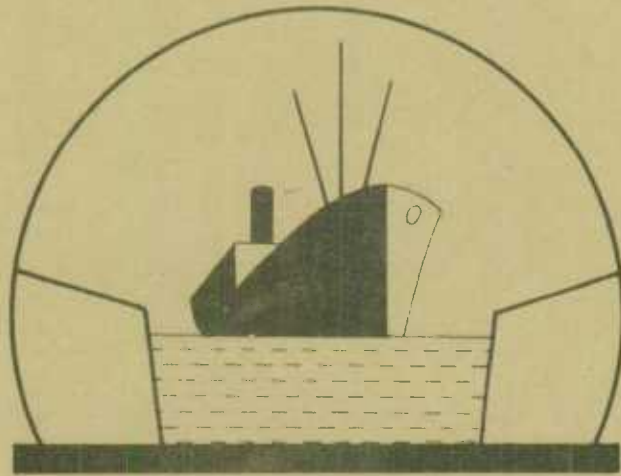


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**CANAL STATISTICS  
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**DOMINION BUREAU OF STATISTICS  
DEPARTMENT OF TRADE AND COMMERCE**

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**CANAL STATISTICS**

**FOR THE YEAR ENDED**

**DECEMBER 31**

**1949**

**Prepared in collaboration with the Department of Transport**

---

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CANAL STATISTICS

1 9 4 9

Canal Traffic Continues to Increase

With the major canal systems enjoying a season which averaged a week longer than in 1948, the tonnage of freight passing through the Canadian canals during 1949 rose from 23,559,313 to 24,373,752 tons, an advance of 814,439 tons or 3.5 p.c. over the preceding year. The 1949 total is surpassed only by the tonnage for 1938 at 24,636,462 tons. When the Prairie oil pipeline reaches Superior, new records may likely be established.

As shown in Table 2, the number of vessel passages amounted to 24,219 during the year, up 1,576 over the 1948 total. Canadian bottoms advanced from 19,859 to 21,724, while United States vessels eased from 2,455 to 2,159 and other foreign rose slightly from 329 to 336 vessels. Net tonnage of vessels was up 90,562 tons to 24,033,869 tons.

The Canadian locks at the Sault were in service 248 days compared with 244 one year earlier, Welland 281 days against 272 and the St. Lawrence 242 days as compared with 234 days during the 1948 season of navigation. Most of the smaller canals had shorter seasons.

Passenger traffic on the larger vessels showed a minor decline from 1948 with a decrease of 4,324 passengers to 81,216. The decline was at Sault Ste. Marie with the Welland and St. Lawrence reporting increased passenger traffic. In addition, there were thousands of small pleasure craft, both Canadian and American, locked through the canals. The Canada Steamships Lines have abandoned the historic "Rapids" service between Kingston and Montreal this season, so a decline is anticipated during the current year in the St. Lawrence passenger total.

In Table 1 Canadian canal traffic is combined with that through the United States locks at Sault Ste. Marie and traffic is divided according to the different canal systems through which it passed. Volume through the American Sault locks was down rather sharply from 1948 due to contraction in iron ore and soft coal shipments engendered by strikes.

From this table it is possible to follow the volume of traffic moving to and from Lake Superior ports and Montreal or beyond. This rose from 451,961 in 1948 to 719,674 tons as the flow of wheat and grain increased. Traffic using the St. Lawrence only declined from 4,190,930 to 3,754,733 tons, while that for the Welland only slipped from 7,511,821 to 6,369,623 tons. The combination of the St. Lawrence and Welland Ship Canals recorded 3,205,558 tons of freight, up 30 p.c. from the 2,466,753 tons passing during 1948. Vessels moving between Lake Ontario and Lake Superior only carried 3,397,354 tons compared with 3,142,786 tons one year earlier.

From this analysis it is readily ascertained by an examination of the up and down movements how much freight tonnage terminated or originated within certain regions or broad areas and used one or more canals. The totals, of course, do not include the considerable coastwise trade moving between ports on the same lake or between Lakes Michigan, Huron and Erie where no canal passages are necessary.

Including the 4 American locks at Sault Ste. Marie, which constitute an essential link in the Great Lakes canal system, the grand total of all canal freight traffic during 1949 was 118,260,007 tons as compared with 137,082,901 tons in 1948, a decline of 13.7 p.c. or 18,822,894 tons. The above totals include traffic using more than one canal. Of the 24,373,752 tons of freight passing through Canadian canals during 1949, 89.2 p.c. or 21,740,940 tons was transported in Canadian bottoms. Details are shown in Table 3. At the Welland 82 p.c. was in Canadian vessels while the St. Lawrence percentage was 98.1. Domestic vessels carried all the freight on the smaller canals.

The movement of foreign vessels up the St. Lawrence from overseas and the U.S. east coast, and using the canals, has revived since the end of the war. Dutch, Norwegian, Swedish, British, Finnish, Panamanian vessels again sail the Great Lakes. Cargoes of general merchandise, woodpulp, newsprint, china clay, fish, scrap iron, pulpwood, sugar, coffee, phosphate, fluorspar, tar, sand, alcolyte, coal, calcium, flour, soya bean oil, coke, autos, electrodes, tin ingots, canned milk and many other commodities were moved in



this trade. However, the great bulk of freight entering the St. Lawrence Canals from outside Canada was carried in Canadian bottoms returning from Newfoundland (to March 31, 1949) and the United States. Ocean going freighters are restricted by Lock 17 at Cornwall which has a length of 270 feet, is 43 feet, 6 inches wide, and has only 14 feet normal draught. This section is the center of the proposed Seaway plan which would nearly double the limiting depth from Lachine to Cardinal.

#### 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.

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 17 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 6 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 7, 8 and 9 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".

A summary of expenditures from pre-Confederation to March 31, 1949, on the Canadian canal system indicates a gross outlay of some \$369.2 millions on construction, repair and maintenance. With an operating credit of \$38.3 millions, the grand total net expenditures were some \$330.9 millions. The Welland systems have required a net of over \$159.1 millions.

Table 1.

CANADIAN CANAL TRAFFIC, 1949

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

∧ Duplications excluded

Tons of Freight (2,000 lbs.)

Canal	Up	Down	Total 1949	Total 1948
Ottawa only	147	12,103	12,250	3,600
Richelieu only	87,569	5,910	93,479	79,544
St. Lawrence and Ottawa	1,380	265,847	267,227	256,545
St. Lawrence, Ottawa & Richelieu	(1) -	(2) 2,853	2,853	3,198
St. Lawrence & Richelieu	(1) 10,149	(2) -	10,149	8,623
St. Lawrence only	1,741,355	2,013,378	3,754,733	4,190,930
St. Lawrence & Welland Ship	919,271	2,286,287	3,205,558	2,466,755
St. Lawrence, Welland Ship & Sault Ste. Marie	159,898	559,776	719,674	451,961
Welland Ship only	749,459	5,620,164	6,369,623	7,311,821
Welland Ship & Sault Ste. Marie	311,999	3,085,355	3,397,354	3,142,786
Sault Ste. Marie only (Canadian & U.S.) (3)	11,668,302	80,402,439	92,070,741	112,299,903
Rideau River	251	912	1,163	1,323
Trent	99	319	418	38,681
Murray	-	700	700	2,959
St. Andrew's	10,772	5,292	16,064	18,696
St. Peter's	6,567	6,112	12,679	20,573
Total	15,667,218	94,267,447	109,934,665	130,297,876

∧ Duplications 722,527 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.

Table 2

TOTAL TRAFFIC THROUGH THE

		Sault Ste. Marie	Welland Ship	St. Lawrence River	Ottawa River	Rideau
1.	Canadian Vessels .....	No. 3,027	5,575	8,662	1,212	159
2.	United States " .....	" 661	1,395	41	-	17
3.	Other Foreign " .....	" 4	164	167	-	-
4.	Total Vessels .....	" 3,692	7,132	8,870	1,212	176
5.	Passengers .....	" 50,921	13,059	13,328	8	615
		Tons	Tons	Tons	Tons	Tons
6.	Canadian Vessels - Steam .....	3,346,478	9,649,993	6,595,039	25,613	2,512
7.	Canadian Vessels - Sail / .....	173,645	121,194	304,074	304,592	4,120
8.	United States " - Steam .....	583,001	2,146,572	6,261	-	290
9.	United States " - Sail / .....	5,969	267,917	-	-	-
10.	Other Foreign " .....	2,394	122,210	124,401	-	-
11.	Total Vessels .....	4,111,487	12,307,886	7,029,775	330,205	6,922
<u>AGRICULTURAL PRODUCTS</u>						
12.	Barley .....	280,149	309,404	182,160	-	-
13.	Corn .....	27,325	410,727	329,782	-	-
14.	Oats .....	240,550	211,025	157,652	-	-
15.	Rye .....	50,435	60,441	60,111	-	-
16.	Flaxseed .....	42,748	206,999	153,282	-	-
17.	Wheat .....	491,005	3,190,654	2,223,162	-	-
18.	Other Grains .....	-	70,328	4,990	-	-
19.	Flour .....	70,151	12,545	12,318	-	-
20.	Hay and Straw .....	-	-	-	-	-
21.	Other Mill Products .....	106,400	3,473	5,616	-	-
22.	Fruit and Vegetables .....	-	-	-	-	-
23.	Potatoes .....	-	-	-	-	-
24.	Total .....	1,308,763	4,475,596	3,129,073	-	-
<u>ANIMAL PRODUCTS</u>						
25.	Fish .....	165	1,276	1,225	-	-
26.	Dressed Meats .....	-	-	-	-	-
27.	Other Packing-house Products .....	-	-	-	-	-
28.	All other Animal Products .....	-	-	4,399	-	-
29.	Total .....	165	1,276	5,624	-	-
<u>MANUFACTURES AND MISCELLANEOUS</u>						
30.	Gasoline .....	57,947	740,681	896,437	-	1
31.	Petroleum and other Oils .....	40,831	1,599,864	584,279	-	3
32.	Agricultural Implements .....	3,375	1,604	-	-	-
33.	Cement, Brick and Plaster .....	-	93,551	219	-	32
34.	Iron, pig and bloom .....	2,206	93,614	650	-	-
35.	Iron and Steel, other .....	3,900	18,250	28,716	-	11
36.	Sugar .....	18,346	53,958	55,790	-	-
37.	Salt .....	1,759	66,301	60,301	-	-
38.	Beverages .....	-	140	140	-	-
39.	Autos and Parts .....	9,077	2,711	4,046	-	-
40.	Paper .....	97,391	252,042	120,540	3,303	-
41.	Wood pulp .....	5,500	32,086	32,436	-	-
42.	Total .....	240,332	2,954,802	1,783,554	3,303	47
<u>FOREST PRODUCTS</u>						
43.	Pulpwood .....	97,102	504,186	420,482	32	-
44.	Logs, Posts, Poles, Piling .....	-	-	50	-	-
45.	Firewood .....	-	-	-	-	1
46.	Lumber, Mill, Cooperage Stock .....	-	-	34,122	-	156
47.	Other Forest Products .....	-	-	-	-	-
48.	Total .....	97,102	504,186	454,654	32	157
<u>MINE PRODUCTS</u>						
49.	Hard Coal .....	21,514	77,977	22,720	-	-
50.	Soft Coal .....	205,996	3,573,309	1,309,931	1,495	40
51.	Coke .....	16,117	29,802	8,989	-	-
52.	Copper Ore .....	-	-	-	-	-
53.	Iron Ore .....	2,961	1,236,365	230,993	-	-
54.	Other Ore .....	-	91,183	38,335	-	-
55.	Sand, Gravel and Stone .....	41,600	202,623	279,091	277,500	887
56.	Total .....	288,188	5,211,259	1,890,059	278,995	927
57.	All other Freight .....	366,964	545,090	697,230	-	32
58.	GRAND TOTAL .....	2,301,514	13,632,209	7,960,194	282,330	1,163

/ Includes unrigged vessels.

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

CANADIAN CANALS DURING 1949

	Richelieu River	Trent	Murray	St. Andrew's	St. Peter's	Total	Compared with 1948	
							Increase	Decrease
1.	705	996	55	554	781	21,724	1,865	
2.	28	-	-	-	17	2,159		296
3.	-	-	-	-	1	356	7	
4.	733	996	55	554	799	24,219	1,576	
5.	38	-	-	3,082	165	81,216		4,324
6.	Tons 53,789	Tons -	Tons 24,110	Tons 58,217	Tons 26,442	Tons 19,782,193	Tons 1,190,474	
7.	57,168	-	-	16,714	10,131	991,638		140,411
8.	597	-	-	-	416	2,737,137		907,547
9.	-	-	-	-	-	273,886		80,902
10.	-	-	-	-	10	249,015	28,948	
11.	111,554	(x) -	24,110	74,931	36,999	24,033,869	90,562	
12.	-	-	-	-	-	771,713		30,187
13.	-	-	-	-	-	767,834	628,605	
14.	-	-	-	30	22	609,279	396,573	
15.	-	-	-	-	-	170,987	53,239	
16.	-	-	-	-	-	403,029		9,381
17.	-	-	-	-	-	5,904,821	2,846,417	
18.	-	-	-	-	-	75,318	45,508	
19.	-	-	-	188	19	95,221	21,903	
20.	-	-	-	90	2	92		129
21.	-	-	-	3	11	115,503	764	
22.	-	-	-	5	274	279	151	
23.	-	-	-	-	2,778	2,778	619	
24.	-	-	-	316	3,106	8,916,854	3,954,082	
25.	37	-	-	1,992	1,437	6,132		1,896
26.	-	-	-	-	2	2		10
27.	-	-	-	-	-	-		3,469
28.	-	-	-	9	9	4,417	1,639	
29.	37	-	-	2,001	1,448	10,551		3,736
30.	-	-	700	844	2,424	1,699,034	151,527	
31.	76	-	-	84	162	2,225,299		77,856
32.	-	-	-	-	-	4,979	3,851	
33.	-	-	-	172	30	94,004	38,279	
34.	-	-	-	-	-	96,470	5,505	
35.	-	-	-	582	-	51,459	25,112	
36.	-	-	-	-	-	128,094	58,489	
37.	-	-	-	-	408	128,769		15,127
38.	-	-	-	128	-	408		177
39.	-	-	-	71	3	15,908	5,162	
40.	26,959	-	-	-	-	500,235	88,856	
41.	-	-	-	-	-	70,022		11,152
42.	27,035	-	700	1,881	3,027	5,014,681	272,449	
43.	-	-	-	-	-	1,021,802		248,454
44.	-	-	-	-	6	56	47	
45.	-	-	-	429	19	449		501
46.	-	-	-	8,100	72	42,450		5,214
47.	-	-	-	-	-	-		
48.	-	-	-	8,529	97	1,064,757		254,122
49.	185	-	-	-	3	122,399	14,779	
50.	3,555	-	-	139	3,532	5,097,997		2,872,845
51.	-	-	-	-	178	55,086		22,358
52.	-	-	-	-	-	-		
53.	-	-	-	-	-	1,470,319		270,804
54.	-	-	-	-	-	129,318		152,692
55.	425	-	-	-	12	802,138		7,029
56.	4,165	-	-	139	3,725	7,677,457		3,310,949
57.	75,244	418	-	3,198	1,276	1,589,452	156,715	
58.	106,481	418	700	16,064	12,679	24,373,752	814,439	

(x) Tons not available.

