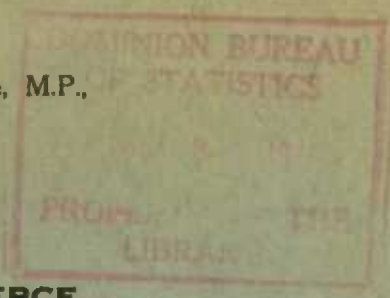


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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
TRANSPORTATION DIVISION

CANAL STATISTICS

FOR THE YEAR ENDED

DECEMBER 31

1948

Prepared in collaboration with the Department of Transport



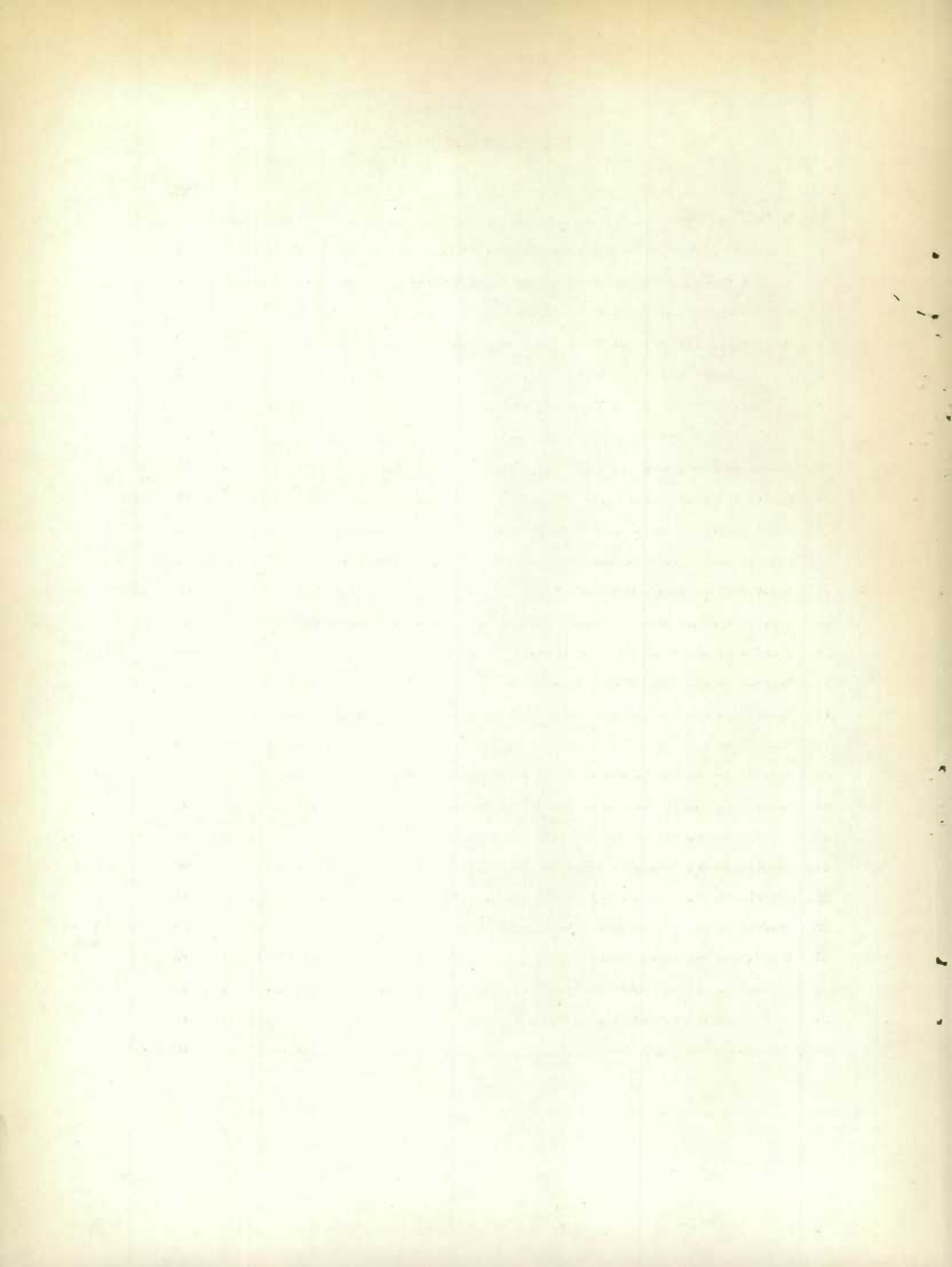
OTTAWA
1949

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DOMINION BUREAU OF STATISTICS
TRANSPORTATION DIVISION
OTTAWA

Dominion Statistician, HERBERT MARSHALL

Director, Transportation Division, G.S. Wrong

20-1300

CANAL STATISTICS

1 9 4 8

Canal Traffic Heavier in 1948

Reflecting increased movements of soft coal, iron ores, other ores, gasoline, barley and flaxseed, the tonnage of all freight passing through the Canadian canal systems during 1948 reached 23,559,313 tons, a gain of 2,045,374 tons or 9.5 per cent above the volume recorded in the 1947 season of navigation. The 1948 tonnage was the second highest for any year since 1916, exceeded only by the 24,636,462 tons attained in 1938.

There were 22,643 passages of vessels through the canals during the year compared with 20,874 in 1947, while the net registered tonnage of the vessels was 23,943,307, an increase of 1,533,348 tons. The Canadian locks at the Sault were in use for 244 days, 6 more than in 1947, while the Welland Ship canal was open 1 day more at 272 days, and the St. Lawrence three days less with 234 days.

In addition to freight and passenger vessels, there were thousands of pleasure craft locked through the canals. Passengers on vessels passing at Sault Ste. Marie totalled 63,707 compared with 53,782 in 1947, indicating a more active tourist season in that region. The Welland Ship Canal reported 5,790 passengers against 5,273 in 1947, while the St. Lawrence had 12,417 compared with 13,430 one year earlier.

The St. Lawrence passenger traffic was all "down bound". In the current edition the former Tables 1 (Canadian Canal Traffic) and 2 (St. Lawrence - Great Lakes traffic) have been combined in a new Table 1, which divides canal traffic according to the different canal systems through which it passed. The total for 1948 was 130,297,876 tons against 124,436,510 tons in 1947 and includes tonnage through the U.S. locks at Sault Ste. Marie. From this table it is possible to trace the volume of traffic moving to and from Lake Superior and Montreal or beyond. This totalled 451,961 tons during 1948. Traffic using the St. Lawrence only aggregated 4,190,930 tons. That passing through the Welland Ship canal only reached 7,311,821 tons, while the grand total for this canal was a traffic of 13,373,321 tons, 2,466,753 tons of which used the St. Lawrence and Welland Ship systems, 451,961 tons using St. Lawrence, Welland Ship and Sault Ste. Marie, and 3,142,786 tons using the Sault Ste. Marie and Welland Ship. From such an analysis it is possible to ascertain how much tonnage terminated or originated within certain areas by an examination of the up and down movements.

In combination with the 4 American locks at Sault Ste. Marie, which form an essential part of the Great Lakes system, the grand total of all canal freight traffic during 1948 was 157,082,901 tons compared with 150,273,579 tons in 1947, an increase of 6,809,322 tons or 5.2 per cent. The above totals include traffic using more than one canal. Of the 23,559,313 tons of freight passing through Canadian canals during the year, 87.2 per cent or 20,533,377 tons was carried in Canadian bottoms, and in the Welland Ship canal 79.0 per cent was in Canadian vessels. Details by canal are given in Table 11. Serious labour trouble was experienced during the year by three of the principal Canadian operators on the St. Lawrence - Great Lakes system.

The movement of foreign vessels up the St. Lawrence from points outside Canada and using the canals, practically ceased during the war period. However, 1947 and 1948 witnessed a revival of this commerce and Norwegian, Swedish, Dutch and British vessels once again appeared on the Great Lakes. Cargoes of general merchandise, pulpwood, newsprint, sulphur, coffee, clay, sugar, gasoline, palm oil and autos came up the St. Lawrence to American and Canadian cities. Lighter cargoes were taken out. There were 29 entries recorded for Norwegian vessels, 16 by Swedish vessels, 13 by Dutch, 6 by British and 1 by a Danish vessel. The majority proceeded to Chicago, Cleveland, Detroit, Milwaukee, Buffalo, Detroit or Toronto. Outward cargo included general merchandise, flour, fertilizer, electrodes, linseed oil, wheat, soya bean oil and autos.

However, the great bulk of the commodities entering the St. Lawrence canals from outside Canada are carried in Canadian bottoms returning from Newfoundland and the United States. The limiting lock is at Cornwall (Lock 17) which has a length of 270 feet, is 43 feet 8 inches wide and has 14 feet normal draught. The average ocean going freighter exceeds these specifications, particularly as to draft.

General Notes

The traffic statistics of the Canadian canals are collected through the local agents of the Department of Transport and compiled by the Transportation Division of the Dominion Bureau of Statistics. Each vessel using a canal must make a report to the officer in charge of the canal, giving the details of the vessel tonnage, draught, cargo, etc. There are no tolls charged for the use of the canals and at Sault Ste. Marie, Canadian and United States vessels use 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.

The traffic statistics are complete for each canal and vessels and cargoes passing through two or more canals in going from port of clearance to port of destination are included in the statistics for each canal used. A large percentage of the upbound traffic through the St. Lawrence canals uses the Welland Ship and also the Sault Ste. Marie canal, mostly on the United States side, and a large percentage of the downbound traffic also uses the Welland Ship canal while a smaller percentage passes through the locks at Sault Ste. Marie. Practically all the Ottawa River canals traffic uses the Lachine locks of the St. Lawrence canals and is included in the St. Lawrence way traffic. The totals for all Canadian canals consequently contain a large amount of duplication.

Revisions covering the St. Lawrence, Great Lakes Traffic for the years 1942 to 1947 are given on pages 4 and 5 "Revised Table 2". The entries by canals are comparable with those appearing in Table 1 of this report. Duplications are eliminated except that freight which was unloaded and reloaded was not considered a duplication. Thus, grain transhipped at Georgian Bay and Lake Erie ports is not considered as duplication when passing down the Welland Ship Canal.

Vessels of Canadian and British registry are shown under "Canadian" in the tables and all other vessels have been shown under "United States" in reports previous to 1940. Only a very small percentage of these foreign vessels were other than United States vessels but they have been segregated and shown separately in tables in reports subsequent to 1939.

Also in classifying ports of departure and ports of destination of vessels all foreign ports have been included under "United States". Here, also, traffic to foreign ports other than United States is but a very small percentage of the total.

As shown in Table 3 Canadian vessels carry by far the major portion of the total of all grain moving down the Welland Ship Canal.

The number of vessels and net registered tonnages using each canal are shown in table 10 and the number of passengers and cargoes are shown in separate tables for each canal.

Way vessels and way cargoes are those from and to ports on the canals or using only a portion of any canal. Thus, a vessel from Montreal to Hull would be recorded as way on the St. Lawrence canals and through on the Ottawa River Canals. Vessels and freight between points above Prescott and points on the Lachine Canal are classed as through for the St. Lawrence canals and all vessels and freight passing through the entire length of any canal are classed as through.

The freight rates for Canadian grain shown in Tables 4, 5 and 6 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 the combined rates are shown separately. The trimming charges vary at different ports and are also affected by the overtime required to complete the job. 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 such of these commodities in the list as were carried, are shown.

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".

Table 1.

CANADIAN CANAL TRAFFIC, 1948

(Includes traffic through the United States locks at Sault Ste. Marie)
 / Duplications excluded

Tons of Freight (2,000 lbs.)

Canal	Up	Down	Total	Total 1947
Ottawa only	-	3,600	3,600	1,200
Richelieu only	72,991	6,553	79,544	50,582
St. Lawrence and Ottawa	1,345	255,200	256,545	250,859
St. Lawrence, Ottawa & Richelieu	(1) -	(2) 3,198	3,198	2,768
St. Lawrence & Richelieu	(1) 8,623	(2) -	8,623	7,736
St. Lawrence only	1,661,321	2,529,609	4,190,930	4,390,966
St. Lawrence & Welland Ship	906,200	1,560,553	2,466,753	2,197,940
St. Lawrence, Welland Ship & Sault Ste. Marie	149,764	302,197	451,961	329,325
Welland Ship only	789,225	6,522,596	7,311,821	6,561,962
Welland Ship & Sault Ste. Marie	289,535	2,853,251	3,142,786	2,716,348
Sault Ste. Marie only (Can. & U.S.) (3)	19,691,322	92,608,581	112,299,903	107,842,297
Rideau River	352	971	1,323	1,508
Trent	-	38,681	38,681	30,605
Murray	139	2,800	2,939	1,000
St. Andrew's	13,141	5,555	18,696	17,152
St. Peter's	10,768	9,805	20,573	34,262
Total	23,594,726	106,703,150	130,297,876	124,436,510

/ Duplications 455,159 tons

(1) Down the Richelieu River Canal

(2) Up the Richelieu River Canal

(3) Through both Canadian and United States locks at Sault Ste. Marie, U.S. locks are

(1) Poe Lock-Length 704 ft., Width 100 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.

Revised Table 2

St. Lawrence, Great Lakes Traffic

1 9 4 7

	Up	Down	Total
	Tons	Tons	Tons
St. Lawrence only	1,389,465	3,257,506	4,646,971
St. Lawrence and Welland	801,127	1,369,592	2,170,719
St. Lawrence, Welland and S.S.Marie	138,396	223,508	361,904
Welland only	749,338	5,832,429	6,581,767
Welland and S.S.Marie	256,147	2,435,038	2,691,185
S.S.Marie - U.S.and Canadian only	18,598,471	89,236,410	107,834,881
Total	21,932,944	102,354,483	124,287,427

1 9 4 6

St. Lawrence only	900,269	2,459,154	3,359,423
St. Lawrence and Welland	658,518	1,394,181	2,052,699
St. Lawrence, Welland and S.S.Marie	85,468	252,988	338,456
Welland only	499,159	5,332,793	5,831,952
Welland and S.S.Marie	172,640	2,184,399	2,357,039
S.S.Marie - U.S.and Canadian only	18,663,430	70,381,771	89,045,201
Total	20,979,484	82,005,286	102,984,770

1 9 4 5

St. Lawrence only	542,643	3,439,627	3,982,270
St. Lawrence and Welland	497,624	2,130,920	2,628,544
St. Lawrence, Welland and S.S.Marie	57,638	279,418	337,056
Welland only	404,860	5,918,751	6,323,611
Welland and S.S.Marie	167,049	3,506,072	3,673,121
S.S.Marie - U.S.and Canadian only	15,992,077	93,275,062	109,267,139
Total	17,661,891	108,549,850	126,211,741

Revised Table 2

St. Lawrence, Great Lakes Traffic

1 9 4 4

	Up	Down	Total
	Tons	Tons	Tons
St. Lawrence only	668,857	2,968,310	3,637,167
St. Lawrence and Welland	342,950	1,611,959	1,954,909
St. Lawrence, Welland and S.S.Marie	55,116	215,676	270,792
Welland only	371,343	6,252,954	6,624,297
Welland and S.S.Marie	213,005	2,253,678	2,466,683
S.S.Marie - U.S.and Canadian only	18,253,454	96,246,933	114,500,387
Total	19,904,725	109,549,510	129,454,235

1 9 4 3

St. Lawrence only	530,109	3,506,353	4,036,462
St. Lawrence and Welland	385,720	1,519,808	1,905,528
St. Lawrence, Welland and S.S.Marie	70,213	135,821	206,034
Welland only	222,511	6,163,164	6,385,675
Welland and S.S.Marie	132,682	1,486,077	1,618,759
S.S.Marie - U.S.and Canadian only	17,996,502	96,029,803	114,026,305
Total	19,337,737	108,841,026	128,178,763

1 9 4 2

St. Lawrence only	706,340	2,955,399	3,661,739
St. Lawrence and Welland	471,523	1,815,774	2,287,297
St. Lawrence, Welland and S.S.Marie	76,129	137,416	213,545
Welland only	234,196	6,329,311	6,563,507
Welland and S.S.Marie	146,453	1,897,319	2,043,772
S.S.Marie - U.S.and Canadian only	15,732,365	102,211,132	117,943,497
Total	17,367,006	115,346,351	132,713,357

