beverages	—	—	—	—	—	—	—	—	—	—	—	86	—	86
Other manufactured products	2,558	75	—	—	—	—	108	—	2,666	75	2,741	1,714	1,027	—
Total	313,956	102,503	—	460	3,734	—	5,358	—	323,048	102,963	426,011	249,945	176,066	—
Other freight	1,863	714	—	9,656	43	4,087	1,082	—	2,988	14,457	17,445	27,292	—	9,847
Grand total	348,558	117,306	—	40,619	4,606	4,637	10,880	—	364,044	182,562	526,606	395,795	130,811	—

TABLE 26. Number of Passengers Carried Through Canals by Port of Origin and Port of Destination

Canal	Canada to Canada		Canada to United States		United States to United States		United States to Canada		Total		Grand total		Compared with 1957	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	1958	1957	Increase	Decrease
Sault Ste. Marie	2,946	4,308	-	1,349	9,986	119,791	1,349	-	14,281	125,448	139,729	96,360	43,369	-
Welland Ship	-	-	425	-	860	1,149	-	438	1,285	1,587	2,872	738	2,134	-
St. Lawrence	4	5	-	834	1,180	348	13	-	1,197	1,187	2,384	141	2,243	-
Ottawa River	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Richelieu River	9	4	26	-	3	-	-	30	38	34	72	145	-	73
Rideau	144	203	-	-	-	-	-	-	144	203	347 ¹	858	-	511
Trent	-	-	-	-	-	-	-	-	-	-	- ²	-	-	-
Murray	13	10	-	-	-	-	-	-	13	10	23	27	-	4
St. Andrew's	-	-	-	-	-	-	-	-	-	-	- ³	12	-	12
St. Peter's	37	38	-	17	-	6	24	-	61	61	122	167	-	45
Canso	-	-	-	5	3	5	-	-	3	10	13	16	-	3
Total	3,153	4,568	451	2,205	12,032	121,299	1,386	468	17,022	128,540	145,562	98,464	47,098	-

¹ Exclusive of 19,015 passengers on sight seeing pleasure boat cruises.

² Exclusive of 87,275 passengers carried in pleasure craft.

³ 161,271 passengers carried in small boats.

⁴ 3,245 passengers carried in pleasure craft.

One passenger through one lock station recorded as "1".

TABLE 27. Number of Pleasure Craft Lockages

Canal	1958	1957	Canal	1958	1957
Sault Ste. Marie	524	569	Trent	45,748	34,128
Welland Ship	103	-	Murray	2,201	1,997
St. Lawrence	945	849	St. Andrew's	832	530
Ottawa River	6,610	6,131	St. Peter's	-	4
Richelieu River	-	-	Canso	-	-
Rideau	29,775	27,992	Total	86,738	72,200

TABLE 28. Length of Season of Navigation for Canals

Canals	First vessel passage	Last vessel passage	Number of days used
Sault Ste. Marie	April 8	December 11	248
Welland Ship	April 1	December 18	262
St. Lawrence	April 14	December 19	250
Richelieu River	April 17	November 29	227
St. Peter's	March 31	December 19	264
Murray	April 22	December 4	257
Ottawa River	April 23	November 26	218
Rideau	May 3	October 21	172
Trent	May 12	October 31	173
St. Andrew's	May 13	October 31	172
Canso	March 14	December 25	287