TABLE 3

TOTAL FREIGHT USING

Canal	Total	Total	Grand	Transported in	
	Up	Down		Canadian Vessels	
	Tons	Tons	Total	Tons	P.C. of Total
Sault Ste. Marie .....	726,575	1,575,159	2,301,514	2,285,512	99.3
Welland Ship .....	2,140,627	11,551,582	13,692,209	11,227,802	82.0
St. Lawrence .....	2,832,053	5,128,141	7,960,194	7,807,791	98.1
Ottawa River .....	1,527	280,803	282,330	282,330	100.0
Rideau .....	251	912	1,163	1,163	100.0
Richelieu River .....	90,422	16,059	106,481	106,481	100.0
Trent .....	99	519	418	418	100.0
Murray .....	-	700	700	700	100.0
St. Andrew's .....	10,772	5,292	16,064	16,064	100.0
St. Peter's .....	6,567	6,112	12,679	12,679	100.0
Total Canadian Canals ..	5,808,693	18,565,059	24,373,752	21,740,940	89.2
Sault Ste. Marie - Canadian and United States (x)	12,140,199	84,047,570	96,187,769	(1)	(1)

(x) From United States Official Report.

(1) Figures from United States Report not available.

TABLE 4

SEASON OF NAVIGATION, 1949

Canals	First Vessel Passage	Last Vessel Passage	Number of Days Used
Sault Ste. Marie .....	April 11	December 14	248
Welland Ship .....	March 15	December 20	281
St. Lawrence .....	April 14	December 11	242
Richelieu River .....	April 29	November 29	215
St. Peter's .....	April 12	January 15	277
Murray .....	April 8	November 26	255
Ottawa River .....	April 19	November 24	220
Rideau .....	May 1	November 18	202
Trent .....	May 11	November 2	176
St. Andrews .....	May 16	October 31	169

CANADIAN CANALS DURING 1949

Transported in Foreign Vessels		From Canadian to Canadian Ports		From Canadian to United States Ports		From United States to United States Ports		From United States to Canadian Ports	
Tons	P.C. of Total	Up Tons	Down Tons	Up Tons	Down Tons	Up Tons	Down Tons	Up Tons	Down Tons
16,002	.7	453,144	1,244,217	2,409	279,557	4,188	6,034	266,634	45,331
2,464,407	18.0	1,077,544	4,439,518	633,720	19,655	401,775	973,956	27,588	6,118,453
152,403	1.9	2,168,062	3,491,636	576,888	8,813	57,663	51,627	29,440	1,576,065
-	-	1,527	277,500	-	3,303	-	-	-	-
-	-	251	912	-	-	-	-	-	-
-	-	63,461	1,570	26,961	-	-	-	-	14,489
-	-	99	319	-	-	-	-	-	-
-	-	-	700	-	-	-	-	-	-
-	-	10,772	5,292	-	-	-	-	-	-
-	-	6,567	6,087	-	25	-	-	-	-
2,632,812	10.8	3,781,427	9,467,751	1,239,978	311,353	463,626	1,031,617	323,662	7,754,338
(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

Table 5

CANALS OF CANADA

Name	Location		Length in Miles	LOCKS			
				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 (3)
<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	339	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.		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.

VESSELS USING CANADIAN CANALS, 1949  
NUMBER AND NET REGISTERED TONS

Table 6

			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.	1,265	1,011	52	172	13	-
2.	Canadian Vessels - Sail	"	119	110	-	7	-	-
3.	United States " - Steam	"	-	-	1	27	107	517
4.	United States " - Sail	"	-	-	-	2	-	-
5.	Other Foreign "	"	-	-	-	2	1	1
6.	Total	"	1,384	1,121	53	210	121	518
7.	Canadian Vessels - Steam	Tons	1,446,478	1,108,265	153,501	223,276	42,050	-
8.	Canadian Vessels - Sail	"	63,901	40,395	-	14,427	-	-
9.	United States " - Steam	"	-	-	4,931	46,814	503,379	18,688
10.	United States " - Sail	"	-	-	-	2,745	-	-
11.	Other Foreign "	"	-	-	-	708	843	843
12.	Total	"	1,510,379	1,148,660	158,432	287,970	546,272	19,531
<u>WELLAND SHIP CANAL - Through &amp; Way</u>								
13.	Canadian Vessels - Steam	No.	1,357	1,546	1,442	43	9	3
14.	Canadian Vessels - Sail	"	31	30	4	-	1	2
15.	United States " - Steam	"	12	2	196	20	362	317
16.	United States " - Sail	"	4	1	26	14	110	99
17.	Other Foreign "	"	1	4	3	2	75	49
18.	Total	"	1,405	1,583	1,671	79	557	470
19.	Canadian Vessels - Steam	Tons	1,896,936	2,287,071	2,990,692	50,046	11,532	5,653
20.	Canadian Vessels - Sail	"	51,514	62,158	4,087	-	150	2,036
21.	United States " - Steam	"	6,554	845	609,298	8,458	464,370	438,027
22.	United States " - Sail	"	2,616	21	19,906	10,077	106,561	101,556
23.	Other Foreign "	"	717	2,183	2,395	708	56,499	37,400
24.	Total	"	1,958,337	2,352,278	3,626,378	69,289	639,112	584,672
<u>WELLAND SHIP CANAL - Through</u>								
25.	Canadian Vessels - Steam	No.	946	1,274	1,262	7	9	3
26.	Canadian Vessels - Sail	"	6	8	3	-	1	2
27.	United States " - Steam	"	5	1	172	7	362	317
28.	United States " - Sail	"	-	1	16	1	110	99
29.	Other Foreign "	"	-	2	3	2	75	49
30.	Total	"	957	1,286	1,456	17	557	470
31.	Canadian Vessels - Steam	Tons	1,431,689	1,938,044	2,653,608	6,857	11,532	5,653
32.	Canadian Vessels - Sail	"	1,162	2,022	1,084	-	150	2,036
33.	United States " - Steam	"	85	48	541,302	3,800	464,370	438,027
34.	United States " - Sail	"	-	21	13,366	1,014	106,561	101,556
35.	Other Foreign "	"	-	710	2,395	708	56,499	37,400
36.	Total	"	1,432,936	1,940,845	3,211,755	12,379	639,112	584,672
<u>WELLAND SHIP CANAL - Way</u>								
37.	Canadian Vessels - Steam	No.	411	272	180	36	-	-
38.	Canadian Vessels - Sail	"	25	22	1	-	-	-
39.	United States " - Steam	"	7	1	24	13	-	-
40.	United States " - Sail	"	4	-	10	13	-	-
41.	Other Foreign "	"	1	2	-	-	-	-
42.	Total	"	448	297	215	62	-	-
43.	Canadian Vessels - Steam	Tons	465,247	349,027	337,084	43,189	-	-
44.	Canadian Vessels - Sail	"	50,352	60,136	3,003	-	-	-
45.	United States " - Steam	"	6,469	797	67,996	4,658	-	-
46.	United States " - Sail	"	2,616	-	6,540	9,063	-	-
47.	Other Foreign "	"	717	1,473	-	-	-	-
48.	Total	"	525,401	411,433	414,623	56,910	-	-



VESSELS USING CANADIAN CANALS, 1949  
NUMBER AND NET REGISTERED TONS

	U. S. to Canada		Total		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	240	18	1,570	1,201	2,771	2,841		70
2.	20	-	139	117	256	415		159
3.	4	1	112	545	657	804		147
4.	2	-	2	2	4	5		1
5.	-	-	1	3	4	10		6
6.	266	19	1,824	1,868	3,692	4,075		383
7.	350,284	22,624	1,992,313	1,354,165	3,346,478	3,384,615		38,137
8.	54,922	-	118,823	54,822	173,645	368,248		194,603
9.	7,762	1,427	516,072	66,929	583,001	1,031,477		448,476
10.	3,224	-	3,224	2,745	5,969	7,009		1,040
11.	-	-	843	1,551	2,394	6,169		3,775
12.	416,192	24,051	2,631,275	1,480,212	4,111,487	4,797,518		686,031
13.	11	1,091	2,819	2,683	5,502	4,802	700	
14.	1	2	37	34	71	77		6
15.	16	184	586	523	1,109	1,195		86
16.	11	21	151	135	286	359		73
17.	-	30	79	85	164	138	26	
18.	39	1,328	3,672	3,460	7,132	6,571	561	
19.	13,482	2,394,581	4,912,642	4,737,351	9,649,993	9,082,756	567,237	
20.	654	595	56,405	64,789	121,194	80,572	40,622	
21.	4,952	614,068	1,085,174	1,061,398	2,146,572	2,589,178		442,606
22.	9,944	17,236	139,027	128,890	267,917	347,229		79,312
23.	-	22,308	59,611	62,599	122,210	97,388	24,822	
24.	29,032	3,048,788	6,252,859	6,055,027	12,307,886	12,197,123	110,763	
25.	11	1,011	2,228	2,295	4,523	3,917	606	
26.	-	2	10	12	22	17	5	
27.	11	159	550	484	1,034	1,059		25
28.	4	15	130	116	246	320		74
29.	-	27	78	80	158	129	29	
30.	26	1,214	2,996	2,987	5,983	5,442	541	
31.	13,482	2,255,361	4,110,311	4,205,915	8,316,226	7,884,093	432,133	
32.	-	595	2,396	4,653	7,049	4,959	2,090	
33.	4,552	547,248	1,010,309	989,123	1,999,432	2,188,805		189,373
34.	4,805	13,312	124,732	115,903	240,635	317,884		77,249
35.	-	20,067	58,894	58,885	117,779	89,769	28,010	
36.	22,839	2,836,583	5,306,642	5,374,479	10,681,121	10,485,510	195,611	
37.	-	80	591	388	979	885	94	
38.	1	-	27	22	49	60		11
39.	5	25	36	39	75	136		61
40.	7	6	21	19	40	39	1	
41.	-	3	1	5	6	9		3
42.	13	114	676	473	1,149	1,129	20	
43.	-	139,220	802,331	531,436	1,333,767	1,198,663	135,104	
44.	654	-	54,009	60,136	114,145	75,613	38,532	
45.	400	66,820	74,865	72,275	147,140	400,373		253,233
46.	5,139	3,924	14,295	12,987	27,282	29,345		2,063
47.	-	2,241	717	3,714	4,431	7,619		3,188
48.	6,193	212,205	946,217	680,548	1,626,765	1,711,613		84,848

Table 6 (Continued)

VESSELS USING CANADIAN CANALS, 1949

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.	2,974	3,200	918	18	27	-
2.	Canadian Vessels - Sail	"	395	385	-	-	-	-
3.	United States " - Steam	"	6	6	4	1	7	3
4.	United States " - Sail	"	-	-	-	-	-	-
5.	Other Foreign Vessels	"	-	5	2	4	75	59
6.	Total	"	3,375	3,596	924	23	109	62
7.	Canadian Vessels - Steam	Tons	2,252,523	2,504,021	1,059,247	3,036	31,119	-
8.	Canadian Vessels - Sail	"	153,611	150,463	-	-	-	-
9.	United States " - Steam	"	243	924	188	55	2,420	1,408
10.	United States " - Sail	"	-	-	-	-	-	-
11.	Other Foreign "	"	-	2,689	1,683	2,282	56,492	44,911
12.	Total	"	2,406,377	2,658,097	1,041,118	5,373	90,031	46,319
<u>ST. LAWRENCE RIVER CANALS - Through</u>								
13.	Canadian Vessels - Steam	No.	1,844	2,072	807	-	2	-
14.	Canadian Vessels - Sail	"	7	1	-	-	-	-
15.	United States " - Steam	"	4	4	4	-	6	2
16.	United States " - Sail	"	-	-	-	-	-	-
17.	Other Foreign "	"	-	5	-	4	75	59
18.	Total	"	1,855	2,082	811	4	83	61
19.	Canadian Vessels - Steam	Tons	1,972,782	2,272,699	906,233	-	1,873	-
20.	Canadian Vessels - Sail	"	2,098	349	-	-	-	-
21.	United States " - Steam	"	91	894	188	-	2,078	1,066
22.	United States " - Sail	"	-	-	-	-	-	-
23.	Other Foreign "	"	-	2,689	-	2,282	56,492	44,911
24.	Total	"	1,974,971	2,276,631	906,421	2,282	60,443	45,977
<u>ST. LAWRENCE RIVER CANALS - Way</u>								
25.	Canadian Vessels - Steam	No.	1,130	1,128	111	18	25	-
26.	Canadian Vessels - Sail	"	388	384	-	-	-	-
27.	United States " - Steam	"	2	2	-	1	1	1
28.	United States " - Sail	"	-	-	-	-	-	-
29.	Other Foreign "	"	-	-	2	-	-	-
30.	Total	"	1,520	1,514	113	19	26	1
31.	Canadian Vessels - Steam	Tons	279,741	231,322	133,014	3,036	29,246	-
32.	Canadian Vessels - Sail	"	151,513	150,114	-	-	-	-
33.	United States " - Steam	"	152	30	-	55	342	342
34.	United States " - Sail	"	-	-	-	-	-	-
35.	Other Foreign "	"	-	-	1,683	-	-	-
36.	Total	"	431,406	381,466	134,697	3,091	29,588	342
<u>RICHELIEU RIVER CANAL</u>								
37.	Canadian Vessels - Steam	No.	62	77	129	-	-	-
38.	Canadian Vessels - Sail	"	161	161	1	-	-	-
39.	United States " - Steam	"	2	3	13	-	-	-
40.	Other Foreign "	"	-	-	-	-	-	-
41.	Total	"	225	241	143	-	-	-
42.	Canadian Vessels - Steam	Tons	1,580	5,109	24,870	-	-	-
43.	Canadian Vessels - Sail	"	28,493	28,593	82	-	-	-
44.	United States " - Steam	"	34	80	293	-	-	-
45.	Other Foreign "	"	-	-	-	-	-	-
46.	Total	"	30,107	33,782	25,245	-	-	-