Table 2A

WELLAND SHIP CANAL TRAFFIC

Season of Navigation, 1948

Between	DOWN-BOUND			UP-BOUND		
	No. of Vessels	Registered Net Tons	Tons of Freight	No. of Vessels	Registered Net Tons	Tons of Freight
<u>Lake Superior and</u>						
Hamilton	100	546,267	1,326,169	70	314,043	79,025
Toronto.....	79	159,370	283,945	125	213,113	128,440
Kingston.....	80	200,130	398,258	16	24,048	286
Prescott, Ogdensburg & Brockville.	15	41,887	94,888	4	5,327	2,041
Oswego and South.....	57	195,247	427,452	11	15,078	3,600
Other Lake Ontario Ports.....	1	1,085	-	23	29,180	60,167
Montreal and below	152	180,740	288,645	175	210,807	149,764
Other Ports below Prescott.....	5	6,098	13,552	-	-	-
Welland Ship Canal.....	70	158,252	318,939	19	46,142	15,976
Total.....	559	1,489,076	3,155,448	443	857,738	439,299
<u>Lake Michigan and</u>						
Hamilton.....	26	99,387	277,825	-	-	-
Toronto.....	17	38,992	76,351	3	1,354	-
Kingston.....	=	-	-	-	-	-
Prescott, Ogdensburg & Brockville.	6	11,008	21,235	-	-	-
Oswego and South.....	13	41,105	107,787	17	32,712	67,254
Other Lake Ontario Ports.....	1	1,099	2,166	2	38	-
Montreal and below.....	42	38,841	55,431	82	80,732	110,793
Other Ports below Prescott.....	5	7,162	13,638	-	-	-
Welland Ship Canal.....	8	25,111	48,979	33	86,063	98,150
Total.....	118	262,705	553,412	137	200,899	276,197
<u>Lake Huron and</u>						
Hamilton.....	2	11,270	21,123	1	2,526	-
Toronto.....	2	58	-	2	3,215	-
Kingston.....	=	-	-	-	-	-
Prescott, Ogdensburg & Brockville.	-	-	-	-	-	-
Oswego and South.....	4	11,768	35,389	10	21,912	-
Other Lake Ontario Ports.....	-	-	-	6	947	-
Montreal and below.....	6	2,646	1,834	3	1,785	4,060
Other Ports below Prescott.....	-	-	-	-	-	-
Welland Ship Canal.....	34	57,374	94,222	3	7,703	-
Total.....	48	83,116	152,568	25	38,088	4,060
<u>Sarnia to Port Colborne and</u>						
Hamilton.....	319	994,005	2,203,798	391	1,348,139	3,092
Toronto.....	516	1,311,214	2,417,801	482	1,311,135	37,798
Kingston.....	16	17,770	36,025	52	138,766	5
Prescott, Ogdensburg & Brockville.	9	12,002	23,566	20	45,851	13,000
Oswego and South.....	371	286,110	196,153	437	465,679	347,049
Other Lake Ontario Ports.....	217	288,737	541,226	228	298,527	36,517
Montreal and below.....	629	724,482	1,412,101	518	596,661	516,611
Other Ports below Prescott.....	23	31,417	63,065	26	32,806	28,197
Welland Ship Canal.....	212	314,397	461,933	356	574,049	55,875
Total.....	2,312	3,980,132	7,355,668	2,510	4,811,613	1,038,144
<u>Welland Ship Canal and</u>						
Hamilton.....	7	2,689	100	18	33,308	16,622
Toronto.....	19	11,191	4,977	59	106,270	34,818
Kingston.....	1	1,084	-	1	1,491	-
Prescott, Ogdensburg & Brockville.	1	209	-	4	6,093	500
Oswego and South.....	32	35,068	1,135	13	10,849	17,295
Other Lake Ontario Ports.....	80	73,821	805	53	31,272	61,250
Montreal and below.....	21	24,317	14,484	109	134,422	246,539
Other Ports below Prescott.....	-	-	-	1	1,672	-
Total.....	161	148,379	21,501	258	325,377	377,024
GRAND TOTAL.....	3,198	5,963,408	11,238,597	3,373	6,233,715	2,134,724

(1 ton = 2,000 lbs.)

Table 3

GRAIN DOWN-BOUND THROUGH THE WELLAND SHIP CANAL, 1948

	Wheat	Barley	Oats	Rye	Corn	Flaxseed	Total
	Bushels	Bushels	Bushels	Bushels	Bushels	Bushels	Bushels
<u>Canadian Grain</u>							
From United States Ports to Canadian Ports -							
In Canadian vessels	-	-	-	-	118,000	-	118,000
In United States vessels	-	-	-	-	-	-	-
From Canadian Ports to United States Ports -							
In Canadian vessels	-	-	-	-	-	-	-
In United States vessels	737,633	-	-	-	-	-	737,633
From United States Ports to United States Ports-							
In United States vessels	-	-	-	-	-	-	-
From Canadian Ports to Canadian Ports-							
In Canadian vessels	31,840,467	12,100,125	4,224,588	1,773,107	249,500	5,831,964	56,019,751
In United States vessels	-	-	-	-	-	-	-
<u>United States Grain -</u>							
From United States Ports to Canadian Ports -							
In Canadian vessels	-	411,000	-	-	1,904,964	-	2,315,964
In United States vessels	-	-	-	-	144,393	-	144,393
From United States Ports to United States Ports-							
In Canadian vessels	174,000	-	-	-	53,000	-	227,000
In United States vessels	18,439,500	290,000	170,000	-	313,000	324,000	19,536,500
From Canadian Ports to Canadian Ports -							
In Canadian vessels	-	-	-	-	-	-	-
In United States vessels	-	-	-	-	-	-	-
Total grain	51,191,600	12,801,125	4,394,588	1,773,107	2,782,857	6,155,964	79,099,241
Canadian Grain in United States vessels	737,633	-	-	-	-	-	737,633
United States Grain in Canadian vessels	174,000	411,000	-	-	1,957,964	-	2,542,964

Table 4

FREIGHT RATES BY WATER ON BARLEY AND OATS DURING 1946

Fort William - Port Arthur to -	Barley			Oats		
	Average rate per bushel	Average rate per ton	Average rate per ton-mile	Average rate per bushel	Average rate per ton	Average rate per ton-mile
	cents	\$	cents	cents	\$	cents
Montreal -						
April.....	10.25	4.27	0.348	9.07	5.34	0.455
May.....	10.25	4.27	0.348	9.61	5.65	0.460
June.....	10.25	4.27	0.348	8.50	5.00	0.407
July.....	10.25	4.27	0.348	9.02	5.31	0.432
August.....	10.28	4.28	0.349	-	-	-
September.....	10.25	4.27	0.348	-	-	-
October.....	11.75	4.90	0.399	-	-	-
November.....	11.75	4.90	0.399	11.00	6.47	0.527
December.....	-	-	-	-	-	-
Average.....	10.37	4.32	0.352	9.17	5.39	0.439
Goderich and Georgian Bay -						
April.....	3.79	1.58	0.294	3.50	2.06	0.384
May.....	3.75	1.56	0.291	3.50	2.06	0.384
June.....	3.75	1.56	0.291	3.50	2.06	0.384
July.....	3.75	1.56	0.291	3.50	2.06	0.384
August.....	3.75	1.56	0.291	3.50	2.06	0.384
September.....	3.75	1.56	0.291	3.51	2.06	0.384
October.....	4.22	1.76	0.328	3.99	2.35	0.438
November.....	4.25	1.77	0.330	4.00	2.35	0.438
December.....	4.25	1.77	0.330	6.30	3.71	0.691
Average.....	4.01	1.67	0.311	3.79	2.23	0.415
Port Colborne -						
April.....	-	-	-	-	-	-
May.....	5.25	2.19	0.258	4.75	2.79	0.329
June.....	5.25	2.19	0.258	4.75	2.79	0.329
July.....	5.25	2.19	0.258	4.75	2.79	0.329
August.....	5.29	2.20	0.259	4.75	2.79	0.329
September.....	5.25	2.19	0.258	4.75	2.79	0.329
October.....	5.31	2.21	0.261	4.86	2.86	0.337
November.....	5.75	2.40	0.283	5.25	3.09	0.364
December.....	-	-	-	-	-	-
Average.....	5.32	2.22	0.262	4.86	2.86	0.337
Buffalo -						
April.....	-	-	-	-	-	-
May.....	6.71	2.80	0.325	5.00	2.94	0.341
June.....	5.70	2.38	0.276	5.60	3.29	0.382
July.....	7.00	2.92	0.339	5.50	3.24	0.376
August.....	6.62	2.76	0.320	5.48	3.22	0.374
September.....	7.06	2.94	0.341	5.32	3.13	0.363
October.....	7.71	3.21	0.372	7.77	4.57	0.530
November.....	7.78	3.24	0.376	10.77	6.34	0.735
December.....	-	-	-	11.27	6.63	0.769
Average.....	7.36	3.07	3.56	8.68	5.11	0.593
Port Colborne to Montreal -						
April.....	-	-	-	-	-	-
May.....	-	-	-	-	-	-
June.....	-	-	-	-	-	-
July.....	5.50	2.29	0.603	-	-	-
August.....	5.50	2.29	0.603	-	-	-
September.....	5.50	2.29	0.603	-	-	-
October.....	5.50	2.29	0.603	4.25	2.50	0.658
November.....	-	-	-	-	-	-
December.....	-	-	-	-	-	-
Average.....	5.50	2.29	0.603	4.25	2.50	0.658

Table 5

FREIGHT RATES BY WATER ON FLAX AND RYE DURING 1948

Fort William - Port Arthur to -	Flax			Rye		
	Average rate per bushel	Average rate per ton	Average rate per ton-mile	Average rate per bushel	Average rate per ton	Average rate per ton-mile
	cents	\$	cents	cents	\$	cents
<u>Montreal -</u>						
April.....	12.00	4.29	0.349	10.50	3.75	0.305
May.....	12.38	4.42	0.360	11.29	4.03	0.328
June.....	12.61	4.50	0.366	-	-	-
July.....	12.50	4.46	0.363	-	-	-
August.....	12.50	4.46	0.363	11.00	3.93	0.320
September.....	12.50	4.46	0.363	-	-	-
October.....	14.84	5.30	0.432	11.59	4.14	0.337
November.....	14.72	5.26	0.428	-	-	-
December.....	-	-	-	-	-	-
Average.....	13.14	4.69	0.382	11.19	4.00	0.326
<u>Goderich and Georgian Bay -</u>						
April.....	-	-	-	-	-	-
May.....	-	-	-	-	-	-
June.....	-	-	-	-	-	-
July.....	-	-	-	-	-	-
August.....	5.50	1.96	0.365	-	-	-
September.....	5.50	1.96	0.365	4.00	1.43	0.266
October.....	7.00	2.50	0.466	4.50	1.61	0.300
November.....	5.50	1.96	0.365	-	-	-
December.....	5.50	1.96	0.365	-	-	-
Average.....	5.71	2.04	0.380	4.40	1.57	0.292
<u>Port Colborne -</u>						
April.....	-	-	-	-	-	-
May.....	-	-	-	-	-	-
June.....	-	-	-	-	-	-
July.....	6.00	2.14	0.252	-	-	-
August.....	-	-	-	5.50	1.96	0.231
September.....	-	-	-	-	-	-
October.....	6.00	2.14	0.252	-	-	-
November.....	-	-	-	-	-	-
December.....	-	-	-	-	-	-
Average.....	6.00	2.14	0.252	5.50	1.96	0.231
<u>Buffalo -</u>						
April.....	-	-	-	-	-	-
May.....	7.00	2.50	0.290	-	-	-
June.....	5.00	1.79	0.208	-	-	-
July.....	7.00	2.50	0.290	-	-	-
August.....	-	-	-	-	-	-
September.....	-	-	-	7.11	2.54	0.295
October.....	-	-	-	7.14	2.55	0.296
November.....	-	-	-	7.17	2.56	0.297
December.....	-	-	-	-	-	-
Average.....	6.80	2.43	0.282	7.14	2.55	0.296
<u>Port Colborne to Montreal -</u>						
April.....	-	-	-	-	-	-
May.....	-	-	-	-	-	-
June.....	-	-	-	6.00	2.14	0.563
July.....	-	-	-	-	-	-
August.....	7.00	2.50	0.658	-	-	-
September.....	-	-	-	6.00	2.14	0.563
October.....	7.00	2.50	0.658	-	-	-
November.....	-	-	-	-	-	-
December.....	-	-	-	-	-	-
Average.....	7.00	2.50	0.658	6.00	2.14	0.563

Table 6

FREIGHT RATES BY WATER ON WHEAT DURING 1947 AND 1948

Fort William - Port Arthur to -	1947			1948		
	Average rate per bushel	Average rate per ton	Average rate per ton-mile	Average rate per bushel	Average rate per ton	Average rate per ton-mile
	cents	¢	cents	cents	¢	cents
<u>Montreal -</u>						
April.....	10.00	3.33	0.271	11.00	3.67	0.299
May.....	10.00	3.33	0.271	11.00	3.67	0.299
June.....	10.00	3.33	0.271	11.00	3.67	0.299
July.....	10.00	3.33	0.271	11.00	3.67	0.299
August.....	10.00	3.33	0.271	11.00	3.67	0.299
September.....	10.00	3.33	0.271	11.00	3.67	0.299
October.....	10.00	3.33	0.271	11.00	3.67	0.299
November.....	10.00	3.33	0.271	12.50	4.17	0.340
December.....	-	-	-	-	-	-
Average.....	10.00	3.33	0.271	11.17	3.72	0.303
Including storage.....	-	-	-	-	-	-
<u>Goderich and Georgian Bay -</u>						
March.....	-	-	-	-	-	-
April.....	4.00	1.33	0.248	4.00	1.33	0.248
May.....	4.00	1.33	0.248	4.00	1.33	0.248
June.....	4.00	1.33	0.248	4.00	1.33	0.248
July.....	4.00	1.33	0.248	4.00	1.33	0.248
August.....	4.00	1.33	0.248	4.00	1.33	0.248
September.....	4.00	1.33	0.248	4.00	1.33	0.248
October.....	4.00	1.33	0.248	4.50	1.50	0.279
November.....	4.00	1.33	0.248	4.50	1.50	0.279
December.....	4.77	1.59	0.296	4.85	1.62	0.302
Average.....	4.02	1.34	0.250	4.27	1.42	0.264
Including storage.....	4.26	1.43	0.266	4.65	1.55	0.289
<u>Port Colborne -</u>						
April.....	5.00	1.67	0.197	5.50	1.83	0.216
May.....	5.00	1.67	0.197	5.50	1.83	0.216
June.....	5.00	1.67	0.197	5.59	1.86	0.219
July.....	5.00	1.67	0.197	5.50	1.83	0.216
August.....	5.00	1.67	0.197	5.35	1.78	0.210
September.....	5.10	1.70	0.200	5.50	1.83	0.216
October.....	5.00	1.67	0.197	5.74	1.91	0.225
November.....	5.00	1.67	0.197	6.00	2.00	0.236
December.....	6.48	2.16	0.255	6.00	2.00	0.236
Average.....	5.09	1.70	0.200	5.62	1.87	0.221
Including storage.....	5.44	1.81	0.213	6.24	2.08	0.245
<u>Buffalo -</u>						
April.....	-	-	-	-	-	-
May.....	-	-	-	-	-	-
June.....	-	-	-	6.50	2.17	0.252
July.....	-	-	-	-	-	-
August.....	-	-	-	-	-	-
September.....	-	-	-	-	-	-
October.....	6.50	2.17	0.252	7.54	2.51	0.291
November.....	6.49	2.16	0.251	7.52	2.51	0.291
December.....	6.50	2.17	0.252	-	-	-
Average.....	6.49	2.16	0.251	7.52	2.51	0.291
Including storage.....	6.98	2.33	0.270	7.54	2.51	0.291
<u>Port Colborne to Montreal -</u>						
April.....	-	-	-	5.50	1.83	0.482
May.....	5.00	1.67	0.439	6.00	2.00	0.526
June.....	5.00	1.67	0.439	6.00	2.00	0.526
July.....	5.00	1.67	0.439	6.00	2.00	0.526
August.....	-	-	-	6.00	2.00	0.526
September.....	-	-	-	6.00	2.00	0.526
October.....	5.50	1.83	0.482	6.04	2.01	0.529
November.....	5.50	1.83	0.482	6.19	2.06	0.542
December.....	-	-	-	-	-	-
Average.....	5.20	1.73	0.455	6.02	2.01	0.529

(1 ton = 2,000 lbs.)