TABLE 29. Location and Description of Canals

Name	Location		Length in miles	Locks			
	From	To		Number	Minimum dimensions in feet		
					Length	Width	Depth
Sault Ste. Marie	St. Mary's Rapids	Sault Ste. Marie	1.38	1	900	60	18.25
Welland Ship	Port Weller	Port Colborne	27.60	8	859	80	23.5
St. Lawrence River:							
Lachine	Montreal	Lachine	8.74	5	270	45	14.25 ¹
Soulanges	Cascades Point	Coteau Landing	14.67	5	280	45	15 ¹
Cornwall	Cornwall	Dickinsons Landing	11.00	6	270	43.67	14.25 ¹
Farran's Point	Farran's Point	Rapide de Farran's Pt.	1.28	1	800	50	16 ¹
Rapide Plat	Rapide Plat	Morrisburg	3.89	2	270	45	14.25 ¹
Galop	Iroquois	Cardinal	7.36	3	270	45	14.25 ¹
Richelieu River:							
St. Ours		St. Ours, Que.	0.12	1	339	45	12
Chambly	Chambly	St. John's Que.	11.76	9	120.5	23.25	6.5
St. Peter's	St. Peter's Bay	Bras d'Or Lakes Cape Breton, N.S.	0.50	1	300	47.4	17
Murray	Isthmus of Murray	Bay of Quinte	7.53	None	—	—	8.5 ²
Ottawa River:							
Ste. 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
Rideau	Ottawa	Kingston	123.53	47	134	33	5.5
	Rideau Lake to	Perth (Tay Branch)	6.82	2	134	33	5.5
Trent	Trenton	Peterborough Lock	88.74	18	175	33	8
	Peterborough Lock	Swift Rapids	135.71	24	134	33	6
	Swift Rapids	Port Severn	16.00	(Marine Ry.)			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	None	—	—	4.5
St. Andrew's	Red River, fifteen miles north of Winnipeg		—	1	215	45	17
Canso	Through the Cape Breton end of the Canso Causeway at Port Hastings, N.S.		0.78	1	820	80	32

¹ Navigable depths occasionally are less due to extreme low water levels.² With Lake Ontario at elevation 243 ft.

TABLE 30. Water Freight Charges on the Great Lakes for Wheat During 1958 and 1957

Fort William — Port Arthur to	1958			1957		
	Average charge per bushel	Average charge per ton	Average charge per ton-mile	Average charge per bushel	Average charge per ton	Average charge per ton-mile
	cents	\$	cents	cents	\$	cents
Montreal:						
April	16.00	5.33	0.434	16.00	5.33	0.434
May	16.00	5.33	0.434	16.00	5.33	0.434
June	16.00	5.33	0.434	16.00	5.33	0.434
July	16.00	5.33	0.434	16.00	5.33	0.434
August	16.00	5.33	0.434	16.00	5.33	0.434
September	16.00	5.33	0.434	16.00	5.33	0.434
October	16.00	5.33	0.434	16.00	5.33	0.434
November	16.00	5.33	0.434	16.00	5.33	0.434
December	—	—	—	—	—	—
Average	16.00	5.33	0.434	16.00	5.33	0.434
Including storage	—	—	—	—	—	—

TABLE 30. Water Freight Charges on the Great Lakes for Wheat — Concluded

Fort William — Port Arthur to	1958			1957		
	Average charge per bushel	Average charge per ton	Average charge per ton-mile	Average charge per bushel	Average charge per ton	Average charge per ton-mile
	cents	\$	cents	cents	\$	cents
Goderich and Georgian Bay ports:						
April	5.50	1.83	0.341	5.50	1.83	0.341
May	5.50	1.83	0.341	5.50	1.83	0.341
June	5.50	1.83	0.341	5.50	1.83	0.341
July	5.50	1.83	0.341	5.50	1.83	0.341
August	5.50	1.83	0.341	5.50	1.83	0.341
September	5.50	1.83	0.341	5.50	1.83	0.341
October	5.50	1.83	0.341	5.50	1.83	0.341
November	5.50	1.83	0.341	5.50	1.83	0.341
December	6.10	2.03	0.378	6.28	2.09	0.389
Average	5.52	1.84	0.343	5.54	1.85	0.345
Including storage	6.00	2.00	0.372	5.90	1.97	0.367
Port Colborne:						
April	7.50	2.50	0.295	7.50	2.50	0.295
May	7.68	2.56	0.302	7.50	2.50	0.295
June	7.50	2.50	0.295	7.50	2.50	0.295
July	7.50	2.50	0.295	7.50	2.50	0.295
August	7.50	2.50	0.295	7.50	2.50	0.295
September	7.53	2.51	0.296	7.50	2.50	0.295
October	7.50	2.50	0.295	7.50	2.50	0.295
November	7.50	2.50	0.295	7.85	2.62	0.309
December	7.97	2.66	0.314	8.50	2.83	0.334
Average	7.58	2.53	0.298	7.59	2.53	0.298
Including storage	7.97	2.66	0.314	7.79	2.60	0.307
Buffalo and other U.S. ports:						
April	8.00	2.67	0.310	—	—	—
May	7.98	2.66	0.309	8.34	2.78	0.323
June	7.63	2.54	0.295	8.34	2.78	0.323
July	—	—	—	8.19	2.73	0.317
August	—	—	—	7.81	2.60	0.302
September	—	—	—	7.60	2.53	0.293
October	8.00	2.67	0.310	8.00	2.67	0.310
November	8.37	2.79	0.324	7.78	2.59	0.300
December	—	—	—	—	—	—
Average	8.03	2.68	0.311	8.09	2.70	0.313
Including storage	—	—	—	8.54	2.85	0.331
Port Colborne to Montreal:						
April	8.50	2.83	0.745	8.50	2.83	0.745
May	8.46	2.82	0.742	8.50	2.83	0.745
June	8.50	2.83	0.745	8.50	2.83	0.745
July	8.50	2.83	0.745	8.50	2.83	0.745
August	8.50	2.83	0.745	8.50	2.83	0.745
September	8.50	2.83	0.745	8.50	2.83	0.745
October	8.50	2.83	0.745	8.74	2.91	0.766
November	8.50	2.83	0.745	8.50	2.83	0.745
December	8.50	2.83	0.745	8.50	2.83	0.745
Average	8.50	2.83	0.745	8.51	2.84	0.747