VESSELS USING CANADIAN CANALS, 1949  
NUMBER AND NET REGISTERED TONS

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	75	670	3,994	3,888	7,882	7,014	868	
2.	-	-	395	385	780	821		41
3.	2	12	19	22	41	47		6
4.	-	-	-	-	-	-		
5.	5	17	82	85	167	181		14
6.	82	699	4,490	4,380	8,870	8,063	807	
7.	22,038	743,055	3,344,927	3,250,112	6,595,039	5,890,515	704,524	
8.	-	-	153,611	150,463	304,074	304,222		148
9.	21	1,002	2,872	3,389	6,261	17,935		11,674
10.	-	-	-	-	-	-		
11.	3,697	12,647	61,872	62,529	124,401	116,510	7,891	
12.	25,756	756,704	3,563,282	3,466,493	7,029,775	6,329,182	700,593	
13.	1	559	2,654	2,631	5,285	4,576	709	
14.	-	-	7	1	8	13		5
15.	1	12	15	18	33	39		6
16.	-	-	-	-	-	-		
17.	3	17	78	85	163	174		11
18.	5	588	2,754	2,735	5,489	4,802	687	
19.	33	605,364	2,880,921	2,878,063	5,758,984	5,036,554	722,430	
20.	-	-	2,098	349	2,447	4,363		1,916
21.	12	1,002	2,369	2,962	5,331	15,399		10,068
22.	-	-	-	-	-	-		
23.	2,014	12,647	58,506	62,529	121,035	112,190	8,845	
24.	2,059	619,013	2,943,894	2,943,903	5,887,797	5,168,506	719,291	
25.	74	111	1,340	1,257	2,597	2,438	159	
26.	-	-	388	384	772	808		36
27.	1	-	4	4	8	8		
28.	-	-	-	-	-	-		
29.	2	-	4	-	4	7		3
30.	77	111	1,736	1,645	3,381	3,261	120	
31.	22,005	137,691	464,006	372,049	836,055	853,961		17,906
32.	-	-	151,513	150,114	301,627	299,859	1,768	
33.	9	-	503	427	930	2,536		1,606
34.	-	-	-	-	-	-		
35.	1,683	-	3,366	-	3,366	4,320		954
36.	23,697	137,691	619,388	522,590	1,141,978	1,160,676		18,698
37.	-	114	191	191	382	355	27	
38.	-	-	162	161	323	238	85	
39.	-	10	15	13	28	12	16	
40.	-	-	-	-	-	-		
41.	-	124	368	365	733	605	128	
42.	-	22,230	26,450	27,339	53,789	51,611	2,178	
43.	-	-	28,575	28,593	57,168	42,319	14,849	
44.	-	190	327	270	597	384	213	
45.	-	-	-	-	-	-		
46.	-	22,420	55,352	56,202	111,554	94,314	17,240	

Table 6 (Concluded)

VESSELS USING CANADIAN CANALS, 1949  
NUMBER AND NET REGISTERED TONS

			Canada to Canada		Canada to U. S.		U. S. to U. S.	
			Up	Down	Up	Down	Up	Down
<b>OTTAWA RIVER CANALS</b>								
1.	Canadian Vessels - Steam	No.	224	216	-	15	-	-
2.	Canadian Vessels - Sail	"	377	372	-	-	-	-
3.	Total	"	601	588	-	15	-	-
4.	Canadian Vessels - Steam	Tons	11,371	9,780	-	2,910	-	-
5.	Canadian Vessels - Sail	"	152,633	151,959	-	-	-	-
6.	Total	"	164,004	161,739	-	2,910	-	-
<b>ST. PETER'S CANAL</b>								
7.	Canadian Vessels - Steam	No.	315	413	-	1	-	-
8.	Canadian Vessels - Sail	"	28	24	-	-	-	-
9.	United States " - Steam	"	6	5	-	3	1	-
10.	United States " - Sail	"	-	-	-	-	-	-
11.	Other Foreign "	"	-	1	-	-	-	-
12.	Total	"	349	443	-	4	1	-
13.	Canadian Vessels - Steam	Tons	11,110	15,266	-	66	-	-
14.	Canadian Vessels - Sail	"	5,995	4,136	-	-	-	-
15.	United States " - Steam	"	130	113	-	55	15	-
16.	United States " - Sail	"	-	-	-	-	-	-
17.	Other Foreign "	"	-	10	-	-	-	-
18.	Total	"	17,235	19,525	-	121	15	-
<b>MURRAY CANAL</b>								
19.	Canadian Vessels - Steam	No.	5	10	40	-	-	-
20.	Canadian Vessels - Sail	"	-	-	-	-	-	-
21.	United States " - Steam	"	-	-	-	-	-	-
22.	United States " - Sail	"	-	-	-	-	-	-
23.	Total	"	5	10	40	-	-	-
24.	Canadian Vessels - Steam	Tons	284	986	22,840	-	-	-
25.	Canadian Vessels - Sail	"	-	-	-	-	-	-
26.	United States " - Steam	"	-	-	-	-	-	-
27.	United States " - Sail	"	-	-	-	-	-	-
28.	Total	"	284	986	22,840	-	-	-
<b>ST. ANDREW'S CANAL</b>								
29.	Canadian Vessels - Steam	No.	254	255	-	-	-	-
30.	Canadian Vessels - Sail	"	22	23	-	-	-	-
31.	Total	"	276	278	-	-	-	-
32.	Canadian Vessels - Steam	Tons	29,055	29,162	-	-	-	-
33.	Canadian Vessels - Sail	"	8,359	8,355	-	-	-	-
34.	Total	"	37,414	37,517	-	-	-	-
<b>RIDEAU CANAL</b>								
35.	Canadian Vessels - Steam	No.	51	47	-	-	-	-
36.	Canadian Vessels - Sail	"	33	28	-	-	-	-
37.	United States " - Steam	"	4	12	-	-	-	-
38.	Total	"	88	87	-	-	-	-
39.	Canadian Vessels - Steam	Tons	1,242	1,270	-	-	-	-
40.	Canadian Vessels - Sail	"	2,339	1,781	-	-	-	-
41.	United States " - Steam	"	90	191	-	-	-	-
42.	Total	"	3,671	3,242	-	-	-	-
<b>TRENT CANAL</b>								
43.	Canadian Vessels - Steam	No.	536	460	-	-	-	-
44.	Canadian Vessels - Sail	"	-	-	-	-	-	-
45.	Total	"	536	460	-	-	-	-
46.	Canadian Vessels - Steam	Tons	-	-	-	-	-	-
47.	Canadian Vessels - Sail	"	-	-	-	-	-	-
48.	Total	"	-	-	-	-	-	-

VESSELS USING CANADIAN CANALS, 1949  
NUMBER AND NET REGISTERED TONS

	U. S. to Canada		Total		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	8	-	232	231	463	409	54	
2.	-	-	377	372	749	697	52	
3.	8	-	609	603	1,212	1,106	106	
4.	1,552	-	12,923	12,690	25,613	23,179	2,434	
5.	-	-	152,633	151,959	304,592	283,648	20,944	
6.	1,552	-	165,556	164,649	330,205	306,827	23,378	
7.	-	-	315	414	729	744		15
8.	-	-	28	24	52	50	2	
9.	2	-	9	8	17	22		5
10.	-	-	-	-	-	-		
11.	-	-	-	1	1	-	1	
12.	-	-	352	447	799	816		17
13.	-	-	11,110	15,332	26,442	29,929		3,487
14.	-	-	5,995	4,136	10,131	10,152		21
15.	103	-	248	168	416	2,428		2,012
16.	-	-	-	-	-	-		
17.	-	-	-	10	10	-	10	
18.	103	-	17,353	19,646	36,999	42,509		5,510
19.	-	-	45	10	55	89		34
20.	-	-	-	-	-	2		2
21.	-	-	-	-	-	5		5
22.	-	-	-	-	-	1		1
23.	-	-	45	10	55	97		42
24.	-	-	23,124	986	24,110	33,347		9,237
25.	-	-	-	-	-	103		103
26.	-	-	-	-	-	3,234		3,234
27.	-	-	-	-	-	550		550
28.	-	-	23,124	986	24,110	37,234		13,124
29.	-	-	254	255	509	570		61
30.	-	-	22	23	45	42	3	
31.	-	-	276	278	554	612		58
32.	-	-	29,055	29,162	58,217	56,259	1,958	
33.	-	-	8,359	8,355	16,714	16,605	109	
34.	-	-	37,414	37,517	74,931	72,864	2,067	
35.	-	-	51	47	98	74	24	
36.	-	-	33	28	61	65		4
37.	1	-	5	12	17	5	12	
38.	1	-	89	87	176	144	32	
39.	-	-	1,242	1,270	2,512	1,655	857	
40.	-	-	2,339	1,781	4,120	4,118	2	
41.	9	-	99	191	290	48	242	
42.	9	-	3,680	3,242	6,922	5,821	1,101	
43.	-	-	536	460	996	287	709	
44.	-	-	-	-	-	267		267
45.	-	-	536	460	(1) 996	554	442	
46.	-	-	-	-	-	37,853		37,853
47.	-	-	-	-	-	22,062		22,062
48.	-	-	-	-	(2) -	59,915		59,915

(1) One vessel through one lock recorded as "1".

(2) Tonnage not available.

Table 7

FREIGHT RATES BY WATER ON CANADIAN WHEAT DURING 1948 and 1949

Fort William - Port Arthur to -	1948			1949		
	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 .....	11.00	3.67	0.299	12.50	4.17	0.340
May .....	11.00	3.67	0.299	12.50	4.17	0.340
June .....	11.00	3.67	0.299	12.50	4.17	0.340
July .....	11.00	3.67	0.299	12.50	4.17	0.340
August .....	11.00	3.67	0.299	12.50	4.17	0.340
September .....	11.00	3.67	0.299	12.50	4.17	0.340
October .....	11.00	3.67	0.299	12.50	4.17	0.340
November .....	12.50	4.17	0.340	12.50	4.17	0.340
December .....	-	-	-	-	-	-
Average .....	11.17	3.72	0.303	12.50	4.17	0.340
Including storage .....	-	-	-	-	-	-
<u>Goderich and Georgian Bay -</u>						
April .....	4.00	1.33	0.248	4.50	1.50	0.279
May .....	4.00	1.33	0.248	4.50	1.50	0.279
June .....	4.00	1.33	0.248	4.50	1.50	0.279
July .....	4.00	1.33	0.248	4.50	1.50	0.279
August .....	4.00	1.33	0.248	4.50	1.50	0.279
September .....	4.00	1.33	0.248	4.50	1.50	0.279
October .....	4.50	1.50	0.279	4.50	1.50	0.279
November .....	4.50	1.50	0.279	4.50	1.50	0.279
December .....	4.85	1.52	0.302	-	-	-
Average .....	4.27	1.42	0.284	4.50	1.50	0.279
Including storage .....	4.65	1.55	0.289	4.87	1.62	0.302
<u>Port Colborne -</u>						
April .....	5.50	1.83	0.216	6.00	2.00	0.236
May .....	5.50	1.83	0.216	6.00	2.00	0.236
June .....	5.59	1.86	0.219	6.00	2.00	0.236
July .....	5.50	1.83	0.216	6.00	2.00	0.236
August .....	5.35	1.78	0.210	5.98	1.99	0.235
September .....	5.50	1.83	0.216	6.14	2.05	0.242
October .....	5.74	1.91	0.225	6.25	2.08	0.245
November .....	6.00	2.00	0.236	5.89	1.96	0.231
December .....	6.00	2.00	0.236	6.00	2.00	0.236
Average .....	5.62	1.87	0.221	6.07	2.02	0.238
Including storage .....	6.24	2.08	0.245	6.22	2.07	0.244
<u>Buffalo and other U.S. Ports -</u>						
April .....	-	-	-	7.00	2.33	0.270
May .....	-	-	-	7.02	2.34	0.271
June .....	6.50	2.17	0.252	7.00	2.33	0.270
July .....	-	-	-	7.00	2.33	0.270
August .....	-	-	-	-	-	-
September .....	-	-	-	5.00	1.67	0.194
October .....	7.54	2.51	0.291	4.97	1.66	0.193
November .....	7.52	2.51	0.291	6.76	2.25	0.261
December .....	-	-	-	9.00	3.00	0.348
Average .....	7.52	2.51	0.291	6.41	2.14	0.248
Including storage .....	7.54	2.51	0.291	6.75	2.25	0.261
<u>Port Colborne to Montreal -</u>						
April .....	5.50	1.83	0.482	7.00	2.33	0.613
May .....	6.00	2.00	0.526	7.00	2.33	0.613
June .....	6.00	2.00	0.526	6.97	2.32	0.611
July .....	6.00	2.00	0.526	7.00	2.33	0.613
August .....	6.00	2.00	0.526	6.95	2.32	0.611
September .....	6.00	2.00	0.526	7.00	2.33	0.613
October .....	6.04	2.01	0.529	6.99	2.33	0.613
November .....	6.19	2.06	0.542	7.00	2.33	0.613
December .....	-	-	-	-	-	-
Average .....	6.02	2.01	0.529	6.99	2.33	0.613

Table 8

FREIGHT RATES BY WATER ON BARLEY AND OATS DURING 1949

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
<u>Montreal -</u>						
April .....	11.75	4.90	0.399	-	-	-
May .....	11.75	4.90	0.399	10.00	5.88	0.479
June .....	11.75	4.90	0.399	9.50	5.59	0.455
July .....	11.75	4.90	0.399	9.50	5.59	0.455
August .....	11.81	4.92	0.401	9.50	5.59	0.455
September .....	11.75	4.90	0.399	9.68	5.69	0.463
October .....	11.75	4.90	0.399	9.50	5.59	0.455
November .....	11.75	4.90	0.399	10.05	5.91	0.481
December .....	-	-	-	-	-	-
Average .....	11.76	4.90	0.399	9.75	5.74	0.467
<u>Goderich and Georgian Bay Ports -</u>						
April .....	4.25	1.77	0.330	4.00	2.35	0.438
May .....	4.25	1.77	0.330	4.00	2.35	0.438
June .....	4.25	1.77	0.330	4.00	2.35	0.438
July .....	4.26	1.78	0.331	4.01	2.36	0.439
August .....	4.25	1.77	0.330	4.00	2.35	0.438
September .....	4.25	1.77	0.330	4.00	2.35	0.438
October .....	4.25	1.77	0.330	4.00	2.35	0.438
November .....	4.25	1.77	0.330	4.04	2.38	0.443
December .....	-	-	-	4.00	2.35	0.438
Average .....	4.25	1.77	0.330	4.01	2.36	0.439
<u>Port Colborne -</u>						
April .....	5.75	2.40	0.285	5.25	3.09	0.364
May .....	5.98	2.49	0.294	5.25	3.09	0.364
June .....	5.75	2.40	0.283	5.25	3.09	0.364
July .....	5.71	2.38	0.281	5.18	3.05	0.360
August .....	5.75	2.40	0.283	5.10	3.00	0.354
September .....	6.43	2.68	0.316	4.89	2.88	0.340
October .....	6.24	2.60	0.307	5.24	3.08	0.363
November .....	5.75	2.40	0.283	5.41	3.18	0.375
December .....	-	-	-	-	-	-
Average .....	6.15	2.56	0.302	5.21	3.06	0.361
<u>Buffalo and other U. S. Ports -</u>						
April .....	7.94	3.31	0.384	12.25	7.26	0.842
May .....	6.75	2.81	0.326	7.00	4.12	0.478
June .....	7.37	3.07	0.356	7.00	4.12	0.478
July .....	7.48	3.12	0.362	-	-	-
August .....	6.15	2.56	0.297	-	-	-
September .....	4.63	1.93	0.224	6.53	3.84	0.445
October .....	5.07	2.11	0.245	7.03	4.14	0.480
November .....	5.20	2.17	0.252	6.26	3.68	0.427
December .....	-	-	-	6.00	3.53	0.410
Average .....	5.98	2.49	0.289	6.90	4.06	0.471
<u>Port Colborne to Montreal -</u>						
April .....	-	-	-	-	-	-
May .....	6.50	2.71	0.713	-	-	-
June .....	6.50	2.71	0.713	-	-	-
July .....	-	-	-	-	-	-
August .....	6.49	2.70	0.711	5.00	2.94	0.774
September .....	6.50	2.71	0.713	4.97	2.92	0.768
October .....	6.50	2.71	0.713	4.89	2.88	0.758
November .....	-	-	-	4.00	2.55	0.618
December .....	-	-	-	-	-	-
Average .....	6.50	2.71	0.713	4.64	2.73	0.718