Table 7

SEASON OF NAVIGATION, 1948

Canals	First Vessel Passage	Last Vessel Passage	Number of Days Used
Sault Ste. Marie.....	April 15	December 14	244
Welland Ship.....	March 22	December 18	272
St. Lawrence.....	April 17	December 6	254
Richelieu River.....	April 23	December 6	228
St. Peter's.....	April 20	January 22	278
Murray.....	April 15	December 10	240
Ottawa River.....	April 23	November 26	218
Rideau.....	May 1	November 23	207
Trent.....	May 11	November 22	196
St. Andrews.....	June 10	November 1	145

Table 8

CANALS OF CANADA

Name	Location		Length in Miles	LOCK S			
				Number	Minimum Dimensions in Feet		
	From	To			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	30 (5)
<u>St. Lawrence River</u>							
Lachine	Montreal	Lachine	8.74	5	270	45	14 (1)
Soulanges	Cascades Point	Coteau Landing	14.67	5	280	45	15 (1)
Cornwall	Cornwall	Dickinsons Landing	11.00	6	270	43.67	14 (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 (1)
Gallops	Iroquois	Cardinal	7.36	3	270	45	14 (1)
<u>Richelieu River</u>							
St. Ours		St. Ours, Que.	0.12	1	359	45	12 (2)
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	0.50	1	300	48	18 (4)
Murray	Isthmus of Murray	Cape Breton, N.S. Bay of Quinte	5.15	None	-	-	11 (5)
<u>Ottawa River</u>							
Ste. Anne	Junction of St. Lawrence and Ottawa R.	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	9.5
Rideau	Ottawa	Kingston	126.25	47	134	33	5
	Rideau Lake to	Perth (Tay Branch)	6.50	2	134	33	5
Trent	Trenton	Peterborough Lock	88.74	18	175	33	6
	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)	8.35	1	142	33	6
	Lindsay	Port Perry " "	26.65	None	-	-	4.5
St. Andrew's	Red River, fifteen miles north of Winnipeg		-	1	215	45	17

- (1) Navigable depths occasionally are less due to extreme low water levels.
- (2) Least depth in channels, 7 ft.
- (3) Least depth in channels, 25 ft.
- (4) Depth of canal prism is 17 ft.
- (5) With Lake Ontario at elevation 244 ft.

Table 9

TOTAL TRAFFIC THROUGH THE

	Sault Ste. Marie	Welland Ship	St. Lawrence River	Ottawa River	Fideau
1. Canadian Vessels .....No.	3,256	4,879	7,835	1,106	139
2. United States " "	809	1,554	47	-	5
3. Other Foreign " "	10	138	181	-	-
4. Total Vessels "	4,075	6,571	8,063	1,106	144
5. Passengers "	63,707	5,790	12,417	-	240
	<u>Tons</u>	<u>Tons</u>	<u>Tons</u>	<u>Tons</u>	<u>Tons</u>
6. Canadian Vessels - Steam.....	3,384,615	9,082,756	5,890,515	23,179	1,655
7. Canadian Vessels - Sail /	368,246	80,572	304,222	283,648	4,118
8. United States " - Steam	1,031,477	2,589,178	17,935	-	48
9. United States " - Sail /	7,009	347,229	-	-	-
10. Other Foreign "	6,169	97,388	116,510	-	-
11. Total Vessels.....	4,797,518	12,197,123	6,329,182	306,827	5,821
<u>AGRICULTURAL PRODUCTS</u>					
12. Barley.....	290,139	325,331	186,430	-	-
13. Corn	22,429	61,425	55,375	-	-
14. Oats	100,994	76,512	35,199	-	-
15. Rye	25,209	49,647	42,892	-	-
16. Flaxseed	114,141	172,367	125,902	-	-
17. Wheat	422,133	1,748,323	887,947	-	-
18. Other grains	-	28,030	1,780	-	-
19. Flour.....	61,119	5,532	6,388	-	-
20. Hay and Straw	-	-	106	-	-
21. Other Mill Products	110,800	2,451	1,472	-	-
22. Fruit and Vegetables.....	-	-	-	-	-
23. Potatoes	-	-	-	-	-
24. Total.....	1,146,964	2,469,618	1,343,491	-	-
<u>ANIMAL PRODUCTS</u>					
25. Fish	153	2,008	2,258	-	-
26. Dressed Meats	-	-	-	-	-
27. Other Packing-house Products ...	-	3,450	-	-	-
28. All other Animal Products	-	-	2,612	-	-
29. Total.....	153	5,458	4,870	-	-
<u>MANUFACTURES AND MISCELLANEOUS</u>					
30. Gasoline	100,915	842,458	590,844	-	3
31. Petroleum and other oils	80,557	1,432,719	788,642	-	3
32. Agricultural Implements	250	250	648	-	-
33. Cement, Brick and Plaster.....	-	55,215	17	-	85
34. Iron, pig and bloom	11,640	79,200	125	-	-
35. Iron and Steel, Other	7,161	10,041	9,020	-	18
36. Sugar	10,127	27,822	31,656	-	-
37. Salt.....	4,093	72,789	66,829	-	-
38. Beverages	-	183	303	-	-
39. Autos and parts	8,067	1,377	1,258	-	-
40. Paper.....	86,766	205,940	88,875	3,198	-
41. Wood pulp.....	1,953	36,667	42,554	-	-
42. Total.....	311,529	2,764,661	1,620,771	3,198	107
<u>FOREST PRODUCTS</u>					
43. Pulpwood	158,884	522,598	588,774	-	-
44. Logs-posts-poles-piling.....	-	-	-	-	9
45. Firewood.....	-	-	-	-	-
46. Lumber, Mill, Cooperage, Stock..	-	-	38,033	-	111
47. Other Forest Products.....	-	-	-	-	-
48. Total.....	158,884	522,598	626,807	-	120
<u>MINE PRODUCTS</u>					
49. Hard coal	9,804	70,203	27,432	-	-
50. Soft, coal.....	274,363	5,044,710	2,644,484	1,345	35
51. Coke	29,973	42,087	5,382	-	-
52. Copper ore	-	-	-	-	-
53. Iron ore.....	2,734	1,645,952	92,437	-	-
54. Other ore.....	-	156,547	87,123	-	-
55. Sand, Gravel and Stone	41,720	188,912	314,010	258,800	918
56. Total.....	358,594	7,118,411	3,170,866	260,145	953
57. All other freight	394,938	462,575	611,203	-	143
58. GRAND TOTAL	2,371,062	13,373,321	7,378,010	263,343	1,523

/ Includes unrigged vessels.

6 Net registered tons of vessels and tons (2,000 lbs.) of cargoes.

CANADIAN CANALS DURING 1948

	Richelieu River	Trent	Murray	St. Andrew's	St. Peter's	Total	Compared with 1947	
							Increase	Decrease
1.	595	554	91	612	794	19,859	1,317	
2.	12	-	6	-	22	2,455	370	
3.	-	-	-	-	-	329	82	
4.	605	554	97	612	816	22,643	1,769	
5.	-	-	-	2,930	456	85,540	9,460	
6.	<u>Tons</u> 51,611	<u>Tons</u> 37,853	<u>Tons</u> 33,347	<u>Tons</u> 56,259	<u>Tons</u> 29,929	<u>Tons</u> 18,591,719	<u>Tons</u> 1,117,775	
7.	42,319	22,062	103	16,605	10,152	1,132,049		7,583
8.	384	-	3,234	-	2,428	3,644,684	247,582	
9.	-	-	550	-	-	354,788	84,219	
10.	-	-	-	-	-	220,067	91,445	
11.	94,314	59,915	37,234	72,864	42,509	23,943,307	1,533,438	
12.	-	-	-	-	-	801,900	227,246	
13.	-	-	-	-	-	139,229		4,381
14.	-	-	-	-	1	212,706		76,731
15.	-	-	-	-	-	117,748		3,757
16.	-	-	-	-	-	412,410	320,631	
17.	-	-	-	-	1	3,058,404		128,468
18.	-	-	-	-	-	29,810		727
19.	-	-	-	264	15	73,318		24,816
20.	-	-	-	115	-	221		16
21.	-	-	-	10	6	114,739		27,842
22.	-	-	-	-	128	128		228
23.	-	-	-	3	2,156	2,159		769
24.	-	-	-	392	2,307	4,962,772	280,142	
25.	35	-	-	2,617	957	8,028	2,491	
26.	-	-	-	-	12	12	12	
27.	-	-	-	-	19	3,469	3,410	
28.	-	-	139	6	21	2,778		1,489
29.	35	-	139	2,623	1,009	14,287	4,424	
30.	-	100	2,745	1,020	9,422	1,547,507	181,927	
31.	194	26	-	43	971	2,303,155		23,566
32.	-	-	-	-	-	1,148		4,658
33.	-	-	-	178	232	55,725		12,297
34.	-	-	-	-	-	90,965	53,887	
35.	-	-	-	107	-	26,347		23,948
36.	-	-	-	-	-	69,605	22,515	
37.	-	-	-	-	185	145,896	47,757	
38.	-	-	-	99	-	585		3,423
39.	-	-	-	42	2	10,746		5,372
40.	26,690	-	-	-	-	411,379	51,280	
41.	-	-	-	-	-	81,174	38,441	
42.	26,794	126	2,745	1,489	10,812	4,742,232	322,543	
43.	-	-	-	-	-	1,270,256	11,288	
44.	-	-	-	-	-	9		1,051
45.	-	-	-	746	204	950		1,688
46.	-	-	-	9,518	2	47,664	8,651	
47.	-	-	-	-	-	-		163
48.	-	-	-	10,264	206	1,318,879	17,037	
49.	-	-	-	10	171	107,620	17,011	
50.	-	-	-	225	5,680	7,970,842	664,548	
51.	-	-	-	-	2	77,444		16,341
52.	-	-	-	-	-	-		
53.	-	-	-	-	-	1,741,123	470,545	
54.	-	38,540	-	-	-	282,210	107,216	
55.	4,794	-	-	-	13	809,167	68,517	
56.	4,794	38,540	-	235	5,866	10,988,406	1,311,496	
57.	59,742	15	55	3,693	373	1,532,737	109,732	
58.	91,365	38,681	2,939	18,696	20,573	23,559,313	2,045,374	

Table 10

VESSELS USING CANADIAN CANALS, 1948
NUMBER AND NET REGISTERED TONS

	Canada to Canada		Canada to U.S.		U.S. to U.S.		
	Up	Down	Up	Down	Up	Down	
<u>SAULT STE. MARIE CANAL</u>							
1. Canadian Vessels - Steam	No.	1,207	1,212	71	134	9	2
2. Canadian Vessels - Sail	"	182	155	7	27	2	-
3. United States " - Steam	"	1	-	2	28	185	586
4. United States " - Sail	"	-	-	-	2	-	-
5. Other Foreign "	"	-	3	-	-	3	3
6. Total	"	1,390	1,370	80	191	199	591
7. Canadian Vessels - Steam	Tons	1,471,746	1,176,728	257,322	158,170	32,062	7,870
8. Canadian Vessels - Sail	"	111,447	31,956	27,741	71,271	6,782	-
9. United States " - Steam	"	760	-	5,683	72,162	907,181	42,006
10. United States " - Sail	"	-	-	-	1,282	-	-
11. Other Foreign "	"	-	1,011	-	-	2,156	2,159
12. Total	"	1,583,953	1,209,695	290,746	302,885	948,181	52,035
<u>WELLAND SHIP CANAL - Through & Way</u>							
13. Canadian Vessels - Steam	No.	952	1,062	1,454	56	47	25
14. Canadian Vessels - Sail	"	34	33	9	-	-	1
15. United States " - Steam	"	16	4	248	18	337	319
16. United States " - Sail	"	4	-	30	12	140	130
17. Other Foreign "	"	3	7	-	6	57	29
18. Total	"	1,009	1,106	1,741	92	581	504
19. Canadian Vessels - Steam	Tons	1,186,502	1,485,189	3,394,549	75,051	46,803	27,251
20. Canadian Vessels - Sail	"	12,126	40,569	26,610	-	-	1,267
21. United States " - Steam	"	63,024	8,761	876,493	12,823	384,291	388,041
22. United States " - Sail	"	2,757	-	20,449	13,518	140,626	135,887
23. Other Foreign "	"	2,134	2,414	-	3,583	41,840	21,307
24. Total	"	1,266,543	1,536,933	4,318,101	104,975	613,560	573,753
<u>WELLAND SHIP CANAL - Through</u>							
25. Canadian Vessels - Steam	No.	627	816	1,258	4	47	25
26. Canadian Vessels - Sail	"	12	4	-	-	-	1
27. United States " - Steam	"	1	4	187	12	337	319
28. United States " - Sail	"	-	-	16	7	140	130
29. Other Foreign "	"	1	7	-	4	57	29
30. Total	"	641	831	1,461	27	581	504
31. Canadian Vessels - Steam	Tons	812,975	1,183,595	3,050,005	4,416	46,803	27,251
32. Canadian Vessels - Sail	"	2,620	1,072	-	-	-	1,267
33. United States " - Steam	"	2,963	8,761	682,084	11,693	384,291	388,041
34. United States " - Sail	"	-	-	11,293	8,400	140,626	135,887
35. Other Foreign "	"	352	2,414	-	1,800	41,840	21,307
36. Total	"	818,910	1,195,842	3,743,382	26,309	613,560	573,753
<u>WELLAND SHIP CANAL - Way</u>							
37. Canadian Vessels - Steam	No.	325	246	196	52	-	-
38. Canadian Vessels - Sail	"	22	29	9	-	-	-
39. United States " - Steam	"	15	-	61	6	-	-
40. United States " - Sail	"	4	-	14	5	-	-
41. Other Foreign "	"	2	-	-	2	-	-
42. Total	"	368	275	280	65	-	-
43. Canadian Vessels - Steam	Tons	373,527	501,594	344,544	70,635	-	-
44. Canadian Vessels - Sail	"	9,506	39,497	26,610	-	-	-
45. United States " - Steam	"	60,061	-	194,409	1,130	-	-
46. United States " - Sail	"	2,757	-	9,156	5,118	-	-
47. Other Foreign "	"	1,782	-	-	1,783	-	-
48. Total	"	447,633	341,091	574,719	78,666	-	-

Note - Unrigged vessels included with sail.