TABLE 31. Water Freight Charges on the Great Lakes for Barley and Oats

Fort William to Port Arthur	Barley			Oats		
	Average charge per bushel	Average charge per ton	Average charge per ton-mile	Average charge per bushel	Average charge per ton	Average charge per ton-mile
	cents	\$	cents	cents	\$	cents
Montreal:						
April	15.25	6.35	0.517	13.00	7.65	0.623
May	15.25	6.35	0.517	13.00	7.65	0.623
June	15.25	6.35	0.517	13.00	7.65	0.623
July	15.25	6.35	0.517	13.00	7.65	0.623
August	15.25	6.35	0.517	13.00	7.65	0.623
September	15.25	6.35	0.517	13.18	7.75	0.631
October	15.25	6.35	0.517	13.00	7.65	0.623
November	15.25	6.35	0.517	13.00	7.65	0.623
December	—	—	—	—	—	—
Average	15.25	6.35	0.517	13.03	7.66	0.624
Goderich and Georgian Bay ports:						
April	5.25	2.19	0.408	5.00	2.94	0.547
May	5.25	2.19	0.408	5.00	2.94	0.547
June	5.19	2.16	0.402	5.00	2.94	0.547
July	5.25	2.19	0.408	5.00	2.94	0.547
August	5.25	2.19	0.408	5.00	2.94	0.547
September	5.25	2.19	0.408	5.00	2.94	0.547
October	5.26	2.19	0.408	5.00	2.94	0.547
November	5.25	2.19	0.408	5.00	2.94	0.547
December	5.32	2.22	0.413	5.03	2.96	0.551
Average	5.25	2.19	0.408	5.00	2.94	0.547
Port Colborne:						
April	7.25	3.02	0.356	6.75	3.97	0.468
May	7.40	3.08	0.363	6.75	3.97	0.468
June	7.25	3.02	0.356	6.75	3.97	0.468
July	7.25	3.02	0.356	6.75	3.97	0.468
August	7.25	3.02	0.356	6.65	3.91	0.461
September	7.25	3.02	0.356	6.75	3.97	0.468
October	7.25	3.02	0.356	6.75	3.97	0.468
November	7.25	3.02	0.356	6.50	3.82	0.450
December	—	—	—	—	—	—
Average	7.29	3.04	0.358	6.68	3.93	0.463
Buffalo and other U.S. ports:						
April	7.50	3.13	0.363	9.27	5.45	0.632
May	7.51	3.13	0.363	8.35	4.91	0.570
June	7.60	3.17	0.368	6.00	3.53	0.410
July	6.89	2.87	0.333	6.00	3.53	0.410
August	8.15	3.40	0.394	—	—	—
September	5.88	2.45	0.284	—	—	—
October	5.67	2.36	0.274	—	—	—
November	5.88	2.45	0.284	—	—	—
December	—	—	—	—	—	—
Average	6.60	2.75	0.319	7.90	4.65	0.539
Port Colborne to Montreal:						
April	8.00	3.33	0.876	6.25	3.68	0.968
May	8.00	3.33	0.876	6.25	3.68	0.968
June	8.00	3.33	0.876	6.38	3.75	0.987
July	8.00	3.33	0.876	6.75	3.97	1.045
August	8.00	3.33	0.876	6.49	3.82	1.005
September	8.00	3.33	0.876	6.47	3.81	1.003
October	8.04	3.35	0.882	6.47	3.81	1.003
November	8.00	3.33	0.876	6.67	3.92	1.032
December	8.00	3.33	0.876	6.25	3.68	0.968
Average	8.00	3.33	0.876	6.48	3.81	1.003