Table 9

FREIGHT RATES BY WATER ON FLAX AND RYE DURING 1949

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 .....	14.26	5.09	0.414	12.50	4.46	0.363
May .....	13.50	4.82	0.393	12.50	4.46	0.363
June .....	-	-	-	12.50	4.46	0.363
July .....	-	-	-	12.50	4.46	0.363
August .....	-	-	-	-	-	-
September .....	-	-	-	-	-	-
October .....	-	-	-	-	-	-
November .....	13.32	4.76	0.388	-	-	-
December .....	-	-	-	-	-	-
Average .....	13.62	4.86	0.396	12.50	4.46	0.363
<u>Goderich and Georgian Bay Ports -</u>						
April .....	5.56	1.99	0.371	4.50	1.61	0.300
May .....	5.52	1.97	0.367	4.50	1.61	0.300
June .....	5.50	1.96	0.365	-	-	-
July .....	5.50	1.96	0.365	-	-	-
August .....	-	-	-	4.50	1.61	0.300
September .....	-	-	-	-	-	-
October .....	5.50	1.96	0.365	-	-	-
November .....	5.25	1.87	0.348	-	-	-
December .....	-	-	-	-	-	-
Average .....	5.48	1.96	0.365	4.50	1.61	0.300
<u>Port Colborne -</u>						
April .....	-	-	-	6.00	2.14	0.252
May .....	-	-	-	6.00	2.14	0.252
June .....	-	-	-	6.00	2.14	0.252
July .....	-	-	-	6.00	2.14	0.252
August .....	-	-	-	-	-	-
September .....	-	-	-	-	-	-
October .....	7.87	2.81	0.351	-	-	-
November .....	7.49	2.67	0.315	-	-	-
December .....	-	-	-	-	-	-
Average .....	7.61	2.72	0.321	6.00	2.14	0.252
<u>Buffalo and other U. S. Ports -</u>						
April .....	-	-	-	6.69	2.39	0.277
May .....	-	-	-	6.75	2.41	0.280
June .....	-	-	-	7.00	2.50	0.290
July .....	-	-	-	-	-	-
August .....	-	-	-	-	-	-
September .....	-	-	-	-	-	-
October .....	-	-	-	5.17	1.85	0.215
November .....	-	-	-	5.00	1.79	0.208
December .....	-	-	-	-	-	-
Average .....	-	-	-	5.74	2.05	0.238
<u>Port Colborne to Montreal -</u>						
April .....	-	-	-	7.00	2.50	0.658
May .....	-	-	-	-	-	-
June .....	-	-	-	6.98	2.49	0.655
July .....	-	-	-	5.96	2.13	0.561
August .....	-	-	-	5.74	2.05	0.539
September .....	-	-	-	-	-	-
October .....	6.50	2.32	0.611	-	-	-
November .....	-	-	-	-	-	-
December .....	-	-	-	-	-	-
Average .....	6.50	2.32	0.611	6.33	2.26	0.595



TABLE 10

FREIGHT CARRIED UP THE ST. LAWRENCE CANALS  
FROM OUTSIDE POINTS

Country of Registry	Number of Vessels		Cargo (Tons)	Cargo (Tons)
	1948	1949	1948	1949
Canada	139	111	210,520	113,415
United States	1	-	1,844	-
Great Britain	6	4	1,195	1,025
Norway	29	36	51,216	53,169
Sweden	16	17	18,305	19,146
Holland	15	21	14,610	19,659
Denmark	1	-	1,500	-
Finland	-	1	-	1,450
Panama	-	1	-	955
Total	205	191	279,190	188,799

FREIGHT CARRIED DOWN THE ST. LAWRENCE CANALS  
TO OUTSIDE POINTS

Canada	54	60	59,620	79,464
Great Britain	15	4	6,007	770
Norway	28	27	30,645	27,750
Sweden	10	12	8,180	8,911
Holland	11	21	11,775	20,973
Germany	-	1	-	653
Total	118	125	116,227	158,521

Table 11

Traffic on the SAULT STE. MARIE

	Commodity	Canada to Canada		Canada to U. S.		U. S. to U. S.	
		Up	Down	Up	Down	Up	Down
1.	Passengers ..... No.	9,418	7,597	-	67	-	33,642
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>AGRICULTURAL PRODUCTS</u>						
2.	Barley .....	867	240,275	-	36,386	-	-
3.	Corn .....	-	2,940	-	2,968	-	-
4.	Oats .....	-	207,903	-	5,346	-	6,008
5.	Rye .....	-	42,151	-	8,284	-	-
6.	Flaxseed .....	-	42,748	-	-	-	-
7.	Wheat .....	-	460,590	-	30,415	-	-
8.	Other Grains .....	-	-	-	-	-	-
9.	Flour .....	31	70,120	-	-	-	-
10.	Hay and Straw .....	-	-	-	-	-	-
11.	Other Mill products .....	-	106,400	-	-	-	-
12.	Fruit and Vegetables .....	-	-	-	-	-	-
13.	Potatoes .....	-	-	-	-	-	-
14.	Total .....	898	1,173,127	-	83,399	-	6,008
	<u>ANIMAL PRODUCTS</u>						
15.	Fish .....	-	165	-	-	-	-
16.	Dressed Meats .....	-	-	-	-	-	-
17.	Other Packing-house products	-	-	-	-	-	-
18.	All other Animal Products ...	-	-	-	-	-	-
19.	Total .....	-	165	-	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline .....	47,280	1,830	-	-	-	-
21.	Petroleum & other Oils .....	31,888	3,163	-	-	-	-
22.	Agricultural Implements .....	3,375	-	-	-	-	-
23.	Cement, Brick, Plaster .....	-	-	-	-	-	-
24.	Iron, pig and bloom .....	2,206	-	-	-	-	-
25.	Iron and Steel, other .....	3,128	-	-	-	772	-
26.	Sugar .....	18,346	-	-	-	-	-
27.	Salt .....	1,759	-	-	-	-	-
28.	Beverages .....	-	-	-	-	-	-
29.	Autos and Parts .....	5,606	1,260	-	-	2,211	-
30.	Paper .....	-	-	-	97,391	-	-
31.	Wood Pulp .....	-	-	-	5,500	-	-
32.	Total .....	113,588	6,253	-	102,891	2,983	-
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood .....	-	10,796	-	86,306	-	-
34.	Logs, Posts, Poles, Piling ..	-	-	-	-	-	-
35.	Firewood .....	-	-	-	-	-	-
36.	Lumber, Mill, Cooperage stock	-	-	-	-	-	-
37.	Other Forest products .....	-	-	-	-	-	-
38.	Total .....	-	10,796	-	86,306	-	-
	<u>MINE PRODUCTS</u>						
39.	Hard Coal .....	-	-	-	-	-	-
40.	Soft Coal .....	3,846	60	-	-	-	-
41.	Coke .....	-	-	-	1,200	-	-
42.	Copper Ore .....	-	-	-	-	-	-
43.	Iron Ore .....	-	-	-	2,961	-	-
44.	Other Ore .....	-	-	-	-	-	-
45.	Sand, Gravel and Stone .....	-	41,600	-	-	-	-
46.	Total .....	3,846	41,660	-	4,161	-	-
47.	All other Freight .....	334,812	12,216	2,409	2,800	1,205	26
48.	Grand Total .....	453,144	1,244,217	2,409	279,557	4,188	6,034

Tons (2000 lbs.) of cargo.

Number of pleasure craft lockages in 1949 through the lock = 359

CANAL during 1949

	U. S. to Canada		Total		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	-	197	9,418	41,503	50,921	63,707		12,786
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	2,621	867	279,282	280,149	290,139		9,990
3.	-	21,417	-	27,325	27,325	22,429	4,896	
4.	-	21,293	-	240,550	240,550	100,994	139,556	
5.	-	-	-	50,435	50,435	25,209	25,226	
6.	-	-	-	42,748	42,748	114,141		71,393
7.	-	-	-	491,005	491,005	422,133	68,872	
8.	-	-	-	-	-	-		
9.	-	-	31	70,120	70,151	61,119	9,032	
10.	-	-	-	-	-	-		
11.	-	-	-	106,400	106,400	110,800		4,400
12.	-	-	-	-	-	-		
13.	-	-	-	-	-	-		
14.	-	45,331	898	1,307,865	1,308,763	1,146,964	161,799	
15.	-	-	-	165	165	153	12	
16.	-	-	-	-	-	-		
17.	-	-	-	-	-	-		
18.	-	-	-	-	-	-		
19.	-	-	-	165	165	153	12	
20.	8,837	-	56,117	1,830	57,947	100,915		42,968
21.	5,780	-	37,668	3,163	40,831	80,557		39,726
22.	-	-	3,375	-	3,375	250	3,125	
23.	-	-	-	-	-	-		
24.	-	-	2,206	-	2,206	11,640		9,434
25.	-	-	3,900	-	3,900	7,161		3,261
26.	-	-	18,346	-	18,346	10,127	8,219	
27.	-	-	1,759	-	1,759	4,093		2,334
28.	-	-	-	-	-	-		
29.	-	-	7,817	1,260	9,077	8,067	1,010	
30.	-	-	-	97,391	97,391	86,766	10,625	
31.	-	-	-	5,500	5,500	1,953	3,547	
32.	14,617	-	131,188	109,144	240,332	311,529		71,197
33.	-	-	-	97,102	97,102	158,884		61,782
34.	-	-	-	-	-	-		
35.	-	-	-	-	-	-		
36.	-	-	-	-	-	-		
37.	-	-	-	-	-	-		
38.	-	-	-	97,102	97,102	158,884		61,782
39.	21,514	-	21,514	-	21,514	9,804	11,710	
40.	202,090	-	205,936	60	205,996	274,363		68,367
41.	14,917	-	14,917	1,200	16,117	29,973		13,856
42.	-	-	-	-	-	-		
43.	-	-	-	2,961	2,961	2,734	227	
44.	-	-	-	-	-	-		
45.	-	-	-	41,600	41,600	41,720		120
46.	238,521	-	242,367	45,821	288,188	358,594		70,406
47.	13,496	-	351,922	15,042	366,964	394,938		27,974
48.	266,634	45,331	726,375	1,575,139	2,301,514	2,371,062		69,548

TABLE 12

TRAFFIC THROUGH CANALS AT SAULT STE. MARIE

	U P			D O W N
	Canadian Canal	United States Canal	Total	Canadian Canal
	No.	No.	No.	No.
Vessel Passages .....	1,824	9,093	10,917	1,868
Registered Tonnage .....	2,631,275	35,755,854	38,387,129	1,480,212
Passengers .....	9,418	46,894	56,312	41,503
	<u>Tons</u>	<u>Tons</u>	<u>Tons</u>	<u>Tons</u>
Lumber .....	-	-	-	-
Pulpwood .....	-	-	-	97,102
Flour .....	-	-	-	70,120
Wheat .....	-	-	-	491,005
Grain (other than wheat) ...	-	-	-	640,340
Copper .....	-	-	-	-
Iron Ore .....	-	137,712	137,712	2,961
Pig Iron .....	-	-	-	-
Manufactured Iron and Steel	6,106	55,887	61,993	-
Soft Coal and Coke .....	205,936	8,469,101	8,675,037	1,260
Hard Coal .....	21,514	251,911	273,425	-
Salt .....	1,759	52,434	54,193	-
Oil and Gasoline .....	93,785	973,926	1,067,711	4,993
Stone .....	-	1,230,915	1,230,915	41,600
Merchandise and Miscellaneous	397,275	241,938	639,213	225,758
Total Freight .....	726,375	11,413,824	12,140,199	1,575,139

CANADIAN AND UNITED STATES, IN 1949

D O W N		GRAND TOTAL	Compared with 1948	
United States Canal	Total		Increase	Decrease
No.	No.	No.	No.	No.
9,034	10,902	21,813		2,077
36,850,797	38,331,009	76,718,138		10,130,427
15,190	56,693	113,005	489	
<u>Tons</u>	<u>Tons</u>	<u>Tons</u>	<u>Tons</u>	<u>Tons</u>
-	-	-		
368,406	465,508	465,508		223,422
3,123	73,243	73,243	10,691	
7,548,101	8,039,106	8,039,106	1,425,687	
2,500,053	3,140,393	3,140,393	555,962	
-	-	-		
71,741,308	71,744,269	71,881,981		13,548,253
134,490	134,490	134,490	122,850	
129,751	129,751	191,744	47,699	
-	1,260	8,676,297		7,911,724
-	-	273,425		87,246
-	-	54,193	6,615	
-	4,993	1,072,704	43,362	
9,004	50,604	1,281,519		87,425
38,195	263,953	903,166		61,677
82,472,431	84,047,570	96,187,769		19,706,881

Table 15

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 ..... No.	-	-	6,247	2	4	3
		Tons	Tons	Tons	Tons	Tons	Tons
	<b>AGRICULTURAL PRODUCTS</b>						
2.	Barley .....	-	295,347	-	-	-	-
3.	Corn .....	-	141,430	-	-	1,811	41,338
4.	Oats .....	-	179,928	-	-	-	-
5.	Rye .....	1,819	56,018	-	-	-	-
6.	Flaxseed .....	-	205,724	-	-	-	1,275
7.	Wheat .....	35,597	2,502,082	11,100	-	-	572,221
8.	Other Grains .....	-	6,081	-	-	-	3,066
9.	Flour .....	125	12,170	-	250	-	-
10.	Hay and Straw .....	-	-	-	-	-	-
11.	Other Mill products .....	868	2,605	-	-	-	-
12.	Fruit and Vegetables .....	-	-	-	-	-	-
13.	Potatoes .....	-	-	-	-	-	-
14.	Total .....	38,409	3,401,385	11,100	250	1,811	617,900
	<b>ANIMAL PRODUCTS</b>						
15.	Fish .....	-	-	1,225	-	-	-
16.	Dressed Meats .....	-	-	-	-	-	-
17.	Other Packing-house products .....	-	-	-	-	-	-
18.	All other Animal products .....	-	-	-	-	-	-
19.	Total .....	-	-	1,225	-	-	-
	<b>MANUFACTURES AND MISCELLANEOUS</b>						
20.	Gasoline .....	288,228	298,854	700	-	102,567	23,010
21.	Petroleum and other Oils .....	143,439	413,600	1,400	-	130,097	71,540
22.	Agricultural Implements .....	1,604	-	-	-	-	-
23.	Cement, Brick, Plaster .....	25,269	-	-	-	-	70,282
24.	Iron, pig and bloom .....	2,206	-	5,650	-	-	76,361
25.	Iron and steel, other .....	60	39	-	-	56	4,295
26.	Sugar .....	25,232	-	-	-	30,726	-
27.	Salt .....	-	21,485	-	-	-	-
28.	Beverages .....	140	-	-	-	-	-
29.	Autos and Parts .....	1,434	1,198	-	-	-	-
30.	Paper .....	2,052	1,535	228,438	19,405	612	-
31.	Wood pulp .....	700	-	25,539	-	5,847	-
32.	Total .....	486,364	736,711	261,727	19,405	269,905	245,488
	<b>FOREST PRODUCTS</b>						
33.	Pulpwood .....	215,064	178,285	108,652	-	-	2,185
34.	Logs, Posts, Poles, Piling .....	-	-	-	-	-	-
35.	Firewood .....	-	-	-	-	-	-
36.	Lumber, Mill, Cooperage stock .....	-	-	-	-	-	-
37.	Other Forest products .....	-	-	-	-	-	-
38.	Total .....	215,064	178,285	108,652	-	-	2,185
	<b>MINE PRODUCTS</b>						
39.	Hard Coal .....	-	-	-	-	69,074	-
40.	Soft Coal .....	3,910	12,300	-	-	-	17,100
41.	Coke .....	1,200	-	-	-	-	2,848
42.	Copper Ore .....	-	-	-	-	-	-
43.	Iron Ore .....	24,664	16,700	170,915	-	-	-
44.	Other Ore .....	30,230	-	56,943	-	4,010	-
45.	Sand, Gravel and Stone .....	60,465	36,600	12,850	-	2,100	-
46.	Total .....	120,469	65,600	240,708	-	75,184	19,948
47.	All other Freight .....	217,238	57,537	10,308	-	54,875	88,435
48.	GRAND TOTAL .....	1,077,544	4,439,518	633,720	19,655	401,775	973,956

Number of pleasure craft lockages in 1949 through 8 locks = 74. Tons (2,000 lbs.) of cargo.  
 Exclusive of 329 vessels entering and 329 vessels clearing from Port Dalhousie Harbour.