Table 10

VESSELS USING CANADIAN CANALS, 1948
NUMBER AND NET REGISTERED TONS

No.	U.S. to Canada		Total		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	196	10	1,483	1,358	2,841	1,866	975	
2.	42	-	233	182	415	385	30	
3.	2	-	190	614	804	566	238	
4.	3	-	3	2	5	6		1
5.	1	-	4	6	10	-	10	
6.	244	10	1,913	2,162	4,075	2,823	1,252	
7.	263,127	17,590	2,024,257	1,360,358	3,384,615	3,373,712	10,903	
8.	119,051	-	265,021	103,227	368,248	461,863		93,615
9.	3,685	-	917,309	114,168	1,031,477	901,656	129,821	
10.	5,727	-	5,727	1,282	7,009	10,519		3,510
11.	843	-	2,999	3,170	6,169	-	6,169	
12.	392,433	17,590	3,215,313	1,582,205	4,797,518	4,747,750	49,768	
13.								
14.	5	1,201	2,458	2,344	4,802	4,352	450	
15.	-	-	43	34	77	50	27	
16.	19	234	620	575	1,195	1,149	46	
17.	15	28	189	170	359	277	82	
18.	3	33	63	75	138	81	57	
19.	42	1,496	3,373	3,198	6,571	5,909	662	
20.	6,290	2,861,121	4,634,144	4,448,612	9,082,756	8,042,994	1,039,762	
21.	-	-	38,736	41,836	80,572	39,209	41,363	
22.	11,935	843,810	1,335,743	1,253,435	2,589,178	2,481,066	108,112	
23.	14,659	19,333	178,491	168,738	347,229	258,940	88,289	
24.	2,627	23,483	46,601	50,787	97,388	59,313	38,075	
25.	35,511	3,747,747	6,233,715	5,963,408	12,197,123	10,881,522	1,315,601	
26.								
27.	4	1,136	1,936	1,981	3,917	3,527	390	
28.	-	-	12	5	17	25		8
29.	13	186	538	521	1,059	1,030	29	
30.	11	16	167	153	320	241	79	
31.	1	30	59	70	129	79	50	
32.	29	1,368	2,712	2,730	5,442	4,902	540	
33.	4,476	2,754,572	3,914,259	3,969,834	7,884,093	6,824,709	1,059,384	
34.	-	-	2,620	2,339	4,959	10,245		5,286
35.	7,307	703,665	1,076,645	1,112,160	2,188,805	2,092,742	96,063	
36.	10,193	11,485	162,112	155,772	317,884	235,824	82,060	
37.	843	21,213	43,035	46,734	89,769	57,783	31,986	
38.	22,819	3,490,935	5,198,671	5,286,839	10,485,510	9,221,303	1,264,207	
39.								
40.	1	65	522	363	885	825	60	
41.	-	-	31	29	60	25	35	
42.	6	48	82	54	136	119	17	
43.	4	12	22	17	39	36	3	
44.	2	3	4	5	9	2	7	
45.	13	128	661	468	1,129	1,007	122	
46.	1,814	106,549	719,885	478,778	1,198,663	1,218,285		19,622
47.	-	-	36,116	39,497	75,613	28,964	46,649	
48.	4,628	140,145	259,098	141,275	400,373	388,324	12,049	
49.	4,466	7,848	16,379	12,966	29,345	23,116	6,229	
50.	1,784	2,270	3,566	4,053	7,619	1,530	6,089	
51.	12,692	256,812	1,035,044	676,569	1,711,613	1,660,219	51,394	

Table 10 (Continued)

VESSELS USING CANADIAN CANALS, 1948
NUMBER AND NET REGISTERED TONS

			Canada to Canada		Canada to U. S.		U. S. to U. S.	
			Up	Down	Up	Down	Up	Down
<u>ST. LAWRENCE RIVER CANALS - Through and Way</u>								
1.	Canadian Vessels - Steam	No.	2,295	2,354	1,081	47	88	23
2.	Canadian Vessels - Sail	"	408	413	-	-	-	-
3.	United States " - Steam	"	7	10	3	1	8	4
4.	United States " - Sail	"	-	-	-	-	-	-
5.	Other Foreign "	"	25	32	-	8	58	43
6.	Total	"	2,735	2,809	1,084	56	154	70
7.	Canadian Vessels - Steam	Tons	1,583,407	1,646,061	1,278,131	12,668	89,016	22,747
8.	Canadian Vessels - Sail	"	151,025	153,197	-	-	-	-
9.	United States " - Steam	"	5,075	5,828	608	12	3,094	1,553
10.	United States " - Sail	"	-	-	-	-	-	-
11.	Other Foreign "	"	10,756	13,017	-	5,162	43,284	32,779
12.	Total	"	1,750,263	1,818,103	1,278,739	17,842	135,394	57,079
<u>ST. LAWRENCE RIVER CANALS - Through</u>								
13.	Canadian Vessels - Steam	No.	1,322	1,339	916	3	38	23
14.	Canadian Vessels - Sail	"	5	8	-	-	-	-
15.	United States " - Steam	"	6	8	2	-	7	3
16.	United States " - Sail	"	-	-	-	-	-	-
17.	Other Foreign "	"	22	30	-	6	58	43
18.	Total	"	1,355	1,385	918	9	103	69
19.	Canadian Vessels - Steam	Tons	1,380,764	1,439,809	1,076,551	1,206	30,340	22,747
20.	Canadian Vessels - Sail	"	1,405	2,958	-	-	-	-
21.	United States " - Steam	"	4,350	5,087	576	-	2,752	1,211
22.	United States " - Sail	"	-	-	-	-	-	-
23.	Other Foreign "	"	9,042	12,195	-	3,378	43,284	32,779
24.	Total	"	1,395,561	1,460,049	1,077,127	4,584	76,376	56,737
<u>ST. LAWRENCE RIVER CANALS - Way</u>								
25.	Canadian Vessels - Steam	No.	973	1,015	165	44	50	-
26.	Canadian Vessels - Sail	"	403	405	-	-	-	-
27.	United States " - Steam	"	1	2	1	1	1	1
28.	United States " - Sail	"	-	-	-	-	-	-
29.	Other Foreign "	"	3	2	-	2	-	-
30.	Total	"	1,380	1,424	166	47	51	1
31.	Canadian Vessels - Steam	Tons	202,643	206,252	201,580	11,462	58,676	-
32.	Canadian Vessels - Sail	"	149,620	150,239	-	-	-	-
33.	United States " - Steam	"	725	741	32	12	342	342
34.	United States " - Sail	"	-	-	-	-	-	-
35.	Other Foreign Vessels	"	1,714	822	-	1,784	-	-
36.	Total	"	354,702	358,054	201,612	13,258	59,018	342
<u>RICHELIEU RIVER CANAL</u>								
37.	Canadian Vessels - Steam	No.	55	90	128	-	-	-
38.	Canadian Vessels - Sail	"	120	118	-	-	-	-
39.	United States " - Steam	"	-	-	11	-	-	-
40.	Other Foreign "	"	-	-	-	-	-	-
41.	Total	"	175	208	139	-	-	-
42.	Canadian Vessels - Steam	Tons	1,706	9,448	24,337	-	-	-
43.	Canadian Vessels - Sail	"	21,306	21,013	-	-	-	-
44.	United States " - Steam	"	-	-	339	-	-	-
45.	Other Foreign "	"	-	-	-	-	-	-
46.	Total	"	23,012	30,461	24,676	-	-	-

VESSELS USING CANADIAN CANALS, 1948
NUMBER AND NET REGISTERED TONS

	U. S. to Canada		Total		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	74	1,052	3,538	3,476	7,014	7,020		6
2.	-	-	408	413	821	864		43
3.	2	12	20	27	47	41	6	
4.	-	-	-	-	-	1		1
5.	2	13	85	96	181	112	69	
6.	78	1,077	4,051	4,012	8,063	8,038	25	
7.	23,142	1,235,343	2,973,696	2,916,819	5,890,515	5,830,680	59,835	
8.	-	-	151,025	153,197	304,222	300,505	3,717	
9.	737	1,028	9,514	8,421	17,935	13,473	4,462	
10.	-	-	-	-	-	1,100		1,100
11.	1,784	9,728	55,824	60,686	116,510	64,589	51,921	
12.	25,663	1,246,099	3,190,059	3,139,123	6,329,182	6,210,347	118,835	
13.	3	932	2,279	2,297	4,576	4,628		52
14.	-	-	5	8	13	13		
15.	2	11	17	22	39	37	2	
16.	-	-	-	-	-	1		1
17.	2	13	82	92	174	86	88	
18.	7	956	2,383	2,419	4,802	4,765	37	
19.	3,174	1,081,963	2,490,829	2,545,725	5,036,554	5,131,933		95,379
20.	-	-	1,405	2,958	4,363	7,284		2,921
21.	737	686	8,415	6,984	15,399	13,433	1,966	
22.	-	-	-	-	-	1,100		1,100
23.	1,784	9,728	54,110	58,080	112,190	58,600	53,590	
24.	5,695	1,092,377	2,554,759	2,613,747	5,168,506	5,212,350		43,844
25.	71	120	1,259	1,179	2,438	2,392	46	
26.	-	-	403	405	808	851		43
27.	-	1	3	5	8	4	4	
28.	-	-	-	-	-	-		
29.	-	-	3	4	7	26		19
30.	71	121	1,668	1,593	3,261	3,273		12
31.	19,968	153,380	482,867	371,094	853,961	698,747	155,214	
32.	-	-	149,620	150,239	299,859	293,221	6,638	
33.	-	342	1,099	1,437	2,536	40	2,496	
34.	-	-	-	-	-	-		
35.	-	-	1,714	2,606	4,320	5,989		1,669
36.	19,968	153,722	635,300	525,376	1,160,676	997,997	162,679	
37.	-	82	183	172	355	375		20
38.	-	-	120	118	238	141	97	
39.	-	1	11	1	12	21		9
40.	-	-	-	-	-	1		1
41.	-	83	314	291	605	538	67	
42.	-	16,120	26,043	25,568	51,611	50,920	691	
43.	-	-	21,306	21,013	42,319	22,736	19,583	
44.	-	45	339	45	384	493		109
45.	-	-	-	-	-	193		193
46.	-	16,165	47,688	46,626	94,314	74,342	19,972	

Table 10 (Concluded)

VESSELS USING CANADIAN CANALS, 1948
NUMBER AND NET REGISTERED TONS

			Canada to Canada		Canada to U. S.		U. S. to U. S.	
			Up	Down	Up	Down	Up	Down
<u>OTTAWA RIVER CANALS</u>								
1.	Canadian Vessels - Steam	No.	199	192	-	16	-	-
2.	Canadian Vessels - Sail	"	347	350	-	-	-	-
3.	Total	"	546	542	-	16	-	-
4.	Canadian Vessels - Steam	Tons	11,229	8,458	-	3,104	-	-
5.	Canadian Vessels - Sail	"	141,565	142,083	-	-	-	-
6.	Total	"	152,794	150,541	-	3,104	-	-
<u>ST. PETER'S CANAL</u>								
7.	Canadian Vessels - Steam	No.	332	390	11	2	-	-
8.	Canadian Vessels - Sail	"	27	23	-	-	-	-
9.	United States " - Steam	"	7	5	-	7	1	-
10.	United States " - Sail	"	-	-	-	-	-	-
11.	Other Foreign "	"	-	-	-	-	-	-
12.	Total	"	366	418	11	9	1	-
13.	Canadian Vessels - Steam	Tons	13,921	14,224	820	161	-	-
14.	Canadian Vessels - Sail	"	5,175	4,977	-	-	-	-
15.	United States " - Steam	"	99	358	-	1,102	15	-
16.	United States " - Sail	"	-	-	-	-	-	-
17.	Other Foreign "	"	-	-	-	-	-	-
18.	Total	"	19,195	19,559	820	1,173	15	-
<u>MURRAY CANAL</u>								
19.	Canadian Vessels - Steam	No.	16	20	53	-	-	-
20.	Canadian Vessels - Sail	"	2	-	-	-	-	-
21.	United States " - Steam	"	-	-	4	-	-	-
22.	United States " - Sail	"	-	-	1	-	-	-
23.	Total	"	18	20	58	-	-	-
24.	Canadian Vessels - Steam	Tons	1,395	1,689	30,263	-	-	-
25.	Canadian Vessels - Sail	"	103	-	-	-	-	-
26.	United States " - Steam	"	-	-	2,437	-	-	-
27.	United States " - Sail	"	-	-	550	-	-	-
28.	Total	"	1,498	1,689	33,250	-	-	-
<u>ST. ANDREW'S CANAL</u>								
29.	Canadian Vessels - Steam	No.	286	284	-	-	-	-
30.	Canadian Vessels - Sail	"	21	21	-	-	-	-
31.	Total	"	307	305	-	-	-	-
32.	Canadian Vessels - Steam	Tons	28,197	28,062	-	-	-	-
33.	Canadian Vessels - Sail	"	8,275	8,330	-	-	-	-
34.	Total	"	36,472	36,392	-	-	-	-
<u>RIDEAU CANAL</u>								
35.	Canadian Vessels - Steam	No.	37	37	-	-	-	-
36.	Canadian Vessels - Sail	"	37	28	-	-	-	-
37.	United States " - Steam	"	3	2	-	-	-	-
38.	Total	"	77	67	-	-	-	-
39.	Canadian Vessels - Steam	Tons	850	805	-	-	-	-
40.	Canadian Vessels - Sail	"	2,320	1,798	-	-	-	-
41.	United States " - Steam	"	28	20	-	-	-	-
42.	Total	"	3,198	2,623	-	-	-	-
<u>TRENT CANAL</u>								
43.	Canadian Vessels - Steam	No.	133	154	-	-	-	-
44.	Canadian Vessels - Sail	"	133	134	-	-	-	-
45.	Total	"	266	288	-	-	-	-
46.	Canadian Vessels - Steam	Tons	7,171	30,682	-	-	-	-
47.	Canadian Vessels - Sail	"	10,967	11,095	-	-	-	-
48.	Total	"	18,138	41,777	-	-	-	-

VESSELS USING CANADIAN CANALS, 1948
NUMBER AND NET REGISTERED TONS

	U. S. to Canada		Total		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	2	-	201	208	409	629		220
2.	-	-	347	350	697	657	40	
3.	2	-	548	558	1,106	1,286		180
4.	388	-	11,617	11,562	23,179	34,372		11,193
5.	-	-	141,565	142,083	285,648	270,245	15,403	
6.	388	-	153,182	153,645	306,827	304,617	2,210	
7.	-	9	343	401	744	784		40
8.	-	-	27	23	50	29	21	
9.	2	-	10	12	22	16	6	
10.	-	-	-	-	-	2		2
11.	-	-	-	-	-	53		53
12.	2	9	380	436	816	884		68
13.	-	803	14,741	15,188	29,929	34,988		5,059
14.	-	-	5,175	4,977	10,152	4,550	5,602	
15.	944	-	1,058	1,370	2,428	295	2,133	
16.	-	-	-	-	-	10		10
17.	-	-	-	-	-	4,527		4,527
18.	944	803	20,974	21,535	42,509	44,370		1,861
19.	-	-	69	20	89	49	40	
20.	-	-	2	-	2	6		4
21.	-	1	4	1	5	-	5	
22.	-	-	1	-	1	-	1	
23.	-	1	76	21	97	55	42	
24.	-	-	31,658	1,689	33,347	20,748	12,599	
25.	-	-	103	-	103	1,065		962
26.	-	797	2,437	797	3,234	-	3,234	
27.	-	-	550	-	550	-	550	
28.	-	797	34,748	2,486	37,234	21,813	15,421	
29.	-	-	286	284	570	628		58
30.	-	-	21	21	42	41	1	
31.	-	-	307	305	612	669		57
32.	-	-	28,197	28,062	56,259	61,960		5,701
33.	-	-	8,275	8,330	16,605	14,809	1,796	
34.	-	-	36,472	36,392	72,864	76,769		3,905
35.	-	-	37	37	74	75		1
36.	-	-	37	28	65	57	8	
37.	-	-	3	2	5	6		1
38.	-	-	77	67	144	138	6	
39.	-	-	850	805	1,655	2,403		748
40.	-	-	2,320	1,798	4,118	3,610	508	
41.	-	-	28	20	48	119		71
42.	-	-	3,198	2,623	5,821	6,132		311
43.	-	-	133	154	287	281	6	
44.	-	-	133	134	267	253	14	
45.	-	-	266	288	554	534	20	
46.	-	-	7,171	30,682	37,853	21,167	16,686	
47.	-	-	10,967	11,095	22,062	21,040	1,022	
48.	-	-	18,138	41,777	59,915	42,207	17,708	

Table 11

TOTAL FREIGHT USING

Canal	Total Up Tons	Total Down Tons	Grand Total Tons	Transported in			
				Canadian Vessels		Foreign Vessels	
				Tons	P.C. of Total	Tons	P.C. of Total
Sault Ste. Marie	865,284	1,505,778	2,371,062	2,321,619	97.9	49,443	2.1
Welland Ship	2,134,724	11,238,597	13,373,321	10,571,338	79.0	2,801,983	21.0
St. Lawrence	2,727,253	4,650,757	7,378,010	7,205,333	97.7	172,677	2.3
Ottawa River	1,345	261,998	263,343	263,343	100.0	-	-
Pideau	352	971	1,323	1,323	100.0	-	-
Richelieu River	76,189	15,176	91,365	91,365	100.0	-	-
Trent	-	38,681	38,681	38,681	100.0	-	-
Murray	139	2,800	2,939	2,924	99.5	15	.5
St. Andrew's	13,141	5,555	18,696	18,696	100.0	-	-
St. Peter's	10,768	9,805	20,573	18,755	91.2	1,818	8.8
Total Canadian Canals	5,822,195	17,730,118	23,559,313	20,533,377	87.2	3,025,936	12.8
Sault Ste. Marie - Canadian & U.S. (x) ...	20,129,516	95,763,930	115,893,446	14,868,823	12.8	101,024,623	87.2

(x) From United States Official Report.