TABLE 32. Water Freight Charges on the Great Lakes for Flax and Rye

Fort William - Port Arthur to	Flax			Rye		
	Average charge per bushel	Average charge per ton	Average charge per ton-mile	Average charge per bushel	Average charge per ton	Average charge per ton-mile
	cents	\$	cents	cents	\$	cents
Montreal:						
April	17.00	6.07	0.494	-	-	-
May	17.00	6.07	0.494	16.00	5.71	0.465
June	17.00	6.07	0.494	16.00	5.71	0.465
July	17.00	6.07	0.494	-	-	-
August	17.00	6.07	0.494	-	-	-
September	17.00	6.07	0.494	-	-	-
October	17.00	6.07	0.494	16.00	5.71	0.465
November	17.00	6.07	0.494	-	-	-
December	-	-	-	-	-	-
Average	17.00	6.07	0.494	16.00	5.71	0.465
Goderich and Georgian Bay ports:						
April	-	-	-	5.50	1.96	0.365
May	-	-	-	-	-	-
June	-	-	-	-	-	-
July	-	-	-	5.50	1.96	0.365
August	-	-	-	5.50	1.96	0.365
September	-	-	-	-	-	-
October	-	-	-	-	-	-
November	-	-	-	-	-	-
December	-	-	-	-	-	-
Average	-	-	-	5.50	1.96	0.365
Port Colborne:						
April	8.00	2.86	0.337	7.50	2.68	0.316
May	8.38	2.99	0.353	7.50	2.68	0.316
June	8.00	2.86	0.337	7.50	2.68	0.316
July	8.10	2.89	0.341	7.50	2.68	0.316
August	8.00	2.86	0.337	7.50	2.68	0.316
September	8.00	2.86	0.337	7.50	2.68	0.316
October	8.00	2.86	0.337	7.50	2.68	0.316
November	8.00	2.86	0.337	7.50	2.68	0.316
December	-	-	-	-	-	-
Average	8.05	2.87	0.338	7.50	2.68	0.316
Buffalo and other U.S. ports:						
April	-	-	-	-	-	-
May	-	-	-	7.17	2.56	0.297
June	-	-	-	6.78	2.42	0.281
July	-	-	-	7.75	2.77	0.321
August	-	-	-	6.00	2.14	0.248
September	-	-	-	-	-	-
October	-	-	-	-	-	-
November	-	-	-	-	-	-
December	-	-	-	-	-	-
Average	-	-	-	6.95	2.48	0.288
Port Colborne to Montreal:						
April	9.00	3.21	0.845	8.50	3.04	0.800
May	9.00	3.21	0.845	8.50	3.04	0.800
June	9.00	3.21	0.845	8.50	3.04	0.800
July	8.96	3.20	0.842	-	-	-
August	9.00	3.21	0.845	8.50	3.04	0.800
September	8.80	3.14	0.826	8.50	3.04	0.800
October	8.96	3.20	0.842	8.50	3.04	0.800
November	9.00	3.21	0.845	-	-	-
December	-	-	-	-	-	-
Average	8.94	3.19	0.839	8.50	3.04	0.800

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