WELLAND SHIP CANAL during 1949

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
1.	-	6,803	6,251	6,808	13,059	5,790	7,269	
2.	-	14,057	-	309,404	309,404	325,331		15,927
3.	-	226,148	1,811	408,916	410,727	61,425	349,302	
4.	-	31,097	-	211,025	211,025	76,512	134,513	
5.	-	2,604	1,819	58,622	60,441	49,647	10,794	
6.	-	-	-	206,999	206,999	172,367	34,632	
7.	-	69,654	46,697	3,143,957	3,190,654	1,748,323	1,442,331	
8.	-	61,181	-	70,328	70,328	28,030	42,298	
9.	-	-	125	12,420	12,545	5,532	7,013	
10.	-	-	-	-	-	-	-	
11.	-	-	868	2,605	3,473	2,451	1,022	
12.	-	-	-	-	-	-	-	
13.	-	-	-	-	-	-	-	
14.	-	404,741	51,320	4,424,276	4,475,596	2,469,818	2,005,978	
15.	-	51	1,225	51	1,276	2,008		732
16.	-	-	-	-	-	-		
17.	-	-	-	-	-	3,450		3,450
18.	-	-	-	-	-	-		
19.	-	51	1,225	51	1,276	5,458		4,182
20.	2,000	25,322	393,495	347,186	740,681	842,458		101,777
21.	12,500	827,288	287,436	1,312,428	1,599,864	1,432,719	167,145	
22.	-	-	1,604	-	1,604	250	1,354	
23.	-	-	23,269	70,282	93,551	55,215	38,336	
24.	-	9,397	7,856	85,758	93,614	79,200	14,414	
25.	-	13,800	116	18,134	18,250	10,041	8,209	
26.	-	-	53,958	-	53,958	27,822	26,136	
27.	-	44,816	-	66,301	66,301	72,789		6,488
28.	-	-	140	-	140	183		43
29.	-	79	1,434	1,277	2,711	1,377	1,334	
30.	-	-	231,102	20,940	252,042	205,940	46,102	
31.	-	-	32,086	-	32,086	36,667		4,581
32.	14,500	920,702	1,032,496	1,922,306	2,954,802	2,764,661	190,141	
33.	-	-	323,716	180,470	504,186	522,598		18,412
34.	-	-	-	-	-	-		
35.	-	-	-	-	-	-		
36.	-	-	-	-	-	-		
37.	-	-	-	-	-	-		
38.	-	-	323,716	180,470	504,186	522,598		18,412
39.	8,903	-	77,977	-	77,977	70,203	7,774	
40.	2,240	3,537,759	6,150	3,567,159	3,573,309	5,044,710		1,471,401
41.	-	25,754	1,200	28,602	29,802	42,087		12,285
42.	-	-	-	-	-	-		
43.	-	1,024,086	195,579	1,040,786	1,236,365	1,645,952		409,587
44.	-	-	91,183	-	91,183	156,547		65,364
45.	-	90,608	75,415	127,208	202,623	188,912	13,711	
46.	11,143	4,678,207	447,504	4,763,755	5,211,259	7,148,411		1,937,152
47.	1,945	114,752	284,366	260,724	545,090	462,575	82,515	
48.	27,588	6,118,453	2,140,627	11,551,582	13,692,209	13,373,321	318,888	

Table 14

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 ..... No.	-	-	4,325	2	4	3
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>AGRICULTURAL PRODUCTS</u>						
2.	Barley .....	-	295,347	-	-	-	-
3.	Corn .....	-	141,430	-	-	1,811	41,338
4.	Oats .....	-	179,928	-	-	-	-
5.	Rye .....	-	54,199	-	-	-	-
6.	Flaxseed .....	-	205,724	-	-	-	1,275
7.	Wheat .....	13,950	2,222,937	11,100	-	-	572,221
8.	Other Grains .....	-	6,081	-	-	-	3,066
9.	Flour .....	-	10,568	-	-	-	-
10.	Hay and Straw .....	-	-	-	-	-	-
11.	Other Mill products .....	868	2,605	-	-	-	-
12.	Fruit and Vegetables .....	-	-	-	-	-	-
13.	Potatoes .....	-	-	-	-	-	-
14.	Total .....	14,818	3,118,919	11,100	-	1,811	617,900
	<u>ANIMAL PRODUCTS</u>						
15.	Fish .....	-	-	1,225	-	-	-
16.	Dressed Meats .....	-	-	-	-	-	-
17.	Other Packing-house products .....	-	-	-	-	-	-
18.	All other Animal products .....	-	-	-	-	-	-
19.	Total .....	-	-	1,225	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline .....	261,635	269,121	700	-	102,567	23,010
21.	Petroleum and other Oils .....	113,884	362,650	1,400	-	130,097	71,540
22.	Agricultural Implements .....	1,489	-	-	-	-	-
23.	Cement, Brick, Plaster .....	23,269	-	-	-	-	70,282
24.	Iron, pig and bloom .....	-	-	-	-	-	76,361
25.	Iron and Steel, other .....	60	20	-	-	56	4,295
26.	Sugar .....	23,232	-	-	-	30,726	-
27.	Salt .....	-	21,485	-	-	-	-
28.	Beverages .....	140	-	-	-	-	-
29.	Autos and Parts .....	1,434	1,198	-	-	-	-
30.	Paper .....	-	-	101,358	-	612	-
31.	Wood pulp .....	-	-	25,539	-	5,847	-
32.	Total .....	425,143	654,474	128,997	-	269,905	245,488
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood .....	-	-	108,652	-	-	2,185
34.	Logs, Posts, Poles, Piling .....	-	-	-	-	-	-
35.	Firewood .....	-	-	-	-	-	-
36.	Lumber, Mill, Cooperage stock .....	-	-	-	-	-	-
37.	Other Forest products .....	-	-	-	-	-	-
38.	Total .....	-	-	108,652	-	-	2,185
	<u>MINE PRODUCTS</u>						
39.	Hard Coal .....	-	-	-	-	69,074	-
40.	Soft Coal .....	-	8,950	-	-	-	17,100
41.	Coke .....	1,200	-	-	-	-	2,848
42.	Copper Ore .....	-	-	-	-	-	-
43.	Iron Ore .....	7,469	11,500	170,915	-	-	-
44.	Other Ore .....	18,020	-	51,943	-	4,010	-
45.	Sand, Gravel and Stone .....	6,200	-	2,850	-	2,100	-
46.	Total .....	32,889	20,450	225,708	-	75,184	19,948
47.	All other Freight .....	203,255	46,508	10,299	-	54,875	88,435
48.	GRAND TOTAL .....	676,105	3,840,251	485,981	-	401,775	973,956

Tons (2,000 lbs.) of cargo.



WELLAND SHIP CANAL during 1949

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	-	4,881	4,329	4,886	9,215	5,316	3,899	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	14,057	-	309,404	309,404	323,723		14,319
3.	-	226,148	1,811	408,916	410,727	61,425	349,302	
4.	-	31,097	-	211,025	211,025	74,708	136,317	
5.	-	2,604	-	56,803	56,803	49,647	7,156	
6.	-	-	-	206,999	206,999	172,367	34,632	
7.	-	69,654	25,050	2,864,812	2,889,862	1,535,748	1,354,114	
8.	-	61,181	-	70,328	70,328	28,030	42,298	
9.	-	-	-	10,568	10,568	1,499	9,069	
10.	-	-	-	-	-	-	-	
11.	-	-	868	2,605	3,473	2,451	1,022	
12.	-	-	-	-	-	-	-	
13.	-	-	-	-	-	-	-	
14.	-	404,741	27,729	4,141,460	4,169,189	2,249,598	1,919,591	
15.	-	51	1,225	51	1,276	2,008		732
16.	-	-	-	-	-	-	-	
17.	-	-	-	-	-	3,450		3,450
18.	-	-	-	-	-	-	-	
19.	-	51	1,225	51	1,276	5,458		4,182
20.	2,000	24,587	366,902	316,718	683,620	787,823		104,203
21.	10,300	827,288	255,681	1,261,478	1,517,159	1,343,092	174,067	
22.	-	-	1,489	-	1,489	250	1,239	
23.	-	-	23,269	70,282	93,551	55,215	38,336	
24.	-	9,397	-	85,758	85,758	68,150	17,608	
25.	-	13,800	116	18,115	18,231	8,925	9,306	
26.	-	-	53,958	-	53,958	27,822	26,136	
27.	-	44,816	-	66,301	66,301	72,789		6,488
28.	-	-	140	-	140	78	62	
29.	-	79	1,434	1,277	2,711	1,377	1,334	
30.	-	-	101,970	-	101,970	78,232	23,738	
31.	-	-	31,386	-	37,386	31,139	247	
32.	12,500	919,967	836,345	1,819,929	2,656,274	2,474,892	181,382	
33.	-	-	108,652	2,185	110,837	166,308		55,471
34.	-	-	-	-	-	-	-	
35.	-	-	-	-	-	-	-	
36.	-	-	-	-	-	-	-	
37.	-	-	-	-	-	-	-	
38.	-	-	108,652	2,185	110,837	166,308		55,471
39.	8,903	-	77,977	-	77,977	63,620	14,357	
40.	2,240	3,284,314	2,240	3,310,364	3,312,604	4,660,192		1,347,588
41.	-	20,274	1,200	23,122	24,322	31,287		6,965
42.	-	-	-	-	-	-	-	
43.	-	1,024,086	178,384	1,035,586	1,213,970	1,639,618		425,648
44.	-	-	73,973	-	73,973	131,223		57,250
45.	-	90,608	11,150	90,608	101,758	78,112	23,646	
46.	11,143	4,419,282	344,924	4,459,680	4,804,604	6,604,052		1,799,448
47.	1,945	76,883	270,374	211,826	482,200	417,570	64,630	
48.	25,388	5,820,924	1,589,249	10,635,131	12,224,380	11,917,878	306,502	

Table 15

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 ..... No.	-	-	1,922	-	-	-
	<u>Agricultural Products</u>	Tons	Tons	Tons	Tons	Tons	Tons
2.	Barley .....	-	-	-	-	-	-
3.	Corn .....	-	-	-	-	-	-
4.	Oats .....	-	-	-	-	-	-
5.	Rye .....	1,819	1,819	-	-	-	-
6.	Flaxseed .....	-	-	-	-	-	-
7.	Wheat .....	21,647	279,145	-	-	-	-
8.	Other Grains .....	-	-	-	-	-	-
9.	Flour .....	125	1,602	-	250	-	-
10.	Hay and Straw .....	-	-	-	-	-	-
11.	Other Mill products .....	-	-	-	-	-	-
12.	Fruit and Vegetables .....	-	-	-	-	-	-
13.	Potatoes .....	-	-	-	-	-	-
14.	Total .....	23,591	282,566	-	250	-	-
	<u>ANIMAL PRODUCTS</u>						
15.	Fish .....	-	-	-	-	-	-
16.	Dressed Meats .....	-	-	-	-	-	-
17.	Other Packing-house products .....	-	-	-	-	-	-
18.	All other Animal products .....	-	-	-	-	-	-
19.	Total .....	-	-	-	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline .....	26,593	29,733	-	-	-	-
21.	Petroleum and other Oils .....	29,555	50,950	-	-	-	-
22.	Agricultural Implements .....	115	-	-	-	-	-
23.	Cement, Brick, Plaster .....	-	-	-	-	-	-
24.	Iron, pig and bloom .....	2,206	-	5,650	-	-	-
25.	Iron and Steel, other .....	-	19	-	-	-	-
26.	Sugar .....	-	-	-	-	-	-
27.	Salt .....	-	-	-	-	-	-
28.	Beverages .....	-	-	-	-	-	-
29.	Autos and Parts .....	-	-	-	-	-	-
30.	Paper .....	2,052	1,535	127,080	19,405	-	-
31.	Wood pulp .....	700	-	-	-	-	-
32.	Total .....	61,221	82,237	132,730	19,405	-	-
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood .....	215,064	178,285	-	-	-	-
34.	Logs, Posts, Poles, Piling .....	-	-	-	-	-	-
35.	Firewood .....	-	-	-	-	-	-
36.	Lumber, Mill, Cooperage stock .....	-	-	-	-	-	-
37.	Other Forest products .....	-	-	-	-	-	-
38.	Total .....	215,064	178,285	-	-	-	-
	<u>MINE PRODUCTS</u>						
39.	Hard Coal .....	-	-	-	-	-	-
40.	Soft Coal .....	3,910	3,350	-	-	-	-
41.	Coke .....	-	-	-	-	-	-
42.	Copper Ore .....	-	-	-	-	-	-
43.	Iron Ore .....	17,195	5,200	-	-	-	-
44.	Other Ore .....	12,210	-	5,000	-	-	-
45.	Sand, Gravel and Stone .....	54,265	36,600	10,000	-	-	-
46.	Total .....	87,580	45,150	15,000	-	-	-
47.	All other Freight .....	13,983	11,029	9	-	-	-
48.	GRAND TOTAL .....	401,439	599,267	147,739	19,655	-	-

Tons (2,000 lbs.) of cargo.