Table 12

TRAFFIC THROUGH CANALS AT SAULT STE. MARIE

	U P			DOWN
	Canadian Canal	United States Canal	Total	Canadian Canal
	No.	No.	No.	No.
Vessel Passages	1,913	10,031	11,944	2,162
Registered Tonnage	3,215,313	40,195,021	43,410,334	1,582,205
Passengers	15,572	40,480	56,052	48,135
	<u>Tons</u>	<u>Tons</u>	<u>Tons</u>	<u>Tons</u>
Lumber	-	-	-	-
Pulpwood	-	-	-	158,884
Flour	-	-	-	61,119
Wheat	-	-	-	422,133
Grain (other than wheat)	-	-	-	552,912
Copper	-	-	-	-
Iron Ore	-	198,430	198,430	2,734
Pig Iron	642	-	642	10,998
Manufactured Iron and Steel	1,281	40,778	42,059	5,880
Soft Coal and Coke	276,163	16,283,685	16,559,848	28,173
Hard Coal	9,804	350,867	360,671	-
Salt	4,093	43,485	47,578	-
Oil and Gasoline	175,097	847,870	1,022,967	6,375
Stone	-	1,322,999	1,322,999	41,720
Merchandise and Miscellaneous	398,204	177,225	575,427	214,850
Total Freight	865,284	19,265,337	20,130,621	1,505,778

CANADIAN CANALS DURING 1948

From Canadian to Canadian Ports		From Canadian to United States Ports		From United States to United States Ports		From United States to Canadian Ports	
Up	Down	Up	Down	Up	Down	Up	Down
Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
527,647	1,166,969	4,147	291,833	3,975	24,305	329,515	22,671
988,206	2,694,735	576,402	30,449	495,355	823,880	74,781	7,689,535
1,969,233	1,852,972	631,272	32,201	101,643	81,208	25,105	2,704,376
1,345	258,800	-	3,198	-	-	-	-
352	971	-	-	-	-	-	-
49,709	1,962	26,480	-	-	-	-	13,214
-	38,681	-	-	-	-	-	-
139	2,785	-	-	-	-	-	15
13,141	5,555	-	-	-	-	-	-
10,122	7,791	646	1,973	-	-	-	41
5,559,894	6,011,219	1,238,947	359,654	600,953	929,393	429,401	10,429,852
989,797	5,444,853	4,413	2,550,984	13,115,285	86,168,364	6,020,021	1,599,229

CANADIAN AND UNITED STATES, IN 1948

D O W N United States Canal	Total	Grand Total	Compared with 1947	
			Increase	Decrease
No.	No.	No.	No.	No.
9,790	11,952	23,896	2,669	-
41,866,026	43,438,231	86,848,565	3,659,433	-
8,529	56,464	112,516	21,948	-
Tons	Tons	Tons	Tons	Tons
-	-	-	-	100
530,046	688,930	688,930	-	104,504
1,433	62,552	62,552	8,640	-
6,191,286	6,613,419	6,613,419	-	977,957
2,031,519	2,584,431	2,584,431	237,202	-
-	-	-	-	-
85,229,070	85,231,804	85,430,234	4,508,066	-
-	10,998	11,640	5,997	-
96,106	101,986	144,045	-	23,702
-	28,173	16,588,021	1,021,275	-
-	-	360,671	17,985	-
-	-	47,578	-	10,875
-	6,375	1,029,342	97,547	-
4,225	45,945	1,368,944	124,794	-
174,566	389,416	964,843	102,232	-
94,258,251	95,764,029	115,894,650	5,006,680	-

Table 13

Traffic on the

	Commodity	Canada to Canada		Canada to U.S.		U.S. to U.S.	
		Up	Down	Up	Down	Up	Down
1.	Passengers - Number.....	12,217	14,630	394	1,227	1,734	31,359
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>AGRICULTURAL PRODUCTS</u>						
2.	Barley	-	259,199	-	26,965	-	1,315
3.	Corn.....	-	5,152	-	-	-	-
4.	Oats.....	-	100,994	-	-	-	-
5.	Rye.....	-	21,905	-	3,304	-	-
6.	Flaxseed.....	-	110,224	-	-	-	3,917
7.	Wheat.....	-	422,133	-	-	-	-
8.	Other grains.....	-	-	-	-	-	-
9.	Flour.....	-	61,119	-	-	-	-
10.	Hay and Straw.....	-	-	-	-	-	-
11.	Other mill products.....	-	110,800	-	-	-	-
12.	Fruit and vegetables.....	-	-	-	-	-	-
13.	Potatoes.....	-	-	-	-	-	-
14.	Total.....	-	1,091,526	-	30,269	-	5,232
	<u>ANIMAL PRODUCTS</u>						
15.	Fish.....	-	153	-	-	-	-
16.	Dressed meats.....	-	-	-	-	-	-
17.	Other packing-house pds.....	-	-	-	-	-	-
18.	All other animal pds.....	-	-	-	-	-	-
19.	Total.....	-	153	-	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline.....	97,315	600	-	-	-	-
21.	Petroleum & other oils.....	73,002	5,775	-	-	-	-
22.	Agricultural implements.....	250	-	-	-	-	-
23.	Cement, brick, plaster.....	-	-	-	-	-	-
24.	Iron, pig and bloom.....	642	-	-	-	-	10,998
25.	Iron and steel, other.....	1,281	-	-	-	-	5,880
26.	Sugar.....	10,121	6	-	-	-	-
27.	Salt.....	1,593	-	-	-	-	-
28.	Beverages.....	-	-	-	-	-	-
29.	Autos and parts.....	4,202	1,868	-	-	1,997	-
30.	Paper.....	31	-	-	86,735	-	-
31.	Wood pulp.....	-	-	-	-	978	975
32.	Total.....	188,437	8,249	-	86,735	2,975	17,853
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood.....	-	1,628	-	157,256	-	-
34.	Logs-posts-poles-piling.....	-	-	-	-	-	-
35.	Firewood.....	-	-	-	-	-	-
36.	Lumber-mill-cooperage stk.....	-	-	-	-	-	-
37.	Other forest products.....	-	-	-	-	-	-
38.	Total.....	-	1,628	-	157,256	-	-
	<u>MINE PRODUCTS</u>						
39.	Hard coal.....	-	-	-	-	-	-
40.	Soft coal.....	1,193	-	-	-	-	-
41.	Coke.....	-	10,600	-	17,573	-	-
42.	Copper ore.....	-	-	-	-	-	-
43.	Iron ore.....	-	-	-	-	-	-
44.	Other ore.....	-	-	-	-	-	-
45.	Sand, gravel & stone.....	-	41,720	-	-	-	-
46.	Total.....	1,193	52,320	-	17,573	-	-
47.	All other freight.....	338,017	13,093	4,147	-	1,000	1,220
48.	Grand Total.....	527,647	1,166,969	4,147	291,833	3,975	24,305

Number of pleasure craft lockages in 1948 through the lock - 397
Tons (2,000 lbs.) of cargo.

SAULT STE. MARIE CANAL DURING 1948

	U.S. to Canada		T O T A L		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	1,227	919	15,572	48,135	63,707	53,782	9,925	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	2,660	-	290,139	290,139	194,699	95,440	
3.	-	17,277	-	22,429	22,429	18,018	4,411	
4.	-	-	-	100,994	100,994	168,026		67,032
5.	-	-	-	25,209	25,209	23,348	1,861	
6.	-	-	-	114,141	114,141	26,690	87,451	
7.	-	-	-	422,133	422,133	448,139		26,006
8.	-	-	-	-	-	-		
9.	-	-	-	61,119	61,119	53,012	8,107	
10.	-	-	-	-	-	-		
11.	-	-	-	110,800	110,800	142,575		31,775
12.	-	-	-	-	-	-		
13.	-	-	-	-	-	-		
14.	-	19,937	-	1,146,964	1,146,964	1,074,507	72,457	
15.	-	-	-	153	153	152	1	
16.	-	-	-	-	-	-		
17.	-	-	-	-	-	-		
18.	-	-	-	-	-	-		
19.	-	-	-	153	153	152	1	
20.	3,000	-	100,315	600	100,915	62,823	38,092	
21.	1,780	-	74,782	5,775	80,557	52,876	27,681	
22.	-	-	250	-	250	2,258		2,008
23.	-	-	-	-	-	-		
24.	-	-	642	10,998	11,640	5,643	5,997	
25.	-	-	1,281	5,880	7,161	3,186	3,975	
26.	-	-	10,121	6	10,127	2,097	8,030	
27.	2,500	-	4,093	-	4,093	11,551		7,458
28.	-	-	-	-	-	240		240
29.	-	-	6,199	1,868	8,067	8,203		136
30.	-	-	31	86,735	86,766	64,376	22,390	
31.	-	-	978	975	1,953	-	1,953	
32.	7,280	-	198,692	112,837	311,529	213,253	98,276	
33.	-	-	-	158,884	158,884	197,856		38,972
34.	-	-	-	-	-	560		560
35.	-	-	-	-	-	2,534		2,534
36.	-	-	-	-	-	100		100
37.	-	-	-	-	-	-		
38.	-	-	-	158,884	158,884	201,050		42,166
39.	9,804	-	9,804	-	9,804	18,041		8,237
40.	273,170	-	274,363	-	274,363	192,304	82,059	
41.	1,800	-	1,800	28,173	29,973	37,701		7,728
42.	-	-	-	-	-	-		
43.	-	2,734	-	2,734	2,734	3,773		1,039
44.	-	-	-	-	-	3,192		3,192
45.	-	-	-	41,720	41,720	29,390	12,330	
46.	284,774	2,734	285,967	72,627	358,594	284,401	74,193	
47.	37,461	-	380,625	14,313	394,938	354,967	39,971	
48.	329,515	22,671	865,284	1,505,778	2,371,062	2,128,330	242,732	

Table 14

THROUGH AND WAY TRAFFIC ON THE

	Commodity	Canada to Canada		Canada to U.S.		U.S. to U.S.	
		Up	Down	Up	Down	Up	Down
1.	Passengers - Number.....	9	-	2,115	-	34	10
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>AGRICULTURAL PRODUCTS</u>						
2.	Barley.....	804	291,208	-	-	-	6,960
3.	Corn.....	-	6,986	-	-	-	10,248
4.	Oats.....	902	72,720	-	-	-	2,890
5.	Rye.....	-	49,647	-	-	-	-
6.	Flaxseed.....	-	163,295	-	-	-	9,072
7.	Wheat.....	25,465	1,135,334	-	23,029	-	558,405
8.	Other grains.....	-	4,252	-	-	-	-
9.	Flour.....	-	2,200	-	3,332	-	-
10.	Hay and Straw.....	-	-	-	-	-	-
11.	Other mill products.....	-	2,451	-	-	-	-
12.	Fruit and vegetables.....	-	-	-	-	-	-
13.	Potatoes.....	-	-	-	-	-	-
14.	Total.....	27,171	1,728,093	-	26,361	-	587,575
	<u>ANIMAL PRODUCTS</u>						
15.	Fish.....	-	-	-	-	2,008	-
16.	Dressed meats.....	-	-	-	-	-	-
17.	Other packing-house pds.....	-	-	-	-	3,450	-
18.	All other animal pds.....	-	-	-	-	-	-
19.	Total.....	-	-	-	-	5,458	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline.....	289,270	342,442	-	-	181,376	-
21.	Petroleum & other oils.....	118,818	344,174	-	-	130,824	3,250
22.	Agricultural implements.....	250	-	-	-	-	-
23.	Cement, brick, plaster.....	11,562	-	-	-	-	43,653
24.	Iron, pig and bloom.....	642	-	6,200	-	-	67,508
25.	Iron and steel, other.....	-	34	-	1,106	-	-
26.	Sugar.....	14,744	6	-	-	13,072	-
27.	Salt.....	-	22,834	-	-	-	4,800
28.	Beverages.....	-	183	-	-	-	-
29.	Autos and parts.....	596	272	120	-	323	-
30.	Paper.....	51	202	173,129	1,855	29,603	-
31.	Wood pulp.....	4,528	-	11,871	-	16,512	-
32.	Total.....	440,461	710,147	191,320	2,961	371,710	119,211
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood.....	202,974	155,786	162,898	-	940	-
34.	Logs-posts-poles-piling.....	-	-	-	-	-	-
35.	Firewood.....	-	-	-	-	-	-
36.	Lumber-mill-cooperage stk.....	-	-	-	-	-	-
37.	Other forest products.....	-	-	-	-	-	-
38.	Total.....	202,974	155,786	162,898	-	940	-
	<u>MINE PRODUCTS</u>						
39.	Hard coal.....	-	-	-	-	63,620	-
40.	Soft coal.....	7,400	1,645	-	-	-	56,254
41.	Coke.....	-	15,600	675	-	-	-
42.	Copper ore.....	-	-	-	-	-	-
43.	Iron ore.....	10,920	-	75,828	-	3,164	-
44.	Other ore.....	38,395	2,232	115,480	-	440	-
45.	Sand, gravel & stone.....	64,150	36,680	17,050	-	-	-
46.	Total.....	120,865	56,157	209,033	-	67,224	56,254
47.	All other freight.....	196,735	44,550	13,151	1,127	50,003	60,840
48.	GRAND TOTAL.....	988,206	2,694,733	576,402	30,449	495,335	823,880

Number of pleasure craft lockages in 1948 through 8 locks = 51.

Exclusive of 502 vessels entering and 505 vessels clearing from Port Dalhousie Harbour.

WELLAND SHIP CANAL DURING 1948

	U.S. TO Canada		T O T A L		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
1.	474	3,148	2,652	3,158	5,790	5,273	2,517	
2.	-	26,359	804	324,527	325,331	304,417	20,914	
3.	-	44,191	-	61,425	61,425	50,308	11,117	
4.	-	-	902	75,610	76,512	96,865		20,353
5.	-	-	-	49,647	49,647	51,397		1,750
6.	-	-	-	172,367	172,367	51,145	121,222	
7.	-	6,090	25,465	1,722,858	1,748,323	1,798,378		50,055
8.	-	23,778	-	28,030	28,030	30,537		2,507
9.	-	-	-	5,532	5,532	22,195		16,663
10.	-	-	-	-	-	-		
11.	-	-	-	2,451	2,451	-	2,451	
12.	-	-	-	-	-	60		60
13.	-	-	-	-	-	-		
14.		100,418	27,171	2,442,447	2,469,618	2,405,302	64,316	
15.	-	-	2,008	-	2,008	889	1,119	
16.	-	-	-	-	-	-		
17.	-	-	3,450	-	3,450	29	3,421	
18.	-	-	-	-	-	-		
19.	-	-	5,458	-	5,458	918	4,540	
20.	6,100	23,270	476,746	365,712	842,458	814,216	28,242	
21.	18,100	817,553	267,742	1,164,977	1,432,719	1,571,579		138,860
22.	-	-	250	-	250	2,768		2,518
23.	-	-	11,562	43,653	55,215	65,139		9,924
24.	-	4,850	6,842	72,358	79,200	30,693	48,507	
25.	-	8,901	-	10,041	10,041	26,413		16,372
26.	-	-	27,816	6	27,822	8,932	18,890	
27.	-	45,155	-	72,789	72,789	48,061	24,728	
28.	-	-	-	183	183	2,347		2,164
29.	-	66	1,039	338	1,377	3,567		2,190
30.	1,100	-	203,883	2,057	205,940	193,447	12,493	
31.	3,756	-	36,667	-	36,667	22,184	14,483	
32.	29,056	899,795	1,032,547	1,732,114	2,764,661	2,789,346		24,685
33.	-	-	366,812	155,786	522,598	501,199	21,399	
34.	-	-	-	-	-	-		
35.	-	-	-	-	-	-		
36.	-	-	-	-	-	100		100
37.	-	-	-	-	-	-		
38.	-	-	366,812	155,786	522,598	501,299	21,299	
39.	6,585	-	70,203	-	70,203	55,964	14,239	
40.	35,517	4,943,894	42,917	5,001,793	5,044,710	4,152,753	891,957	
41.	-	25,812	675	41,412	42,087	47,692		5,605
42.	-	-	-	-	-	-		
43.	-	1,556,040	89,912	1,556,040	1,645,952	1,176,069	469,883	
44.	-	-	154,315	2,232	156,547	78,345	78,202	
45.	-	71,032	81,200	107,712	188,912	160,232	28,680	
46.	42,100	6,596,778	439,222	6,709,189	7,148,411	5,671,055	1,477,356	
47.	3,625	92,544	263,514	199,061	462,575	437,655	24,920	
48.	74,781	7,689,535	2,134,724	11,238,597	13,373,321	11,805,575	1,567,746	

Table 15

THROUGH TRAFFIC ON THE

	Commodity	Canada to Canada		Canada to U.S.		U.S. to U.S.	
		Up	Down	Up	Down	Up	Down
1.	Passengers - Number.....	9	-	2,115	-	34	10
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>AGRICULTURAL PRODUCTS</u>						
2.	Barley.....	-	290,404	-	-	-	6,960
3.	Corn.....	-	6,986	-	-	-	10,248
4.	Oats.....	-	71,818	-	-	-	2,890
5.	Rye.....	-	49,647	-	-	-	-
6.	Flaxseed.....	-	163,295	-	-	-	9,072
7.	Wheat.....	-	955,214	-	22,129	-	558,405
8.	Other grains.....	-	4,252	-	-	-	-
9.	Flour.....	-	-	-	1,499	-	-
10.	Hay and Straw.....	-	-	-	-	-	-
11.	Other mill products.....	-	2,451	-	-	-	-
12.	Fruit and vegetables.....	-	-	-	-	-	-
13.	Potatoes.....	-	-	-	-	-	-
14.	Total.....	-	1,544,067	-	23,628	-	587,575
	<u>ANIMAL PRODUCTS</u>						
15.	Fish.....	-	-	-	-	2,008	-
16.	Dressed meats.....	-	-	-	-	-	-
17.	Other packing-house pds....	-	-	-	-	3,450	-
18.	All other animal pds.....	-	-	-	-	-	-
19.	Total.....	-	-	-	-	5,458	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline.....	270,265	308,912	-	-	181,376	-
21.	Petroleum & other oils....	103,668	275,897	-	-	130,824	3,250
22.	Agricultural implements...	250	-	-	-	-	-
23.	Cement, brick, plaster....	11,562	-	-	-	-	43,653
24.	Iron, pig and bloom.....	642	-	-	-	-	67,508
25.	Iron and steel, other.....	-	24	-	-	-	-
26.	Sugar.....	14,744	6	-	-	13,072	-
27.	Salt.....	-	22,834	-	-	-	4,800
28.	Beverages.....	-	78	-	-	-	-
29.	Autos and parts.....	596	272	120	-	323	-
30.	Paper.....	-	-	47,529	-	29,603	-
31.	Wood pulp.....	550	-	11,871	-	16,512	-
32.	Total.....	402,277	608,023	59,520	-	371,710	119,211
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood.....	2,470	-	162,898	-	940	-
34.	Logs-posts-poles-piling...	-	-	-	-	-	-
35.	Firewood.....	-	-	-	-	-	-
36.	Lumber-mill-cooperage stk.	-	-	-	-	-	-
37.	Other forest products.....	-	-	-	-	-	-
38.	Total.....	2,470	-	162,898	-	940	-
	<u>MINE PRODUCTS</u>						
39.	Hard coal.....	-	-	-	-	63,620	-
40.	Soft coal.....	962	-	-	-	-	56,254
41.	Coke.....	-	15,600	-	-	-	-
42.	Copper ore.....	-	-	-	-	-	-
43.	Iron ore.....	8,320	-	75,828	-	3,164	-
44.	Other ore.....	15,303	-	115,480	-	440	-
45.	Sand, gravel & stone.....	3,900	-	16,050	-	-	-
46.	Total.....	28,485	15,600	207,358	-	67,224	56,254
47.	All other freight.....	193,665	43,610	6,871	1,117	50,003	60,840
48.	GRAND TOTAL.....	626,897	2,211,300	436,647	24,745	495,335	823,880

Tons (2,000 lbs.) of cargo.

WELLAND SHIP CANAL DURING 1948

	U.S. to Canada		Total		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
1.	-	3,148	2,158	3,158	5,316	2,853	2,463	
2.	-	26,359	-	323,723	323,723	289,369	34,354	
3.	-	44,191	-	61,425	61,425	50,508	11,117	
4.	-	-	-	74,708	74,708	96,865		22,157
5.	-	-	-	49,647	49,647	51,397		1,750
6.	-	-	-	172,367	172,367	51,145	121,222	
7.	-	-	-	1,535,748	1,535,748	1,528,122	7,626	
8.	-	23,778	-	28,030	28,030	30,537		2,507
9.	-	-	-	1,499	1,499	19,095		17,596
10.	-	-	-	-	-	-		
11.	-	-	-	2,451	2,451	-	2,451	
12.	-	-	-	-	-	60		60
13.	-	-	-	-	-	-		
14.	-	94,328	-	2,249,598	2,249,598	2,116,898	132,700	
15.	-	-	2,008	-	2,008	889	1,119	
16.	-	-	-	-	-	-		
17.	-	-	3,450	-	3,450	29	3,421	
18.	-	-	-	-	-	-		
19.	-	-	5,458	-	5,458	918	4,540	
20.	4,000	23,270	455,641	332,182	787,823	769,095	18,728	
21.	11,900	817,553	246,392	1,096,700	1,343,092	1,489,983		146,891
22.	-	-	250	-	250	2,768		2,518
23.	-	-	11,562	43,653	55,215	65,139		9,924
24.	-	-	642	67,508	68,150	30,693	37,457	
25.	-	8,901	-	8,925	8,925	23,527		14,602
26.	-	-	27,816	6	27,822	8,932	18,890	
27.	-	45,155	-	72,789	72,789	48,061	24,728	
28.	-	-	-	78	78	495		417
29.	-	66	1,039	338	1,377	3,567		2,190
30.	1,100	-	78,232	-	78,232	62,193	16,039	
31.	2,206	-	31,139	-	31,139	20,284	10,855	
32.	19,206	894,945	852,713	1,622,179	2,474,892	2,524,737		49,845
33.	-	-	166,308	-	166,308	122,596	43,712	
34.	-	-	-	-	-	-		
35.	-	-	-	-	-	-		
36.	-	-	-	-	-	100		100
37.	-	-	-	-	-	-		
38.	-	-	166,308	-	166,308	122,696	43,612	
39.	-	-	63,620	-	63,620	55,964	7,656	
40.	8,602	4,594,374	9,564	4,650,628	4,660,192	3,821,165	839,027	
41.	-	15,687	-	31,287	31,287	20,548	10,739	
42.	-	-	-	-	-	-		
43.	-	1,552,306	87,312	1,552,306	1,639,618	1,168,443	471,175	
44.	-	-	131,223	-	131,223	55,040	76,183	
45.	-	58,162	19,950	58,162	78,112	73,935	4,177	
46.	8,602	6,220,529	311,669	6,292,383	6,604,052	5,195,095	1,408,957	
47.	1,150	60,314	251,689	165,881	417,570	370,066	47,504	
48.	28,958	7,270,116	1,587,837	10,330,041	11,917,878	10,330,410	1,587,468	

Table 16

Way Traffic on the

Commodity	Canada to Canada		Canada to U.S.		U.S. to U.S.	
	Up	Down	Up	Down	Up	Down
1. Passengers - Number.....	-	-	-	-	-	-
	Tons	Tons	Tons	Tons	Tons	Tons
<u>AGRICULTURAL PRODUCTS</u>						
2. Barley.....	804	804	-	-	-	-
3. Corn.....	-	-	-	-	-	-
4. Oats.....	902	902	-	-	-	-
5. Rye.....	-	-	-	-	-	-
6. Flaxseed.....	-	-	-	-	-	-
7. Wheat.....	25,465	180,120	-	900	-	-
8. Other grains.....	-	-	-	-	-	-
9. Flour.....	-	2,200	-	1,833	-	-
10. Hay and Straw.....	-	-	-	-	-	-
11. Other mill products.....	-	-	-	-	-	-
12. Fruit and vegetables.....	-	-	-	-	-	-
13. Potatoes.....	-	-	-	-	-	-
14. Total.....	27,171	184,026	-	2,733	-	-
<u>ANIMAL PRODUCTS</u>						
15. Fish.....	-	-	-	-	-	-
16. Dressed meats.....	-	-	-	-	-	-
17. Other packing-house pds.....	-	-	-	-	-	-
18. All other animal pds.....	-	-	-	-	-	-
19. Total.....	-	-	-	-	-	-
<u>MANUFACTURES AND MISCELLANEOUS</u>						
20. Gasoline.....	19,005	33,530	-	-	-	-
21. Petroleum & other oils.....	15,150	68,277	-	-	-	-
22. Agricultural implements.....	-	-	-	-	-	-
23. Cement, brick, plaster.....	-	-	-	-	-	-
24. Iron, pig and bloom.....	-	-	6,200	-	-	-
25. Iron and steel, other.....	-	10	-	1,106	-	-
26. Sugar.....	-	-	-	-	-	-
27. Salt.....	-	-	-	-	-	-
28. Beverages.....	-	105	-	-	-	-
29. Autos and parts.....	-	-	-	-	-	-
30. Paper.....	51	202	125,600	1,855	-	-
31. Wood pulp.....	3,978	-	-	-	-	-
32. Total.....	38,184	102,124	131,800	2,961	-	-
<u>FOREST PRODUCTS</u>						
33. Pulpwood.....	200,504	155,786	-	-	-	-
34. Logs-posts-poles-piling.....	-	-	-	-	-	-
35. Firewood.....	-	-	-	-	-	-
36. Lumber-mill-cooperage stk.....	-	-	-	-	-	-
37. Other forest products.....	-	-	-	-	-	-
38. Total.....	200,504	155,786	-	-	-	-
<u>MINE PRODUCTS</u>						
39. Hard coal.....	-	-	-	-	-	-
40. Soft coal.....	6,438	1,645	-	-	-	-
41. Coke.....	-	-	675	-	-	-
42. Copper ore.....	-	-	-	-	-	-
43. Iron ore.....	2,600	-	-	-	-	-
44. Other ore.....	23,092	2,232	-	-	-	-
45. Sand, gravel & stone.....	60,250	36,680	1,000	-	-	-
46. Total.....	92,380	40,557	1,675	-	-	-
47. All other freight.....	3,070	940	6,280	10	-	-
48. GRAND TOTAL.....	361,309	483,433	139,755	5,704	-	-

Tons (2,000 lbs.) of cargo.

WELLAND SHIP CANAL DURING 1948

	U.S. to Canada		T o t a l		Grand total		Compared with 1948	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	474	-	474	-	474	2,420		1,946
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	804	804	1,608	15,048		13,440
3.	-	-	-	-	-	-		
4.	-	-	902	902	1,804	-	1,804	
5.	-	-	-	-	-	-		
6.	-	-	-	-	-	-		
7.	-	6,090	25,465	187,110	212,575	270,256	-	57,681
8.	-	-	-	-	-	-		
9.	-	-	-	4,033	4,033	3,100	933	
10.	-	-	-	-	-	-		
11.	-	-	-	-	-	-		
12.	-	-	-	-	-	-		
13.	-	-	-	-	-	-		
14.	-	6,090	27,171	192,849	220,020	288,404		68,384
15.	-	-	-	-	-	-		
16.	-	-	-	-	-	-		
17.	-	-	-	-	-	-		
18.	-	-	-	-	-	-		
19.	-	-	-	-	-	-		
20.	2,100	-	21,105	33,530	54,635	45,121	9,514	
21.	6,200	-	21,350	68,277	89,627	81,596	8,031	
22.	-	-	-	-	-	-		
23.	-	-	-	-	-	-		
24.	-	4,850	6,200	4,850	11,050	-	11,050	
25.	-	-	-	1,116	1,116	2,886		1,770
26.	-	-	-	-	-	-		
27.	-	-	-	-	-	-		
28.	-	-	-	105	105	1,852		1,747
29.	-	-	-	-	-	-		
30.	-	-	125,651	2,057	127,708	131,254		3,546
31.	1,550	-	5,528	-	5,528	1,900	3,628	
32.	9,850	4,850	179,834	109,935	289,769	264,609	25,160	
33.	-	-	200,504	155,786	356,290	378,603		22,313
34.	-	-	-	-	-	-		
35.	-	-	-	-	-	-		
36.	-	-	-	-	-	-		
37.	-	-	-	-	-	-		
38.	-	-	200,504	155,786	356,290	378,603		22,313
39.	6,583	-	6,583	-	6,583	-	6,583	
40.	26,915	349,520	33,353	351,165	384,518	331,588	52,930	
41.	-	10,125	675	10,125	10,800	27,144		16,344
42.	-	-	-	-	-	-		
43.	-	3,734	2,600	3,734	6,334	7,626		1,292
44.	-	-	23,092	2,232	25,324	23,305	2,019	
45.	-	12,870	61,250	49,550	110,800	86,297	24,503	
46.	33,498	376,249	127,553	416,806	544,359	475,960	68,399	
47.	2,475	32,230	11,825	33,180	45,005	67,589		22,584
48.	45,823	419,419	546,887	908,556	1,455,443	1,475,165		19,722

Table 17

Through and Way Traffic on the

	Commodity	Canada to Canada		Canada to U. S.		U. S. to U. S.	
		Up	Down	Up	Down	Up	Down
1.	Passengers - Number	-	12,396	-	-	-	15
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>AGRICULTURAL PRODUCTS</u>						
2.	Barley	-	184,853	1,577	-	-	-
3.	Corn	-	24,424	-	-	-	-
4.	Oats	-	35,199	-	-	-	-
5.	Rye	-	42,892	-	-	-	-
6.	Flaxseed	-	125,902	-	-	-	-
7.	Wheat	-	887,047	-	-	-	900
8.	Other Grains	-	1,780	-	-	-	-
9.	Flour	-	2,200	-	4,188	-	-
10.	Hay and Straw	-	106	-	-	-	-
11.	Other Mill products	-	1,472	-	-	-	-
12.	Fruit and Vegetables	-	-	-	-	-	-
13.	Potatoes	-	-	-	-	-	-
14.	Total	-	1,305,875	1,577	4,188	-	900
	<u>ANIMAL PRODUCTS</u>						
15.	Fish	-	-	-	-	2,258	-
16.	Dressed Meats	-	-	-	-	-	-
17.	Other Packing-house prods.	-	-	-	-	-	-
18.	All other Animal products	-	2,609	-	-	-	-
19.	Total	-	2,609	-	-	2,258	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline	568,048	20,952	-	-	-	-
21.	Petroleum & other Oils	778,572	8,146	-	1,000	924	-
22.	Agricultural Implements ...	-	550	-	-	-	-
23.	Cement, Brick, Plaster	-	17	-	-	-	-
24.	Iron, pig and bloom	125	-	-	-	-	-
25.	Iron and Steel, other	160	8,194	-	426	-	240
26.	Sugar	26,672	6	-	-	4,978	-
27.	Salt	-	22,974	-	-	-	4,800
28.	Beverages	-	183	120	-	-	-
29.	Autos and Parts	34	766	-	24	323	111
30.	Paper	477	1,002	47,529	3,198	35,569	-
31.	Wood pulp	6,068	-	15,278	-	17,452	-
32.	Total	1,380,156	62,790	62,927	4,648	59,246	5,151
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood	207,840	24	378,510	-	-	-
34.	Logs, Posts, Poles, Piling	-	-	-	-	-	-
35.	Firewood	-	-	-	-	-	-
36.	Lumber, Mill, Cooperage stock	34,843	3,190	-	-	-	-
37.	Other Forest products	-	-	-	-	-	-
38.	Total	242,683	3,214	378,510	-	-	-
	<u>MINE PRODUCTS</u>						
39.	Hard Coal	13,989	-	-	-	-	-
40.	Soft Coal	3,410	-	-	-	-	45,608
41.	Coke	-	-	-	-	-	-
42.	Copper Ore	-	-	-	-	-	-
43.	Iron Ore	10,920	-	81,517	-	-	-
44.	Other Ore	35,895	2,232	48,996	-	-	-
45.	Sand, Gravel and Stone	3,915	255,200	54,895	-	-	-
46.	Total	68,129	257,432	185,408	-	-	45,608
47.	All other Freight	278,265	201,052	2,850	23,365	40,139	29,549
48.	GRAND TOTAL	1,969,233	1,832,972	631,272	52,201	101,643	81,208

Tons (2,000 lbs.) of cargo.

No. of pleasure craft lockages = 591.