WELLAND SHIP CANAL during 1949

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	-	1,922	1,922	1,922	3,844	474	3,370	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	-	-	-	1,608		1,608
3.	-	-	-	-	-	-		-
4.	-	-	-	-	-	1,804		1,804
5.	-	-	1,819	1,819	3,638	-	3,638	
6.	-	-	-	-	-	-		-
7.	-	-	21,647	279,145	300,792	212,575	88,217	
8.	-	-	-	-	-	-		-
9.	-	-	125	1,852	1,977	4,033		2,056
10.	-	-	-	-	-	-		-
11.	-	-	-	-	-	-		-
12.	-	-	-	-	-	-		-
13.	-	-	-	-	-	-		-
14.	-	-	23,591	282,816	306,407	220,020	86,387	
15.	-	-	-	-	-	-		-
16.	-	-	-	-	-	-		-
17.	-	-	-	-	-	-		-
18.	-	-	-	-	-	-		-
19.	-	-	-	-	-	-		-
20.	-	735	26,593	30,468	57,061	54,635	2,426	
21.	2,200	-	31,755	50,950	82,705	89,627		6,922
22.	-	-	115	-	115	-	115	
23.	-	-	-	-	-	-		-
24.	-	-	7,856	-	7,856	11,050		3,194
25.	-	-	-	19	19	1,116		1,097
26.	-	-	-	-	-	-		-
27.	-	-	-	-	-	-		-
28.	-	-	-	-	-	105		105
29.	-	-	-	-	-	-		-
30.	-	-	129,132	20,940	150,072	127,708	22,364	
31.	-	-	700	-	700	5,528		4,828
32.	2,200	735	196,151	102,377	298,528	289,769	8,759	
33.	-	-	215,064	178,285	393,349	356,290	37,059	
34.	-	-	-	-	-	-		-
35.	-	-	-	-	-	-		-
36.	-	-	-	-	-	-		-
37.	-	-	-	-	-	-		-
38.	-	-	215,064	178,285	393,349	356,290	37,059	
39.	-	-	-	-	-	6,583		6,583
40.	-	253,445	3,910	256,795	260,705	384,518		123,813
41.	-	5,480	-	5,480	5,480	10,800		5,320
42.	-	-	-	-	-	-		-
43.	-	-	17,195	5,200	22,395	6,334	16,061	
44.	-	-	17,210	-	17,210	25,324		8,114
45.	-	-	64,265	36,600	100,865	110,800		9,935
46.	-	258,925	102,580	304,075	406,655	544,359		137,704
47.	-	37,869	13,992	48,898	62,890	45,005	17,885	
48.	2,200	297,529	551,378	916,451	1,467,829	1,455,443	12,386	

Table 16

WELLAND SHIP CANAL TRAFFIC

Season of Navigation, 1949

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 .....	64	339,893	820,626	107	438,627	74,948
Toronto .....	98	210,137	381,530	125	242,449	125,394
Kingston .....	69	274,138	607,489	39	157,886	14,118
Prescott, Ogdensburg & Brockville	55	182,545	404,443	28	99,267	112
Oswego and South .....	62	237,494	534,664	17	60,881	3,050
Other Lake Ontario Ports .....	8	12,408	-	26	36,518	78,883
Montreal and below .....	236	301,174	539,436	203	258,949	129,733
Other Ports below Prescott .....	7	8,059	20,340	58	68,305	30,165
Welland Ship Canal .....	65	171,672	336,603	33	66,133	15,494
Total .....	664	1,737,520	3,645,131	636	1,429,015	471,897
<u>Lake Michigan and</u>						
Hamilton .....	21	92,173	207,695	5	12,257	-
Toronto .....	20	36,786	79,613	4	6,817	-
Kingston .....	4	11,234	28,038	1	14	-
Prescott, Ogdensburg & Brockville	6	12,338	29,287	1	753	-
Oswego and South .....	15	47,125	101,941	9	25,525	52,694
Other Lake Ontario Ports .....	2	704	-	1	500	-
Montreal and below .....	63	64,106	117,160	122	121,266	129,754
Other Ports below Prescott .....	12	14,271	35,085	8	9,287	285
Welland Ship Canal .....	10	25,736	31,569	42	95,013	120,505
Total .....	153	304,473	630,388	193	271,432	303,238
<u>Lake Huron and</u>						
Hamilton .....	6	25,694	52,702	5	11,412	-
Toronto .....	1	65	-	4	9,894	-
Kingston .....	-	-	-	1	5,635	-
Prescott, Ogdensburg & Brockville	1	1,200	1,350	1	4,439	-
Oswego and South .....	9	25,875	70,300	11	32,639	16,380
Other Lake Ontario Ports .....	2	64	-	2	156	-
Montreal and below .....	51	55,608	140,021	3	3,436	-
Other Ports below Prescott .....	-	-	-	5	5,508	-
Welland Ship Canal .....	39	73,095	106,906	30	57,448	-
Total .....	109	181,601	371,279	62	130,567	16,380
<u>Sarnia to Port Colborne and</u>						
Hamilton .....	262	788,380	1,763,283	279	853,060	1,366
Toronto .....	512	1,117,353	1,997,376	492	1,097,942	33,373
Kingston .....	20	14,970	21,373	42	126,530	-
Prescott, Ogdensburg & Brockville	49	47,090	87,735	58	113,584	22,765
Oswego and South .....	274	206,738	170,201	380	445,307	294,059
Other Lake Ontario Ports .....	205	258,438	467,396	250	260,369	59,508
Montreal and below .....	819	936,217	1,836,427	579	659,101	508,540
Other Ports below Prescott .....	26	30,422	69,643	138	159,253	12,728
Welland Ship Canal .....	176	268,216	383,604	283	421,608	55,099
Total .....	2,343	3,667,824	6,797,038	2,501	4,136,754	987,438
<u>Welland Ship Canal and</u>						
Hamilton .....	5	5,406	68	21	27,315	8,600
Toronto .....	13	13,671	1,233	33	41,838	15,953
Kingston .....	4	2,838	1,689	7	5,209	10
Prescott, Ogdensburg & Brockville	2	2,112	-	5	10,900	1,802
Oswego and South .....	27	15,048	16,805	15	7,501	4,300
Other Lake Ontario Ports .....	80	66,546	-	61	40,732	63,045
Montreal and below .....	57	56,520	85,080	134	149,625	267,197
Other Ports below Prescott .....	3	1,468	2,871	4	2,871	767
Total .....	191	163,609	107,746	280	285,091	381,874
<b>GRAND TOTAL</b>	<b>3,460</b>	<b>6,055,027</b>	<b>11,551,582</b>	<b>3,672</b>	<b>6,252,859</b>	<b>2,140,827</b>

(1 ton = 2,000 lbs.)

Table 17

GRAIN DOWN-BOUND THROUGH THE WELLAND SHIP CANAL, 1949

	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	547,300	-	-	-	454,179	-	1,001,479
In United States vessels	-	-	-	-	-	-	-
From Canadian Ports to United States Ports -							
In Canadian vessels	-	-	-	-	-	-	-
In United States vessels	-	-	-	-	-	-	-
From United States Ports to United States Ports -							
In United States vessels	-	-	-	-	-	-	-
From Canadian Ports to Canadian Ports -							
In Canadian vessels	83,402,733	12,306,125	10,584,000	2,000,643	452,536	7,347,286	116,093,323
In United States vessels	-	-	-	-	-	-	-
<u>United States Grain -</u>							
From United States Ports to Canadian Ports -							
In Canadian vessels	538,000	585,708	1,829,235	93,000	7,550,429	-	10,596,372
In United States vessels	37,095	-	-	-	-	-	37,095
From United States Ports to United States Ports -							
In Canadian vessels	335,000	-	-	-	-	-	335,000
In United States vessels	18,739,033	-	-	-	1,476,714	45,536	20,261,283
From Canadian Ports to Canadian Ports -							
In Canadian vessels	-	-	-	-	4,598,536	-	4,598,536
In United States vessels	-	-	-	-	-	-	-
<b>Total grain</b>	<b>103,599,161</b>	<b>12,891,833</b>	<b>12,413,235</b>	<b>2,093,643</b>	<b>14,532,394</b>	<b>7,392,822</b>	<b>152,923,088</b>
Canadian Grain in United States vessels	-	-	-	-	-	-	-
United States Grain in Canadian vessels	873,000	585,708	1,829,235	93,000	12,148,965	-	15,529,908

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 .....No.	-	13,328	-	-	-	-
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>AGRICULTURAL PRODUCTS</u>						
2.	Barley .....	2,848	167,548	-	-	-	-
3.	Corn .....	-	188,954	-	-	-	-
4.	Oats .....	612	126,171	-	-	-	-
5.	Rye .....	-	57,507	-	-	-	-
6.	Flaxseed .....	-	153,282	-	-	-	-
7.	Wheat .....	1,425	2,219,162	235	-	-	-
8.	Other grains .....	-	2,023	-	-	-	-
9.	Flour .....	-	12,068	-	250	-	-
10.	Hay and Straw .....	-	-	-	-	-	-
11.	Other mill products .....	-	5,616	-	-	-	-
12.	Fruit and vegetables .....	-	-	-	-	-	-
13.	Potatoes .....	-	-	-	-	-	-
14.	Total .....	4,885	2,932,331	235	250	-	-
	<u>ANIMAL PRODUCTS</u>						
15.	Fish .....	-	-	1,225	-	-	-
16.	Dressed meats .....	-	-	-	-	-	-
17.	Other packing-house products ..	-	-	-	-	-	-
18.	All other animal products .....	-	4,399	-	-	-	-
19.	Total .....	-	4,399	1,225	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline .....	892,137	4,300	-	-	-	-
21.	Petroleum & other oils .....	574,876	5,615	-	653	-	-
22.	Agricultural implements .....	-	-	-	-	-	-
23.	Cement, brick, plaster .....	-	219	-	-	-	-
24.	Iron, pig and bloom .....	-	650	-	-	-	-
25.	Iron and steel, other .....	-	28,570	-	90	56	-
26.	Sugar .....	50,316	24	-	-	5,450	-
27.	Salt .....	-	21,485	-	-	-	-
28.	Beverages .....	140	-	-	-	-	-
29.	Autos and parts .....	2,163	1,779	-	25	-	-
30.	Paper .....	2,490	1,535	112,600	3,303	612	-
31.	Wood pulp .....	1,050	-	25,530	-	5,847	-
32.	Total .....	1,523,172	64,177	138,139	4,071	11,965	-
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood .....	219,280	-	201,202	-	-	-
34.	Logs, posts, poles, piling ....	-	50	-	-	-	-
35.	Firewood .....	-	-	-	-	-	-
36.	Lumber, mill, cooperage stock ..	31,969	2,153	-	-	-	-
37.	Other forest products .....	-	-	-	-	-	-
38.	Total .....	251,249	2,203	201,202	-	-	-
	<u>MINE PRODUCTS</u>						
39.	Hard coal .....	17,657	-	-	-	-	-
40.	Soft coal .....	3,476	60	-	-	-	-
41.	Coke .....	-	-	-	-	-	2,848
42.	Copper ore .....	-	-	-	-	-	-
43.	Iron ore .....	20,160	-	210,833	-	-	-
44.	Other ore .....	26,710	5,200	6,425	-	-	-
45.	Sand, gravel and stone .....	2,025	271,216	5,650	-	-	-
46.	Total .....	70,028	276,476	222,908	-	-	2,848
47.	All other freight .....	318,728	212,050	13,179	4,492	45,998	48,779
48.	GRAND TOTAL .....	2,168,062	3,491,636	576,888	8,813	57,663	51,627

Tons (2,000 lbs.) of cargo.

Number of pleasure craft lockages in 1949 = 578.

ST. LAWRENCE CANALS During 1949

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	-	-	-	13,328	13,328	12,417	911	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	11,764	2,848	179,312	182,160	186,430		4,270
3.	-	140,828	-	329,782	329,782	55,375	274,407	
4.	-	30,869	612	157,040	157,652	35,199	122,453	
5.	-	2,604	-	60,111	60,111	42,892	17,219	
6.	-	-	-	153,282	153,282	125,902	27,380	
7.	-	2,340	1,660	2,221,502	2,223,162	887,947	1,335,215	
8.	-	2,967	-	4,990	4,990	1,780	3,210	
9.	-	-	-	12,318	12,318	6,388	5,930	
10.	-	-	-	-	-	106		106
11.	-	-	-	5,616	5,616	1,472	4,144	
12.	-	-	-	-	-	-		
13.	-	-	-	-	-	-		
14.	-	191,372	5,120	3,123,953	3,129,073	1,343,491	1,785,582	
15.	-	-	1,225	-	1,225	2,258		1,033
16.	-	-	-	-	-	-		
17.	-	-	-	-	-	-		
18.	-	-	-	4,399	4,399	2,612	1,787	
19.	-	-	<del>1,225</del>	4,399	5,624	4,870	754	
20.	-	-	892,137	4,300	896,437	590,844	305,593	
21.	935	2,200	575,811	8,468	584,279	788,642		204,363
22.	-	-	-	-	-	648		648
23.	-	-	-	219	219	17	202	
24.	-	-	-	650	650	125	525	
25.	-	-	56	28,660	28,716	9,020	19,696	
26.	-	-	55,766	24	55,790	31,656	24,134	
27.	-	38,816	-	60,301	60,301	66,829		6,528
28.	-	-	140	-	140	303		163
29.	-	79	2,163	1,883	4,046	1,258	2,788	
30.	-	-	115,702	4,838	120,540	88,875	31,665	
31.	-	-	32,436	-	32,436	42,554		10,118
32.	935	41,095	1,674,211	109,343	1,783,554	1,620,771	162,783	
33.	-	-	420,482	-	420,482	588,774		168,292
34.	-	-	-	50	50	-	50	
35.	-	-	-	-	-	-		
36.	-	-	31,969	2,153	34,122	38,053		3,931
37.	-	-	-	-	-	-		
38.	-	-	452,451	2,203	454,654	626,807		172,153
39.	-	5,063	17,657	5,063	22,720	27,432		4,712
40.	-	1,306,395	3,476	1,306,455	1,309,931	2,644,484		1,334,553
41.	-	6,141	-	8,989	8,989	5,382	3,607	
42.	-	-	-	-	-	-		
43.	-	-	230,993	-	230,993	92,437	138,556	
44.	-	-	33,135	5,200	38,335	87,123		48,788
45.	200	-	7,875	271,216	279,091	314,010		34,919
46.	200	1,317,599	293,136	1,596,923	1,890,059	3,170,868		1,280,809
47.	28,305	25,999	405,910	291,320	697,230	611,203	86,027	
48.	29,440	1,576,065	2,832,053	5,128,141	7,960,194	7,378,010	582,184	