ST. LAWRENCE Canals during 1948

	U. S. to Canada		T o t a l		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	-	6	-	12,417	12,417	13,430		1,013
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	1,577	184,853	186,430	75,538	110,892	
3.	-	30,951	-	55,375	55,375	75,284		19,909
4.	-	-	-	35,199	35,199	24,525	10,674	
5.	-	-	-	42,892	42,892	46,760		3,868
6.	-	-	-	125,902	125,902	13,944	111,958	
7.	-	-	-	887,947	887,947	940,355		52,408
8.	-	-	-	1,780	1,780	-	1,780	
9.	-	-	-	6,388	6,388	22,545		16,157
10.	-	-	-	106	106	-	106	
11.	-	-	-	1,472	1,472	-	1,472	
12.	-	-	-	-	-	60		60
13.	-	-	-	-	-	-		
14.	-	30,951	1,577	1,341,914	1,343,491	1,199,011	144,480	
15.	-	-	2,258	-	2,258	1,593	665	
16.	-	-	-	-	-	-		
17.	-	-	-	-	-	29		29
18.	3	-	3	2,609	2,612	4,045		1,433
19.	3	-	2,261	2,609	4,870	5,667		797
20.	1,844	-	569,892	20,952	590,844	477,971	112,873	
21.	-	-	779,496	9,146	788,642	696,529	92,113	
22.	-	98	-	648	648	780		132
23.	-	-	-	17	17	2,484		2,467
24.	-	-	125	-	125	705		580
25.	-	-	160	8,860	9,020	20,221		11,201
26.	-	-	31,650	6	31,656	36,061		4,405
27.	-	39,055	-	66,829	66,829	36,526	30,303	
28.	-	-	120	183	303	1,254		951
29.	-	-	357	901	1,258	4,320		3,062
30.	1,100	-	84,675	4,200	88,875	73,016	15,859	
31.	3,756	-	42,554	-	42,554	20,549	22,005	
32.	6,700	39,153	1,509,029	111,742	1,620,771	1,370,416	250,355	
33.	-	2,400	586,350	2,424	588,774	559,913	28,861	
34.	-	-	-	-	-	-		
35.	-	-	-	-	-	-		
36.	-	-	34,843	3,190	38,033	30,752	7,281	
37.	-	-	-	-	-	60		60
38.	-	2,400	621,193	5,614	626,807	590,725	36,082	
39.	-	13,443	13,989	13,443	27,432	16,477	10,955	
40.	-	2,595,466	3,410	2,641,074	2,644,484	2,940,259		295,775
41.	-	5,382	-	5,382	5,382	8,265		2,883
42.	-	-	-	-	-	-		
43.	-	-	92,437	-	92,437	90,736	1,701	
44.	-	-	84,891	2,232	87,123	63,443	23,680	
45.	-	-	58,810	255,200	314,010	300,983	13,027	
46.	-	2,614,291	253,537	2,917,331	3,170,868	3,420,163		249,295
47.	18,402	17,581	339,656	271,547	611,203	593,612	17,591	
48.	25,105	2,704,376	2,727,253	4,650,757	7,378,010	7,179,594	198,416	

Table 18

THROUGH TRAFFIC ON THE

Commodity	Canada to Canada		Canada to U.S.		U.S. to U.S.	
	Up	Down	Up	Down	Up	Down
1. Passengers - Number	-	-	-	-	-	15
<u>AGRICULTURAL PRODUCTS</u>	Tons	Tons	Tons	Tons	Tons	Tons
2. Barley	-	184,853	1,577	-	-	-
3. Corn	-	1,834	-	-	-	-
4. Oats	-	35,199	-	-	-	-
5. Rye	-	42,892	-	-	-	-
6. Flaxseed	-	125,902	-	-	-	-
7. Wheat	-	887,047	-	-	-	900
8. Other grains	-	1,780	-	-	-	-
9. Flour	-	2,200	-	4,188	-	-
10. Hay and Straw	-	-	-	-	-	-
11. Other mill products	-	1,472	-	-	-	-
12. Fruit and vegetables	-	-	-	-	-	-
13. Potatoes	-	-	-	-	-	-
14. Total	-	1,283,179	1,577	4,188	-	900
<u>ANIMAL PRODUCTS</u>						
15. Fish	-	-	-	-	2,258	-
16. Dressed meats	-	-	-	-	-	-
17. Other packing-house pds	-	-	-	-	-	-
18. All other animal pds	-	2,609	-	-	-	-
19. Total	-	2,609	-	-	2,258	-
<u>MANUFACTURES AND MISCELLANEOUS</u>						
20. Gasoline	550,109	19,300	-	-	-	-
21. Petroleum & other oils	719,826	8,146	-	1,000	924	-
22. Agricultural implements	-	550	-	-	-	-
23. Cement, brick, plaster	-	-	-	-	-	-
24. Iron, pig and bloom	-	-	-	-	-	-
25. Iron and steel, other	-	5,715	-	420	-	240
26. Sugar	26,672	6	-	-	4,978	-
27. Salt	-	9,894	-	-	-	4,800
28. Beverages	-	183	120	-	-	-
29. Autos and parts	34	506	-	-	323	111
30. Paper	-	1,002	47,529	-	35,569	-
31. Wood pulp	4,128	-	15,278	-	17,452	-
32. Total	1,300,769	45,302	62,927	1,420	59,246	5,151
<u>FOREST PRODUCTS</u>						
33. Pulpwood	207,840	24	254,192	-	-	-
34. Logs-posts-poles-piling	-	-	-	-	-	-
35. Firewood	-	-	-	-	-	-
36. Lumber-mill-cooperage stk	-	-	-	-	-	-
37. Other forest products	-	-	-	-	-	-
38. Total	207,840	24	254,192	-	-	-
<u>MINE PRODUCTS</u>						
39. Hard coal	13,989	-	-	-	-	-
40. Soft coal	2,000	-	-	-	-	45,608
41. Coke	-	-	-	-	-	-
42. Copper ore	-	-	-	-	-	-
43. Iron ore	10,920	-	81,517	-	-	-
44. Other ore	35,895	2,232	43,446	-	-	-
45. Sand, gravel & stone	-	-	-	-	-	-
46. Total	62,804	2,232	124,963	-	-	45,608
47. All other freight	264,177	164,172	-	14,991	40,139	29,549
48. GRAND TOTAL	1,835,590	1,497,518	443,659	20,599	101,643	81,208

Tons (2,000 lbs.) of cargo.

ST. LAWRENCE CANALS DURING 1948

	U.S. to Canada		Total		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	-	6	-	21	21	-	21	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	1,577	184,853	186,430	70,615	115,815	
3.	-	4,914	-	6,748	6,748	7,993		1,245
4.	-	-	-	35,199	35,199	24,525	10,674	
5.	-	-	-	42,892	42,892	46,760		3,868
6.	-	-	-	125,902	125,902	13,944	111,958	
7.	-	-	-	887,947	887,947	940,355		52,408
8.	-	-	-	1,780	1,780	-	1,780	
9.	-	-	-	6,388	6,388	22,545		16,157
10.	-	-	-	-	-	-		
11.	-	-	-	1,472	1,472	-	1,472	
12.	-	-	-	-	-	60		60
13.	-	-	-	-	-	-		
14.	-	4,914	1,577	1,293,181	1,294,758	1,126,797	167,961	
15.	-	-	2,258	-	2,258	889	1,369	
16.	-	-	-	-	-	-		
17.	-	-	-	-	-	29		29
18.	3	-	3	2,609	2,612	4,045		1,433
19.	3	-	2,261	2,609	4,870	4,963		93
20.	1,844	-	551,953	19,300	571,253	456,880	114,373	
21.	-	-	720,750	9,146	729,896	636,029	93,867	
22.	-	98	-	648	648	780		132
23.	-	-	-	-	-	2,484		2,484
24.	-	-	-	-	-	505		505
25.	-	-	-	6,375	6,375	15,274		8,899
26.	-	-	31,650	6	31,656	36,061		4,405
27.	-	16,220	-	30,914	30,914	18,286	12,628	
28.	-	-	120	183	303	1,254		951
29.	-	-	357	617	974	3,983		3,009
30.	1,100	-	84,198	1,002	85,200	69,593	15,607	
31.	3,756	-	40,614	-	40,614	20,549	20,065	
32.	6,700	16,318	1,429,642	68,191	1,497,833	1,261,678	236,155	
33.	-	2,400	462,032	2,424	464,456	472,069		7,613
34.	-	-	-	-	-	-		
35.	-	-	-	-	-	-		
36.	-	-	-	-	-	-		
37.	-	-	-	-	-	-		
38.	-	2,400	462,032	2,424	464,456	472,069		7,613
39.	-	11,035	13,989	11,035	25,024	12,235	12,789	
40.	-	2,335,374	2,000	2,380,982	2,382,982	2,735,117		352,135
41.	-	5,382	-	5,382	5,382	8,265		2,883
42.	-	-	-	-	-	-		
43.	-	-	92,437	-	92,437	90,736	1,701	
44.	-	-	79,341	2,232	81,573	60,943	20,630	
45.	-	-	-	-	-	7,194		7,194
46.	-	2,351,791	187,767	2,399,631	2,587,398	2,914,490		327,092
47.	9,567	17,531	313,883	226,243	540,126	522,235	17,891	
48.	16,270	2,392,954	2,397,162	3,992,279	6,389,441	6,302,232	87,209	

Table 19

RAIL TRAFFIC ON THE

	Commodity	Canada to Canada		Canada to U.S.		U.S. to U.S.	
		Up	Down	Up	Down	Up	Down
1.	Passengers - Number	-	12,396	-	-	-	-
	<u>AGRICULTURAL PRODUCTS</u>	Tons	Tons	Tons	Tons	Tons	Tons
2.	Barley	-	-	-	-	-	-
3.	Corn	-	22,590	-	-	-	-
4.	Oats	-	-	-	-	-	-
5.	Rye	-	-	-	-	-	-
6.	Flaxseed	-	-	-	-	-	-
7.	Wheat	-	-	-	-	-	-
8.	Other grains	-	-	-	-	-	-
9.	Flour	-	-	-	-	-	-
10.	Hay and Straw	-	106	-	-	-	-
11.	Other mill products	-	-	-	-	-	-
12.	Fruit and vegetables	-	-	-	-	-	-
13.	Potatoes	-	-	-	-	-	-
14.	Total	-	22,696	-	-	-	-
	<u>ANIMAL PRODUCTS</u>						
15.	Fish	-	-	-	-	-	-
16.	Dressed meats	-	-	-	-	-	-
17.	Other packing-house pds.....	-	-	-	-	-	-
18.	All other animal pds.....	-	-	-	-	-	-
19.	Total	-	-	-	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline	17,939	1,652	-	-	-	-
21.	Petroleum & other oils	58,746	-	-	-	-	-
22.	Agricultural implements	-	-	-	-	-	-
23.	Cement, brick, plaster	-	17	-	-	-	-
24.	Iron, pig and bloom	125	-	-	-	-	-
25.	Iron and steel, other	160	2,479	-	6	-	-
26.	Sugar	-	-	-	-	-	-
27.	Salt	-	13,080	-	-	-	-
28.	Beverages	-	-	-	-	-	-
29.	Autos and parts	-	260	-	24	-	-
30.	Paper	477	-	-	3,198	-	-
31.	Wood pulp	1,940	-	-	-	-	-
32.	Total	79,387	17,488	-	3,228	-	-
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood	-	-	124,318	-	-	-
34.	Logs-posts-poles-piling	-	-	-	-	-	-
35.	Firewood	-	-	-	-	-	-
36.	Lumber-mill-cooperage stk.....	34,843	3,190	-	-	-	-
37.	Other forest products	-	-	-	-	-	-
38.	Total	34,843	3,190	124,318	-	-	-
	<u>MINE PRODUCTS</u>						
39.	Hard coal	-	-	-	-	-	-
40.	Soft coal	1,410	-	-	-	-	-
41.	Coke	-	-	-	-	-	-
42.	Copper ore	-	-	-	-	-	-
43.	Iron ore	-	-	-	-	-	-
44.	Other ore	-	-	5,550	-	-	-
45.	Sand, gravel & stone	3,915	255,200	54,895	-	-	-
46.	Total	5,325	255,200	60,445	-	-	-
47.	All other freight	14,088	36,880	2,850	8,374	-	-
48.	GRAND TOTAL	133,643	335,454	187,613	11,602	-	-

Tons (2,000 lbs.) of cargo.

ST. LAWRENCE CANALS DURING 1948

	U.S. To Canada		T o t a l		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	-	-	-	12,396	12,396	13,430		1,034
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	-	-	-	4,923		4,923
3.	-	26,037	-	48,627	48,627	67,291		18,664
4.	-	-	-	-	-	-		-
5.	-	-	-	-	-	-		-
6.	-	-	-	-	-	-		-
7.	-	-	-	-	-	-		-
8.	-	-	-	-	-	-		-
9.	-	-	-	-	-	-		-
10.	-	-	-	106	106	-	106	
11.	-	-	-	-	-	-		-
12.	-	-	-	-	-	-		-
13.	-	-	-	-	-	-		-
14.	-	26,037	-	48,733	48,733	72,214		23,481
15.	-	-	-	-	-	704		704
16.	-	-	-	-	-	-		-
17.	-	-	-	-	-	-		-
18.	-	-	-	-	-	-		-
19.	-	-	-	-	-	704		704
20.	-	-	17,939	1,652	19,591	21,091		1,500
21.	-	-	58,746	-	58,746	60,500		1,754
22.	-	-	-	-	-	-		-
23.	-	-	-	17	17	-	17	
24.	-	-	125	-	125	200		75
25.	-	-	160	2,485	2,645	4,947		2,302
26.	-	-	-	-	-	-		-
27.	-	22,835	-	35,915	35,915	18,240	17,675	
28.	-	-	-	-	-	-		-
29.	-	-	-	284	284	337		53
30.	-	-	477	3,198	3,675	3,423	252	
31.	-	-	1,940	-	1,940	-	1,940	
32.	-	22,835	79,387	43,551	122,938	108,738	14,200	
33.	-	-	124,318	-	124,318	87,844	36,474	
34.	-	-	-	-	-	-		-
35.	-	-	-	-	-	-		-
36.	-	-	34,843	3,190	38,033	30,752	7,281	
37.	-	-	-	-	-	60		60
38.	-	-	159,161	3,190	162,351	118,656	43,695	
39.	-	2,408	-	2,408	2,408	4,242		1,834
40.	-	260,092	1,410	260,092	261,502	205,142	56,360	
41.	-	-	-	-	-	-		-
42.	-	-	-	-	-	-		-
43.	-	-	-	-	-	-		-
44.	-	-	5,550	-	5,550	2,500	3,050	
45.	-	-	58,810	255,200	314,010	293,789	20,221	
46.	-	262,500	65,770	517,700	583,470	505,673	77,797	
47.	8,835	50	25,773	45,304	71,077	71,377		300
48.	8,835	311,422	330,091	658,478	988,569	877,362	111,207	

Table 20

TRAFFIC ON THE RICHELIEU

	Commodity	Canada to Canada		Canada to U.S.		U. S. to U. S.	
		Up	Down	Up	Down	Up	Down
1.	Passengers - Number	-	-	-	-	-	-
		Tons	Tons	Tons	Tons	Tons	Tons
2.	<u>ANIMAL PRODUCTS</u>						
	Fish	-	-	35	-	-	-
3.	Total	-	-	35	-	-	-
	<u>MANUFACTURES & MISCELLANEOUS</u>						
4.	Petroleum and other oils	194	-	-	-	-	-
5.	Paper	-	-	26,445	-	-	-
6.	Total	194	-	26,445	-	-	-
	<u>MINE PRODUCTS</u>						
7.	Hard coal	-	-	-	-	-	-
8.	Soft Coal	-	-	-	-	-	-
9.	Coke	-	-	-	-	-	-
10.	Sand, gravel & stone	-	-	-	-	-	-
11.	Total	-	-	-	-	-	-
12.	All other Freight	x49,515	1,962	-	-	-	-
13.	GRAND TOTAL	49,709	1,962	26,480	-	-	-

Number of pleasure craft lockages in 1948 through 10 locks = 157

x Includes 49,510 tons of phosphate rock for chemical fertilizer.

Table 21

TRAFFIC ON THE OTTAWA

	<u>MANUFACTURES & MISCELLANEOUS</u>						
1.	Petroleum & other oils	-	-	-	-	-	-
2.	Paper	-	-	-	3,198	-	-
3.	Total	-	-	-	3,198	-	-
	<u>MINE PRODUCTS</u>						
4.	Soft coal	1,345	-	-	-	-	-
5.	Sand, gravel & stone	-	258,800	-	-	-	-
6.	Total	1,345	258,800	-	-	-	-
7.	All other Freight	-	-	-	-	-	-
8.	GRAND TOTAL	1,345	258,800	-	3,198	-	-

Tons (2,000 lbs.) of cargo

Number of pleasure craft lockages in 1948 through 8 locks = 3,844

RIVER CANAL DURING 1948

	U.S. to Canada		T o t a l		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	-	-	-	-	-	74		74
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	35	-	35	40		5
3.	-	-	35	-	35	40		5
4.	-	-	194	-	194	119	75	
5.	-	155	26,445	155	26,600	26,067	533	
6.	-	155	26,639	155	26,794	26,186	608	
7.	-	-	-	-	-	100		100
8.	-	-	-	-	-	97		97
9.	-	-	-	-	-	127		127
10.	-	4,794	-	4,794	4,794	2,247	2,547	
11.	-	4,794	-	4,794	4,794	2,571	2,223	
12.	-	8,265	49,515	10,227	59,742	32,289	27,453	
13.	-	13,214	76,189	15,176	91,365	61,086	30,279	

RIVER CANAL DURING 1948

1.	-	-	-	-	-	3,414		3,414
2.	-	-	-	3,198	3,198	3,193	5	
3.	-	-	-	3,198	3,198	6,607		3,409
4.	-	-	1,345	-	1,345	1,470		125
5.	-	-	-	258,800	258,800	246,750	12,050	
6.	-	-	1,345	258,800	260,145	248,220	11,925	
7.	-	-	-	-	-	-		
8.	-	-	1,345	261,998	263,343	254,827	8,516	

Table 22

TRAFFIC ON THE ST. PETER'S

Commodity	Canada to Canada		Canada to U.S.		U.S. to U.S.	
	Up	Down	Up	Down	Up	Down
1. Passengers - Number	81	375	-	-	-	-
	Tons	Tons	Tons	Tons	Tons	Tons
<u>AGRICULTURAL PRODUCTS</u>						
2. Oats	1	-	-	-	-	-
3. Wheat	-	1	-	-	-	-
4. Flour	-	15	-	-	-	-
5. Hay and Straw	-	-	-	-	-	-
6. Other mill products	-	6	-	-	-	-
7. Fruit and vegetables	95	5	28	-	-	-
8. Potatoes	1,560	58	538	-	-	-
9. Total	1,656	85	566	-	-	-
<u>ANIMAL PRODUCTS</u>						
10. Fish	64	717	-	155	-	-
11. Dressed meats	-	-	12	-	-	-
12. Other packing-house pds.....	6	-	13	-	-	-
13. All other animal pds	6	-	15	-	-	-
14. Total	76	717	40	155	-	-
<u>MANUFACTURES AND MISCELLANEOUS</u>						
15. Gasoline	6,808	796	-	1,818	-	-
16. Petroleum & other oils	961	10	-	-	-	-
17. Cement, brick, plaster	230	2	-	-	-	-
18. Iron, pig and bloom	-	-	-	-	-	-
19. Iron and steel, other	-	-	-	-	-	-
20. Salt	185	-	-	-	-	-
21. Autos and parts	-	2	-	-	-	-
22. Total	8,184	810	-	1,818	-	-
<u>FOREST PRODUCTS</u>						
23. Firewood	-	204	-	-	-	-
24. Lumber-mill-cooperage stk.....	-	2	-	-	-	-
25. Total	-	206	-	-	-	-
<u>MINE PRODUCTS</u>						
26. Hard coal	-	171	-	-	-	-
27. Soft coal	50	5,630	-	-	-	-
28. Coke	-	2	-	-	-	-
29. Sand, gravel & stone	-	13	-	-	-	-
30. Total	50	5,816	-	-	-	-
31. All other freight.....	156	157	40	-	-	-
32. GRAND TOTAL	10,122	7,791	646	1,973	-	-

Tons (2,000 lbs.) of cargo.

CANAL DURING 1948

	U.S. to Canada		T o t a l		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	-	-	81	375	456	325	131	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	1	-	1	6		5
3.	-	-	-	1	1	-	1	
4.	-	-	-	15	15	33		18
5.	-	-	-	-	-	5		5
6.	-	-	-	6	6	-	6	
7.	-	-	123	5	128	197		69
8.	-	-	2,098	58	2,156	2,928		772
9.	-	-	2,222	85	2,307	3,169		862
10.	-	21	64	893	957	527	430	
11.	-	-	12	-	12	-	12	
12.	-	-	19	-	19	1	18	
13.	-	-	21	-	21	218		197
14.	-	21	116	893	1,009	746	263	
15.	-	-	6,808	2,614	9,422	8,192	1,230	
16.	-	-	961	10	971	2,115		1,144
17.	-	-	230	2	232	3	229	
18.	-	-	-	-	-	31		31
19.	-	-	-	-	-	38		38
20.	-	-	185	-	185	1	184	
21.	-	-	-	2	2	-	2	
22.	-	-	8,184	2,628	10,812	10,380	432	
23.	-	-	-	204	204	55	149	
24.	-	-	-	2	2	3		1
25.	-	-	-	206	206	58	148	
26.	-	-	-	171	171	27	144	
27.	-	-	50	5,630	5,680	19,164		13,484
28.	-	-	-	2	2	-	2	
29.	-	-	-	13	13	3	10	
30.	-	-	50	5,816	5,866	19,194		13,328
31.	-	20	196	177	373	715		342
32.	-	41	10,768	9,805	20,573	34,262		13,689

Table 23

TRAFFIC ON THE MURRAY

	Commodity	Canada to Canada		Canada to U. S.		U. S. to U. S.	
		Up	Down	Up	Down	Up	Down
		Tons	Tons	Tons	Tons	Tons	Tons
<u>ANIMAL PRODUCTS</u>							
1.	All other Animal products	139	-	-	-	-	-
2.	Total	139	-	-	-	-	-
<u>MANUFACTURES & MISCELLANEOUS</u>							
3.	Gasoline	-	2,745	-	-	-	-
4.	Total	-	2,745	-	-	-	-
5.	All other Freight	-	40	-	-	-	-
6.	GRAND TOTAL	139	2,785	-	-	-	-

Number of pleasure craft lockages in 1948 through canal = 983

Table 24

TRAFFIC ON THE ST. ANDREW'S

1.	Passengers	1,176	1,754	-	-	-	-
		Tons	Tons	Tons	Tons	Tons	Tons
<u>AGRICULTURAL PRODUCTS</u>							
2.	Oats	-	-	-	-	-	-
3.	Flour	-	264	-	-	-	-
4.	Hay and Straw	-	115	-	-	-	-
5.	Other Mill products	-	10	-	-	-	-
6.	Fruit and Vegetables	-	-	-	-	-	-
7.	Potatoes	-	3	-	-	-	-
8.	Total	-	392	-	-	-	-
<u>ANIMAL PRODUCTS</u>							
9.	Fish	2,584	33	-	-	-	-
10.	All other Animal products	3	3	-	-	-	-
11.	Total	2,587	36	-	-	-	-
<u>MANUFACTURES & MISCELLANEOUS</u>							
12.	Gasoline	2	1,018	-	-	-	-
13.	Petroleum & other Oils	-	43	-	-	-	-
14.	Cement, Brick, Plaster	-	178	-	-	-	-
15.	Iron, pig and bloom	-	-	-	-	-	-
16.	Iron and Steel, other	102	5	-	-	-	-
17.	Beverages	-	99	-	-	-	-
18.	Autos and Parts	7	35	-	-	-	-
19.	Total	111	1,378	-	-	-	-
<u>FOREST PRODUCTS</u>							
20.	Firewood	746	-	-	-	-	-
21.	Lumber, Mill, Cooperage stock	9,516	2	-	-	-	-
22.	Total	10,262	2	-	-	-	-
<u>MINE PRODUCTS</u>							
23.	Hard Coal	-	10	-	-	-	-
24.	Soft Coal	-	225	-	-	-	-
25.	Sand, Gravel and Stone	-	-	-	-	-	-
26.	Total	-	235	-	-	-	-
27.	All other Freight	181	3,512	-	-	-	-
28.	GRAND TOTAL	13,141	5,555	-	-	-	-

Number of pleasure craft lockages through locks in 1948 = 370

Tons (2,000 lbs.) of cargo.

CANAL DURING 1948

	U. S. to Canada		T o t a l		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
1.	-	-	139	-	139	-	139	
2.	-	-	139	-	139	-	139	
3.	-	-	-	2,745	2,745	1,000	1,745	
4.	-	-	-	2,745	2,745	1,000	1,745	
5.	-	15	-	55	55	-	55	
6.	-	15	139	2,800	2,939	1,000	1,939	

CANAL DURING 1948

1.	-	-	1,176	1,754	2,930	3,073		143
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	-	-	-	15		15
3.	-	-	-	264	264	349		85
4.	-	-	-	115	115	232		117
5.	-	-	-	10	10	6	4	
6.	-	-	-	-	-	39		39
7.	-	-	-	3	3	-	3	
8.	-	-	-	392	392	641		249
9.	-	-	2,584	33	2,617	2,336	281	
10.	-	-	3	3	6	4	2	
11.	-	-	2,587	36	2,623	2,340	283	
12.	-	-	2	1,018	1,020	1,263		243
13.	-	-	-	43	43	60		17
14.	-	-	-	178	178	257		79
15.	-	-	-	-	-	6		6
16.	-	-	102	5	107	430		323
17.	-	-	-	99	99	167		68
18.	-	-	7	35	42	28	14	
19.	-	-	111	1,378	1,489	2,211		722
20.	-	-	746	-	746	49	697	
21.	-	-	9,516	2	9,518	7,958	1,560	
22.	-	-	10,262	2	10,264	8,007	2,257	
23.	-	-	-	10	10	-	10	
24.	-	-	-	225	225	170	55	
25.	-	-	-	-	-	125		125
26.	-	-	-	235	235	295		60
27.	-	-	181	3,512	3,693	3,658	35	
28.	-	-	13,141	5,555	18,696	17,152	1,544	

Table 25

TRAFFIC ON THE

	Commodity	Canada to Canada		Canada to U. S.		U. S. to U. S.	
		Up	Down ⁽¹⁾	Up	Down	Up	Down
1.	Passengers - Number	103	137	-	-	-	-
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>MANUFACTURES & MISCELLANEOUS</u>						
2.	Gasoline	3	-	-	-	-	-
3.	Petroleum and other Oils	3	-	-	-	-	-
4.	Cement, Brick, Plaster	83	-	-	-	-	-
5.	Iron and Steel, other	18	-	-	-	-	-
6.	Total	107	-	-	-	-	-
	<u>FOREST PRODUCTS</u>						
7.	Logs, Posts, Poles, Piling	9	-	-	-	-	-
8.	Lumber, Mill, Cooperage stock	111	-	-	-	-	-
9.	Other Forest products	-	-	-	-	-	-
10.	Total	120	-	-	-	-	-
	<u>MINE PRODUCTS</u>						
11.	Soft Coal	25	10	-	-	-	-
12.	Sand, Gravel and Stone	30	888	-	-	-	-
13.	Total	55	898	-	-	-	-
14.	All other Freight	70	73	-	-	-	-
15.	GRAND TOTAL	352	971	-	-	-	-

Number of pleasure craft lockages in 1948 through locks = 18,443.

(1) Lake Ontario towards Ottawa River is classed as Down.

Table 26

TRAFFIC ON THE

1.	Passengers	-	-	-	-	-	-
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
2.	Gasoline	-	100	-	-	-	-
3.	Petroleum and other Oils	-	26	-	-	-	-
4.	Total	-	126	-	-	-	-
	<u>FOREST PRODUCTS</u>						
5.	Logs, Posts, Poles, Piling	-	-	-	-	-	-
6.	Total	-	-	-	-	-	-
	<u>MINE PRODUCTS</u>						
7.	Other Ore	-	38,540	-	-	-	-
8.	Total	-	38,540	-	-	-	-
9.	All other Freight	-	15	-	-	-	-
10.	GRAND TOTAL	-	38,681	-	-	-	-

Number of pleasure craft lockages in 1948 = 13,948.

Lake Huron towards Lake Ontario is classed as Down.

RIDEAU CANAL DURING 1948

	U. S. to Canada		T o t a l		Grand Total		Compared with 1947	
	Up	Down	Up	Down	1948	1947	Increase	Decrease
1.	-	-	103	137	x 240	121	119	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	5	-	3	1	2	
3.	-	-	3	-	3	2	1	
4.	-	-	83	-	83	139		56
5.	-	-	18	-	18	7	11	
6.	-	-	107	-	107	149		42
7.	-	-	9	-	9	50		41
8.	-	-	111	-	111	100	11	
9.	-	-	-	-	-	103		103
10.	-	-	120	-	120	253		133
11.	-	-	25	10	35	77		42
12.	-	-	30	888	918	920		2
13.	-	-	55	898	953	997		44
14.	-	-	70	73	143	109	34	
15.	-	-	352	971	1,323	1,508		185

x - Exclusive of 14,952 passengers at Ottawa.

TRENT CANAL DURING 1948

1.	-	-	-	-	-	2		2
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	-	100	100	114		14
3.	-	-	-	26	26	27		1
4.	-	-	-	126	126	141		15
5.	-	-	-	-	-	450		450
6.	-	-	-	-	-	450		450
7.	-	-	-	38,540	38,540	30,014	8,526	
8.	-	-	-	38,540	38,540	30,014	8,526	
9.	-	-	-	15	15	-	15	
10.	-	-	-	38,681	38,681	30,605	8,076	

Year	Month	Day	Time	Location	Remarks
1944	Jan	1	08:00	...	...
1944	Jan	2	08:00	...	...
1944	Jan	3	08:00	...	...
1944	Jan	4	08:00	...	...
1944	Jan	5	08:00	...	...
1944	Jan	6	08:00	...	...
1944	Jan	7	08:00	...	...
1944	Jan	8	08:00	...	...
1944	Jan	9	08:00	...	...
1944	Jan	10	08:00	...	...
1944	Jan	11	08:00	...	...
1944	Jan	12	08:00	...	...
1944	Jan	13	08:00	...	...
1944	Jan	14	08:00	...	...
1944	Jan	15	08:00	...	...
1944	Jan	16	08:00	...	...
1944	Jan	17	08:00	...	...
1944	Jan	18	08:00	...	...
1944	Jan	19	08:00	...	...
1944	Jan	20	08:00	...	...
1944	Jan	21	08:00	...	...
1944	Jan	22	08:00	...	...
1944	Jan	23	08:00	...	...
1944	Jan	24	08:00	...	...
1944	Jan	25	08:00	...	...
1944	Jan	26	08:00	...	...
1944	Jan	27	08:00	...	...
1944	Jan	28	08:00	...	...
1944	Jan	29	08:00	...	...
1944	Jan	30	08:00	...	...
1944	Jan	31	08:00	...	...

Year	Month	Day	Time	Location	Remarks
1944	Feb	1	08:00	...	...
1944	Feb	2	08:00	...	...
1944	Feb	3	08:00	...	...
1944	Feb	4	08:00	...	...
1944	Feb	5	08:00	...	...
1944	Feb	6	08:00	...	...
1944	Feb	7	08:00	...	...
1944	Feb	8	08:00	...	...
1944	Feb	9	08:00	...	...
1944	Feb	10	08:00	...	...
1944	Feb	11	08:00	...	...
1944	Feb	12	08:00	...	...
1944	Feb	13	08:00	...	...
1944	Feb	14	08:00	...	...
1944	Feb	15	08:00	...	...
1944	Feb	16	08:00	...	...
1944	Feb	17	08:00	...	...
1944	Feb	18	08:00	...	...
1944	Feb	19	08:00	...	...
1944	Feb	20	08:00	...	...
1944	Feb	21	08:00	...	...
1944	Feb	22	08:00	...	...
1944	Feb	23	08:00	...	...
1944	Feb	24	08:00	...	...
1944	Feb	25	08:00	...	...
1944	Feb	26	08:00	...	...
1944	Feb	27	08:00
1944	Feb	28	08:00
1944	Feb	29	08:00
1944	Feb	30	08:00
1944	Feb	31	08:00

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