Table 19

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 .....No.	-	7	-	-	-	-
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>AGRICULTURAL PRODUCTS</u>						
2.	Barley .....	-	167,548	-	-	-	-
3.	Corn .....	-	179,156	-	-	-	-
4.	Oats .....	-	126,171	-	-	-	-
5.	Rye .....	-	57,507	-	-	-	-
6.	Flaxseed .....	-	153,282	-	-	-	-
7.	Wheat .....	-	2,219,162	235	-	-	-
8.	Other grains .....	-	2,023	-	-	-	-
9.	Flour .....	-	12,068	-	250	-	-
10.	Hay and Straw .....	-	-	-	-	-	-
11.	Other Mill products .....	-	5,616	-	-	-	-
12.	Fruit and Vegetables .....	-	-	-	-	-	-
13.	Potatoes .....	-	-	-	-	-	-
14.	Total .....	-	2,922,533	235	250	-	-
	<u>ANIMAL PRODUCTS</u>						
15.	Fish .....	-	-	1,225	-	-	-
16.	Dressed Meats .....	-	-	-	-	-	-
17.	Other Packing-house products ...	-	-	-	-	-	-
18.	All other Animal products .....	-	4,399	-	-	-	-
19.	Total .....	-	4,399	1,225	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline .....	830,582	4,300	-	-	-	-
21.	Petroleum and other Oils .....	493,525	4,015	-	653	-	-
22.	Agricultural Implements .....	-	-	-	-	-	-
23.	Cement, Brick, Plaster .....	-	-	-	-	-	-
24.	Iron, pig and bloom .....	-	650	-	-	-	-
25.	Iron and Steel, other .....	-	28,570	-	90	56	-
26.	Sugar .....	50,316	24	-	-	5,450	-
27.	Salt .....	-	5,935	-	-	-	-
28.	Beverages .....	140	-	-	-	-	-
29.	Autos and parts .....	2,163	1,487	-	25	-	-
30.	Paper .....	2,490	1,535	112,600	-	612	-
31.	Wood pulp .....	700	-	25,539	-	5,847	-
32.	Total .....	1,379,916	46,516	138,139	768	11,965	-
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood .....	219,280	-	133,028	-	-	-
34.	Logs, Posts, Poles, Piling .....	-	-	-	-	-	-
35.	Firewood .....	-	-	-	-	-	-
36.	Lumber, Mill, Cooperage stock ..	-	-	-	-	-	-
37.	Other Forest products .....	-	-	-	-	-	-
38.	Total .....	219,280	-	133,028	-	-	-
	<u>MINE PRODUCTS</u>						
39.	Hard Coal .....	17,657	-	-	-	-	-
40.	Soft Coal .....	1,883	60	-	-	-	-
41.	Coke .....	-	-	-	-	-	2,848
42.	Copper Ore .....	-	-	-	-	-	-
43.	Iron Ore .....	20,160	-	210,833	-	-	-
44.	Other Ore .....	26,710	5,200	6,425	-	-	-
45.	Sand, Gravel and Stone .....	-	-	-	-	-	-
46.	Total .....	66,410	5,260	217,258	-	-	2,848
47.	All other Freight .....	500,060	173,250	10,379	4,492	45,698	48,779
48.	GRAND TOTAL .....	1,965,666	3,151,938	500,264	5,510	57,665	51,627

Tons (2,000 lbs.) of cargo.



ST. LAWRENCE CANALS during 1949

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	-	-	-	7	7	21		14
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	11,764	-	179,312	179,312	186,430		7,118
3.	-	92,866	-	272,022	272,022	6,748	265,274	
4.	-	30,869	-	157,040	157,040	35,199	121,841	
5.	-	2,604	-	60,111	60,111	42,892	17,219	
6.	-	-	-	153,282	153,282	125,902	27,380	
7.	-	2,340	235	2,221,502	2,221,737	887,947	1,333,790	
8.	-	2,967	-	4,990	4,990	1,780	3,210	
9.	-	-	-	12,318	12,318	6,388	5,930	
10.	-	-	-	-	-	-	-	
11.	-	-	-	5,616	5,616	1,472	4,144	
12.	-	-	-	-	-	-	-	
13.	-	-	-	-	-	-	-	
14.	-	143,410	235	3,066,193	3,066,428	1,294,758	1,771,670	
15.	-	-	1,225	-	1,225	2,258		1,033
16.	-	-	-	-	-	-		
17.	-	-	-	-	-	-		
18.	-	-	-	4,399	4,399	2,612	1,787	
19.	-	-	1,225	4,399	5,624	4,870	754	
20.	-	-	830,582	4,300	834,882	571,253	263,629	
21.	935	2,200	494,460	6,868	501,328	729,896		228,568
22.	-	-	-	-	-	648		648
23.	-	-	-	-	-	-		
24.	-	-	-	650	650	-	650	
25.	-	-	56	28,660	28,716	6,375	22,341	
26.	-	-	55,766	24	55,790	31,656	24,134	
27.	-	21,031	-	26,966	26,966	30,914		3,948
28.	-	-	140	-	140	303		163
29.	-	79	2,163	1,591	3,754	974	2,780	
30.	-	-	115,702	1,535	117,237	85,200	32,037	
31.	-	-	32,086	-	32,086	40,614		8,528
32.	955	23,310	1,530,955	70,594	1,601,549	1,497,833	103,716	
33.	-	-	-	-	-	-		
34.	-	-	-	-	-	-		
35.	-	-	352,308	-	352,308	464,456		112,148
36.	-	-	-	-	-	-		
37.	-	-	-	-	-	-		
38.	-	-	352,308	-	352,308	464,456		112,148
39.	-	5,063	17,657	5,063	22,720	25,024		2,304
40.	-	1,102,846	1,885	1,102,906	1,104,789	2,582,982		1,278,193
41.	-	6,141	-	8,989	8,989	5,382	3,607	
42.	-	-	-	-	-	-		
43.	-	-	230,993	-	230,993	92,437	138,556	
44.	-	-	33,135	5,200	38,335	81,573		43,238
45.	-	-	-	-	-	-		
46.	-	1,114,050	283,668	1,122,158	1,405,826	2,587,398		1,181,572
47.	15,340	25,999	371,477	252,500	623,977	540,126	83,851	
48.	16,275	1,306,769	2,539,868	4,515,844	7,055,712	6,389,441	666,271	

Table 20

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 .....No.	-	13,321	-	-	-	-
		Tons	Tons	Tons	Tons	Tons	Tons
	<u>AGRICULTURAL PRODUCTS</u>						
2.	Barley .....	2,848	-	-	-	-	-
3.	Corn .....	-	9,798	-	-	-	-
4.	Oats .....	612	-	-	-	-	-
5.	Rye .....	-	-	-	-	-	-
6.	Flaxseed .....	-	-	-	-	-	-
7.	Wheat .....	1,425	-	-	-	-	-
8.	Other grains .....	-	-	-	-	-	-
9.	Flour .....	-	-	-	-	-	-
10.	Hay and Straw .....	-	-	-	-	-	-
11.	Other Mill products .....	-	-	-	-	-	-
12.	Fruit and Vegetables .....	-	-	-	-	-	-
13.	Potatoes .....	-	-	-	-	-	-
14.	Total .....	4,885	9,798	-	-	-	-
	<u>ANIMAL PRODUCTS</u>						
15.	Fish .....	-	-	-	-	-	-
16.	Dressed Meats .....	-	-	-	-	-	-
17.	Other Packing-house products .....	-	-	-	-	-	-
18.	All other Animal products .....	-	-	-	-	-	-
19.	Total .....	-	-	-	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
20.	Gasoline .....	61,555	-	-	-	-	-
21.	Petroleum and other Oils .....	81,351	1,600	-	-	-	-
22.	Agricultural Implements .....	-	-	-	-	-	-
23.	Cement, Brick, Plaster .....	-	219	-	-	-	-
24.	Iron, pig and bloom .....	-	-	-	-	-	-
25.	Iron and Steel, other .....	-	-	-	-	-	-
26.	Sugar .....	-	-	-	-	-	-
27.	Salt .....	-	15,550	-	-	-	-
28.	Beverages .....	-	-	-	-	-	-
29.	Autos and Parts .....	-	292	-	-	-	-
30.	Paper .....	-	-	-	3,303	-	-
31.	Wood pulp .....	350	-	-	-	-	-
32.	Total .....	143,256	17,661	-	3,303	-	-
	<u>FOREST PRODUCTS</u>						
33.	Pulpwood .....	-	-	68,174	-	-	-
34.	Logs, Posts, Poles, Piling .....	-	50	-	-	-	-
35.	Firewood .....	-	-	-	-	-	-
36.	Lumber, Mill, Cooperage stock .....	31,969	2,153	-	-	-	-
37.	Other Forest products .....	-	-	-	-	-	-
38.	Total .....	31,969	2,203	68,174	-	-	-
	<u>MINE PRODUCTS</u>						
39.	Hard Coal .....	-	-	-	-	-	-
40.	Soft Coal .....	1,593	-	-	-	-	-
41.	Coke .....	-	-	-	-	-	-
42.	Copper Ore .....	-	-	-	-	-	-
43.	Iron Ore .....	-	-	-	-	-	-
44.	Other Ore .....	-	-	-	-	-	-
45.	Sand, Gravel & Stone .....	2,025	271,216	5,650	-	-	-
46.	Total .....	3,618	271,216	5,650	-	-	-
47.	All other Freight .....	18,668	38,820	2,800	-	-	-
48.	GRAND TOTAL .....	202,396	339,698	76,624	3,303	-	-

Tons (2,000 lbs.) of cargo.

ST. LAWRENCE CANALS during 1949

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	-	-	-	13,321	13,321	12,396	925	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	2,848	-	2,848	-	2,848	
3.	-	47,962	-	57,760	57,760	48,627	9,133	
4.	-	-	612	-	612	-	612	
5.	-	-	-	-	-	-	-	
6.	-	-	-	-	-	-	-	
7.	-	-	1,425	-	1,425	-	1,425	
8.	-	-	-	-	-	-	-	
9.	-	-	-	-	-	-	-	
10.	-	-	-	-	-	106		106
11.	-	-	-	-	-	-		
12.	-	-	-	-	-	-		
13.	-	-	-	-	-	-		
14.	-	47,962	4,885	57,760	62,645	48,733	13,912	
15.	-	-	-	-	-	-		
16.	-	-	-	-	-	-		
17.	-	-	-	-	-	-		
18.	-	-	-	-	-	-		
19.	-	-	-	-	-	-		
20.	-	-	61,555	-	61,555	19,591	41,964	
21.	-	-	81,351	1,600	82,951	58,746	24,205	
22.	-	-	-	-	-	-	-	
23.	-	-	-	219	219	17	202	
24.	-	-	-	-	-	125		125
25.	-	-	-	-	-	2,645		2,645
26.	-	-	-	-	-	-		
27.	-	17,785	-	33,335	33,335	35,915		2,580
28.	-	-	-	-	-	-		
29.	-	-	-	292	292	284	8	
30.	-	-	-	3,303	3,303	3,675		372
31.	-	-	350	-	350	1,940		1,590
32.	-	17,785	143,256	38,749	182,005	122,938	59,067	
33.	-	-	68,174	-	68,174	124,318		56,144
34.	-	-	-	50	50	-	50	
35.	-	-	-	-	-	-		
36.	-	-	31,969	2,153	34,122	38,033		3,911
37.	-	-	-	-	-	-		
38.	-	-	100,143	2,203	102,346	162,351		60,005
39.	-	-	-	-	-	2,408		2,408
40.	-	203,549	1,593	203,549	205,142	261,502		56,360
41.	-	-	-	-	-	-		
42.	-	-	-	-	-	-		
43.	-	-	-	-	-	-		
44.	-	-	-	-	-	5,550		5,550
45.	200	-	7,875	271,216	279,091	314,010		34,919
46.	200	203,549	9,458	474,765	484,233	583,470		99,237
47.	12,965	-	34,433	38,820	73,253	71,077	2,176	
48.	13,165	269,296	292,185	612,297	904,482	988,569		84,087

Table 21

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 ..... No.	15	-	25	-	-	-
	<u>ANIMAL PRODUCTS</u>	Tons	Tons	Tons	Tons	Tons	Tons
2.	Fish .....	-	-	37	-	-	-
3.	Total .....	-	-	37	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
4.	Petroleum and other Oils .....	76	-	-	-	-	-
5.	Paper .....	-	-	26,924	-	-	-
6.	Total .....	76	-	26,924	-	-	-
	<u>MINE PRODUCTS</u>						
7.	Hard Coal .....	-	-	-	-	-	-
8.	Soft Coal .....	-	-	-	-	-	-
9.	Sand, Gravel & Stone .....	-	-	-	-	-	-
10.	Total .....	-	-	-	-	-	-
11.	All other Freight .....	x 63,385	1,570	-	-	-	-
12.	GRAND TOTAL .....	63,461	1,570	26,961	-	-	-

x - Includes 63,380 tons of phosphate rock for chemical fertilizer.

Table 21

Traffic on the OTTAWA

1.	Passengers ..... No.	8	-	-	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
2.	Paper .....	-	-	-	3,303	-	-
3.	Total .....	-	-	-	3,303	-	-
	<u>FOREST PRODUCTS</u>						
4.	Pulpwood .....	32	-	-	-	-	-
5.	Total .....	32	-	-	-	-	-
	<u>MINE PRODUCTS</u>						
6.	Soft Coal .....	1,495	-	-	-	-	-
7.	Sand, Gravel & Stone .....	-	277,500	-	-	-	-
8.	Total .....	1,495	277,500	-	-	-	-
9.	All other Freight .....	-	-	-	-	-	-
10.	GRAND TOTAL .....	1,527	277,500	-	3,303	-	-

Tons (2,000 lbs.) of cargo.

Number of pleasure craft lockages in 1949 = 4,771.

RIVER CANAL during 1949

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	-	-	38	-	38	-	38	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	37	-	37	35	2	
3.	-	-	37	-	37	35	2	
4.	-	-	76	-	76	194		118
5.	-	35	26,924	35	26,959	26,600	359	
6.	-	35	27,000	35	27,035	26,794	241	
7.	-	185	-	185	185	-	185	
8.	-	3,555	-	3,555	3,555	-	3,555	
9.	-	425	-	425	425	4,794		4,369
10.	-	4,165	-	4,165	4,165	4,794		629
11.	-	10,289	63,385	11,859	75,244	59,742	15,502	
12.	-	14,489	90,422	16,059	106,481	91,365	15,116	

RIVER CANAL during 1949

1.	-	-	8	-	8	-	8	
2.	-	-	-	3,303	3,303	3,198	105	
3.	-	-	-	3,303	3,303	3,198	105	
4.	-	-	32	-	32	-	32	
5.	-	-	32	-	32	-	32	
6.	-	-	1,495	-	1,495	1,345	150	
7.	-	-	-	277,500	277,500	258,800	18,700	
8.	-	-	1,495	277,500	278,995	260,145	18,850	
9.	-	-	-	-	-	-		
10.	-	-	1,527	280,803	282,330	263,343	18,987	

Table 25

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 ..... No.	78	87	-	-	-	-
	Tons	Tons	Tons	Tons	Tons	Tons
<u>AGRICULTURAL PRODUCTS</u>						
2. Oats .....	22	-	-	-	-	-
3. Wheat .....	-	-	-	-	-	-
4. Flour .....	-	19	-	-	-	-
5. Hay and Straw .....	2	-	-	-	-	-
6. Other Mill products .....	5	6	-	-	-	-
7. Fruit and Vegetables .....	273	1	-	-	-	-
8. Potatoes .....	2,758	20	-	-	-	-
9. Total .....	3,060	46	-	-	-	-
<u>ANIMAL PRODUCTS</u>						
10. Fish .....	186	1,226	-	25	-	-
11. Dressed Meats .....	2	-	-	-	-	-
12. Other Packing-house products ....	-	-	-	-	-	-
13. All other Animal products .....	9	-	-	-	-	-
14. Total .....	197	1,226	-	25	-	-
<u>MANUFACTURES AND MISCELLANEOUS</u>						
15. Gasoline .....	2,156	268	-	-	-	-
16. Petroleum and other Oils .....	160	2	-	-	-	-
17. Cement, Brick, Plaster .....	30	-	-	-	-	-
18. Salt .....	406	2	-	-	-	-
19. Autos and Parts .....	-	3	-	-	-	-
20. Total .....	2,752	275	-	-	-	-
<u>FOREST PRODUCTS</u>						
21. Logs, Posts, Poles, Piling .....	6	-	-	-	-	-
22. Firewood .....	-	19	-	-	-	-
23. Lumber, Mill, Cooperage stock ...	50	22	-	-	-	-
24. Total .....	56	41	-	-	-	-
<u>MINE PRODUCTS</u>						
25. Hard Coal .....	3	-	-	-	-	-
26. Soft Coal .....	-	3,532	-	-	-	-
27. Coke .....	-	178	-	-	-	-
28. Sand, Gravel & Stone .....	-	12	-	-	-	-
29. Total .....	3	3,722	-	-	-	-
30. All other Freight .....	499	777	-	-	-	-
31. GRAND TOTAL .....	6,567	6,087	-	25	-	-

Tons (2,000 lbs.) of cargo.

Number of pleasure craft lockages in 1949 = 64.

CANAL during 1949

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	-	-	78	87	165	456		291
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	22	-	22	1	21	
3.	-	-	-	-	-	1		1
4.	-	-	-	19	19	15	4	
5.	-	-	2	-	2	-	2	
6.	-	-	5	6	11	6	5	
7.	-	-	273	1	274	128	146	
8.	-	-	2,758	20	2,778	2,156	622	
9.	-	-	3,060	46	3,106	2,307	799	
10.	-	-	186	1,251	1,437	957	480	
11.	-	-	2	-	2	12		10
12.	-	-	-	-	-	19		19
13.	-	-	9	-	9	21		12
14.	-	-	197	1,251	1,448	1,009	439	
15.	-	-	2,156	268	2,424	9,422		6,998
16.	-	-	160	2	162	971		809
17.	-	-	30	-	30	232		202
18.	-	-	406	2	408	185	223	
19.	-	-	-	3	3	2	1	
20.	-	-	2,752	275	3,027	10,812		7,785
21.	-	-	6	-	6	-	6	
22.	-	-	-	19	19	204		185
23.	-	-	50	22	72	2	70	
24.	-	-	56	41	97	206		109
25.	-	-	3	-	3	171		168
26.	-	-	-	3,532	3,532	5,680		2,148
27.	-	-	-	178	178	2	176	
28.	-	-	-	12	12	13		1
29.	-	-	3	3,722	3,725	5,866		2,141
30.	-	-	499	777	1,276	373	903	
31.	-	-	6,567	6,112	12,679	20,573		7,894

Table 24

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 .....	-	-	-	-	-	-
2.	Total .....	-	-	-	-	-	-
	<u>MANUFACTURES AND MISCELLANEOUS</u>						
3.	Gasoline .....	-	700	-	-	-	-
4.	Total .....	-	700	-	-	-	-
5.	All other Freight .....	-	-	-	-	-	-
6.	GRAND TOTAL .....	-	700	-	-	-	-

Number of pleasure craft lockages in 1949 = 1,056

Table 25

Traffic on the ST. ANDREW'S

1.	Passengers .....	No.	1,239	1,843	-	-	-	-
		Tons	Tons	Tons	Tons	Tons	Tons	
	<u>AGRICULTURAL PRODUCTS</u>							
2.	Oats .....	-	30	-	-	-	-	
3.	Flour .....	-	188	-	-	-	-	
4.	Hay and Straw .....	-	90	-	-	-	-	
5.	Other Mill products .....	-	3	-	-	-	-	
6.	Fruit and Vegetables .....	5	-	-	-	-	-	
7.	Potatoes .....	-	-	-	-	-	-	
8.	Total .....	5	311	-	-	-	-	
	<u>ANIMAL PRODUCTS</u>							
9.	Fish .....	1,983	9	-	-	-	-	
10.	All other Animal products .....	5	4	-	-	-	-	
11.	Total .....	1,988	13	-	-	-	-	
	<u>MANUFACTURES AND MISCELLANEOUS</u>							
12.	Gasoline .....	-	844	-	-	-	-	
13.	Petroleum and other Oils .....	-	84	-	-	-	-	
14.	Cement, Brick, Plaster .....	-	172	-	-	-	-	
15.	Iron and Steel, other .....	100	482	-	-	-	-	
16.	Beverages .....	-	128	-	-	-	-	
17.	Autos and Parts .....	29	42	-	-	-	-	
18.	Total .....	129	1,752	-	-	-	-	
	<u>FOREST PRODUCTS</u>							
19.	Firewood .....	429	-	-	-	-	-	
20.	Lumber, Mill, Cooperage stock ....	8,068	32	-	-	-	-	
21.	Total .....	8,497	32	-	-	-	-	
	<u>MINE PRODUCTS</u>							
22.	Hard Coal .....	-	-	-	-	-	-	
23.	Soft Coal .....	20	119	-	-	-	-	
24.	Total .....	20	119	-	-	-	-	
25.	All other Freight .....	133	3,065	-	-	-	-	
26.	GRAND TOTAL .....	10,772	5,292	-	-	-	-	

Tons (2,000 lbs.) of cargo.

Number of pleasure craft lockages in 1949 = 412.



CANAL during 1949

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
1.	-	-	-	-	-	139		139
2.	-	-	-	-	-	139		139
3.	-	-	-	700	700	2,745		2,045
4.	-	-	-	700	700	2,745		2,045
5.	-	-	-	-	-	55		55
6.	-	-	-	700	700	2,939		2,239

CANAL during 1949

1.	-	-	1,239	1,843	3,082	2,930	152	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	-	30	30	-	30	
3.	-	-	-	188	188	264		76
4.	-	-	-	90	90	115		25
5.	-	-	-	3	3	10		7
6.	-	-	5	-	5	-	5	
7.	-	-	-	-	-	3		3
8.	-	-	5	311	316	392		76
9.	-	-	1,983	9	1,992	2,617		625
10.	-	-	5	4	9	6	3	
11.	-	-	1,988	13	2,001	2,623		622
12.	-	-	-	844	844	1,020		176
13.	-	-	-	84	84	43	41	
14.	-	-	-	172	172	178		6
15.	-	-	100	482	582	107	475	
16.	-	-	-	128	128	99	29	
17.	-	-	29	42	71	42	29	
18.	-	-	129	1,752	1,881	1,489	392	
19.	-	-	429	-	429	746		317
20.	-	-	8,068	32	8,100	9,518		1,418
21.	-	-	8,497	32	8,529	10,264		1,735
22.	-	-	-	-	-	10		10
23.	-	-	20	119	139	225		86
24.	-	-	20	119	139	235		96
25.	-	-	133	3,065	3,198	3,693		495
26.	-	-	10,772	5,292	16,064	18,696		2,632

Table 26

Traffic on the RIDEAU

Commodity	Canada to Canada		Canada to U.S.		U. S. to U. S.	
	Up	Down <sup>(1)</sup>	Up	Down	Up	Down
1. Passengers ..... No.	285	326	-	-	-	-
<u>MANUFACTURES AND MISCELLANEOUS</u>	Tons	Tons	Tons	Tons	Tons	Tons
2. Gasoline .....	1	-	-	-	-	-
3. Petroleum and other Oils .....	3	-	-	-	-	-
4. Cement, Brick, Plaster .....	24	8	-	-	-	-
5. Iron and Steel, other .....	10	1	-	-	-	-
6. Total .....	38	9	-	-	-	-
<u>FOREST PRODUCTS</u>						
7. Logs, Posts, Poles, Piling .....	-	-	-	-	-	-
8. Firewood .....	1	-	-	-	-	-
9. Lumber, Mill, Cooperage stock .....	155	1	-	-	-	-
10. Total .....	156	1	-	-	-	-
<u>MINE PRODUCTS</u>						
11. Soft Coal .....	25	15	-	-	-	-
12. Sand, Gravel & Stone .....	20	867	-	-	-	-
13. Total .....	45	882	-	-	-	-
14. All other Freight .....	12	20	-	-	-	-
15. GRAND TOTAL .....	251	912	-	-	-	-

Number of pleasure craft lockages in 1949 = 18,489

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

Table 27

Traffic on the TRENT

	<u>MANUFACTURES AND MISCELLANEOUS</u>	Tons	Tons	Tons	Tons	Tons	Tons
1.	Gasoline .....	-	-	-	-	-	-
2.	Petroleum and other Oils .....	-	-	-	-	-	-
3.	Total .....	-	-	-	-	-	-
	<u>MINE PRODUCTS</u>						
4.	Other Ore .....	-	-	-	-	-	-
5.	Total .....	-	-	-	-	-	-
6.	All other Freight .....	99	319	-	-	-	-
7.	GRAND TOTAL .....	99	319	-	-	-	-

Number of pleasure craft lockages in 1949 = 17,367.

(1) Lake Huron towards Lake Ontario is classed as Down.

CANAL during 1949

	U. S. to Canada		T o t a l		Grand Total		Compared with 1948	
	Up	Down	Up	Down	1949	1948	Increase	Decrease
1.	4	-	289	326	(2) 615	240	375	
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
2.	-	-	1	-	1	3		2
3.	-	-	3	-	3	3		
4.	-	-	24	8	32	83		51
5.	-	-	10	1	11	18		7
6.	-	-	38	9	47	107		60
7.	-	-	-	-	-	9		9
8.	-	-	1	-	1	-	1	
9.	-	-	155	1	156	111	45	
10.	-	-	156	1	157	120	37	
11.	-	-	25	15	40	35	5	
12.	-	-	20	867	887	918		31
13.	-	-	45	882	927	953		26
14.	-	-	12	20	32	143		111
15.	-	-	251	912	1,163	1,323		160

(2) Exclusive of 19,104 passengers at Ottawa.

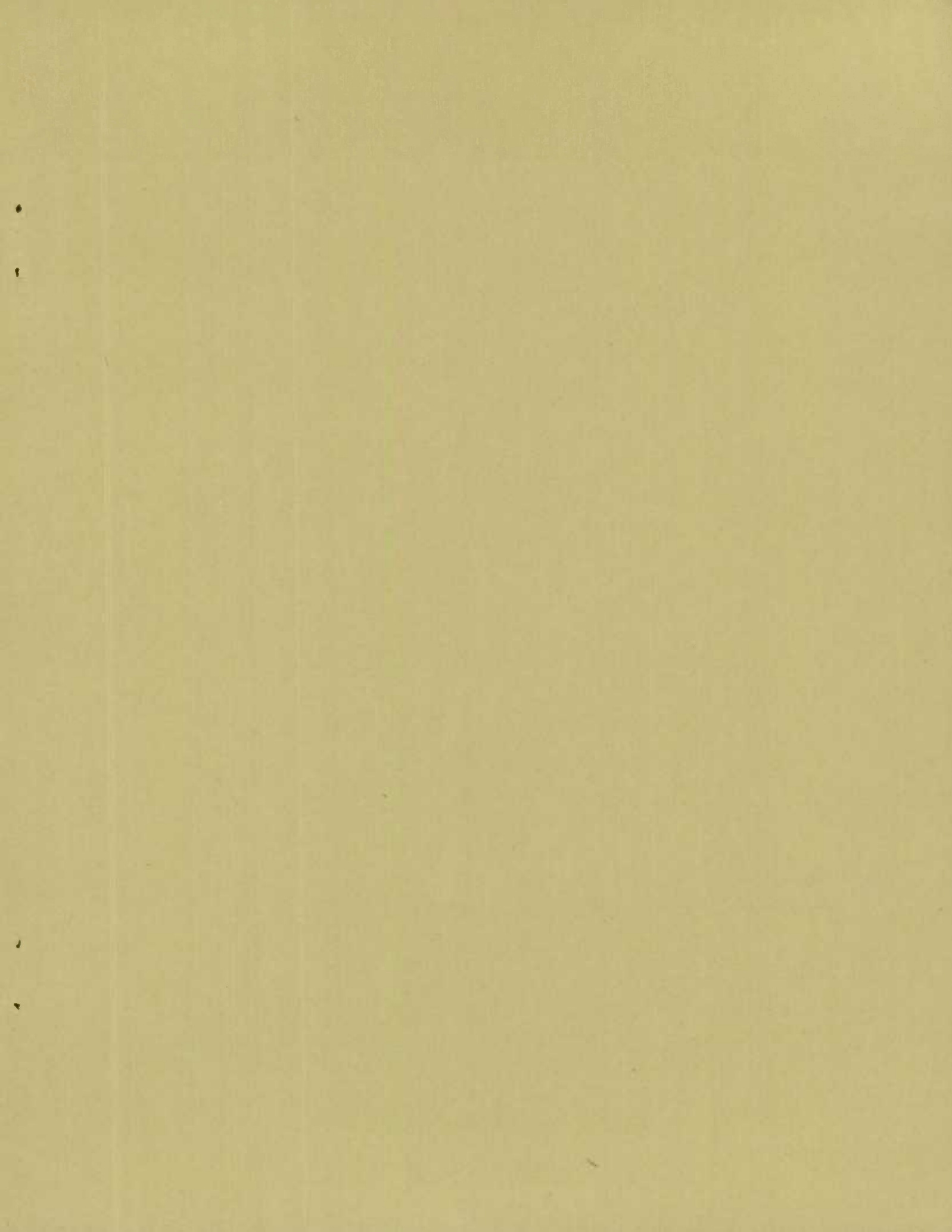
CANAL during 1949<sup>x</sup>

	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
1.	-	-	-	-	-	100		100
2.	-	-	-	-	-	26		26
3.	-	-	-	-	-	126		126
4.	-	-	-	-	-	38,540		38,540
5.	-	-	-	-	-	58,540		58,540
6.	-	-	99	319	418	15	403	
7.	-	-	99	319	418	38,681		38,263

x - 64,014 passengers carried in small boats.  
One passenger through one lock recorded as "1".

Data table description							
Year	Month	Day	Hour	Temp	Humidity	Wind	Pressure
2010	Jan	1	12	15	60	10	1013
2010	Jan	2	12	16	65	12	1012
2010	Jan	3	12	14	55	8	1014
2010	Jan	4	12	17	70	15	1011
2010	Jan	5	12	18	75	18	1010
2010	Jan	6	12	16	68	14	1012
2010	Jan	7	12	15	62	11	1013
2010	Jan	8	12	14	58	9	1014
2010	Jan	9	12	16	64	13	1012
2010	Jan	10	12	17	72	16	1011

Year	Month	Day	Hour	Temp	Humidity	Wind	Pressure
2010	Jan	11	12	18	78	20	1010
2010	Jan	12	12	19	82	22	1009
2010	Jan	13	12	17	75	18	1011
2010	Jan	14	12	16	70	16	1012
2010	Jan	15	12	15	65	14	1013
2010	Jan	16	12	14	60	12	1014
2010	Jan	17	12	16	66	14	1012
2010	Jan	18	12	17	71	15	1011
2010	Jan	19	12	18	76	17	1010
2010	Jan	20	12	19	80	19	1009



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