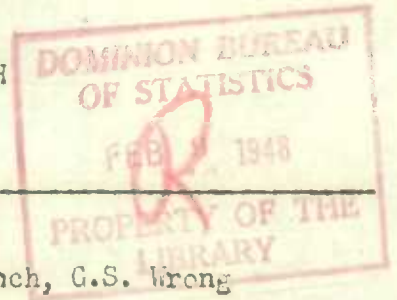


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TRANSPORTATION AND PUBLIC UTILITIES BRANCH
OTTAWA



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20-1300

SUMMARY OF CANAL STATISTICS

FOR

DECEMBER &

SEASON OF NAVIGATION

1 9 4 7

Historical File Copy

Sault Ste. Marie Canals - Canadian and United States Locks: Navigation closed for the 1947 season on December 15 through the U.S. locks and on the 7th through the Canadian canal, which was a few days earlier than in 1946, when the last vessels were passed through on the 17th & 12th respectively. Total freight through the combined system in December amounted to 1,653,262 tons compared with 1,446,642 tons in the same month of 1946, an increase of over 14 p.c. despite fewer days of operation. Wheat shipments were lighter but iron ore was up nearly 257,000 tons over December 1946.

During the season of navigation 110,887,970 tons passed through the locks compared with 91,740,696 in 1946 and the all time high of 120,200,814 in 1942. Eastbound iron ore rose from 62.0 million tons to 80.6 millions, wheat was 7,591,376 tons compared with 7,352,440 downbound in 1946. The volume of up or westbound freight was increased slightly at 18,993,314 tons compared with 18,921,538 in the year to year comparison. The increase was principally in stone, gravel and sand, while oil and gasoline declined.

Welland Ship Canal: Navigation closed on December 19th, one day later than in 1946 and December traffic reached 447,758 tons, an increase of 97,370 tons over the same month of 1946. Wheat and soft coal movement was much heavier but no iron ore was locked through compared with 10,200 tons in December 1946.

During the season of navigation from April 15th to December 19th 11,828,827 tons of freight used the canal compared with 10,580,146 tons in 1946, an advance of nearly 12 p.c. in volume. Increases were recorded in wheat, barley, rye, corn, gasoline, pulp-wood, soft coal and iron ore. Wheat was 1,798,578 tons against 1,442,770 in 1946, while soft coal rose from 3,814,514 to 4,152,753 tons and iron ore was 1,176,069 tons compared with 933,454. Lighter movements of oats, paper, pig iron and coke were experienced.

St. Lawrence Canals: The last vessel was locked through on the 11th of December, two days later than in 1946. Freight tonnage for the month was 34,087 compared with 35,979 tons in December 1946. No wheat passed through compared with 11,176 tons in the corresponding month of 1946.

During the navigation period from April 19th to December 11th a total of 7,179,594 tons of freight used the canals compared with 5,750,578 tons in 1946, to register an increase of 1,429,016 tons or nearly 25 p.c. Wheat rose 274,586 tons to 940,555 while flour was 22,545 compared with 4,044 tons in 1946, petroleum and other oils totalled 696,529 tons against 308,388 while soft coal rose to 2,940,259 tons compared with 2,395,970 in the preceding year. Iron ore advanced to 90,736 tons from 13,455. Principal declines were in the passage of oats, barley, flaxseed, pig iron, iron and steel, paper, hard coal and miscellaneous ores.

Freight traffic on the Ottawa and Rideau Canals was little changed from 1946, the Richelieu system volume increased from 59,281 tons in 1946 to 61,086 and St. Peter's from 20,677 tons to 34,262. Total freight using all Canadian canals for the year amounted to 21,537,191 tons, an increase of 2,882,272 tons or 15.4 p.c. over 1946. Some 20,879 vessels used the Canadian canals compared with 18,983 in 1946.

The Copy

Sault Ste. Marie Canal

DECEMBER

1947

1946

EAST BOUND

Canadian : Canadian & : Canadian : Canadian &
Lock : U.S. Locks : Lock : U.S. Locks

	Tons				
Pulpwood	"	-	-	-	-
Lumber	"	-	-	-	-
Flour	"	-	900	500	500
Wheat	"	15,314	660,806	23,813	788,557
Other Grain	"	23,359	156,979	5,682	151,181
Copper and Zinc	"	-	-	-	-
Iron Ore	"	-	692,553	-	435,816
Scrap Iron	"	-	9,688	-	10,750
Structural Steel	"	-	-	-	-
Stone	"	-	-	-	-
Other Freight	"	5,413	8,775	3,814	4,664
Total	"	44,086	1,529,701	33,809	1,391,468

Passengers	Number	3	11	1	1

WEST BOUND

Coal, soft	Tons	8,109	65,409	2,361	23,418
Coal, hard	"	-	-	-	-
Coke	"	-	-	-	-
Iron Ore	"	-	-	-	-
Structural Steel	"	-	-	-	-
Salt	"	113	113	500	545
Oil and Gasoline	"	191	191	954	954
Stone	"	-	44,189	-	11,202
Other Freight	"	13,659	13,659	19,401	21,055

Total	"	22,072	123,561	23,716	57,174
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Passengers	Number	-	7	-	-
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Total Freight	Tons	66,158	1,653,262	57,525	1,448,642
Total Passengers	Number	3	18	1	1
Number of Vessels		44	426	41	314
Registered Tonnage	Net	70,162	1,072,384	68,261	914,989

Year	Month	Day	Time	Location	Remarks
1911	Jan	1	10:00	...	...
1911	Jan	2	10:00	...	...
1911	Jan	3	10:00	...	...
1911	Jan	4	10:00	...	...
1911	Jan	5	10:00	...	...
1911	Jan	6	10:00	...	...
1911	Jan	7	10:00	...	...
1911	Jan	8	10:00	...	...
1911	Jan	9	10:00	...	...
1911	Jan	10	10:00	...	...
1911	Jan	11	10:00	...	...
1911	Jan	12	10:00	...	...
1911	Jan	13	10:00	...	...
1911	Jan	14	10:00	...	...
1911	Jan	15	10:00	...	...
1911	Jan	16	10:00	...	...
1911	Jan	17	10:00	...	...
1911	Jan	18	10:00	...	...
1911	Jan	19	10:00	...	...
1911	Jan	20	10:00	...	...
1911	Jan	21	10:00	...	...
1911	Jan	22	10:00	...	...
1911	Jan	23	10:00	...	...
1911	Jan	24	10:00	...	...
1911	Jan	25	10:00	...	...
1911	Jan	26	10:00	...	...
1911	Jan	27	10:00	...	...
1911	Jan	28	10:00	...	...
1911	Jan	29	10:00	...	...
1911	Jan	30	10:00	...	...
1911	Jan	31	10:00	...	...

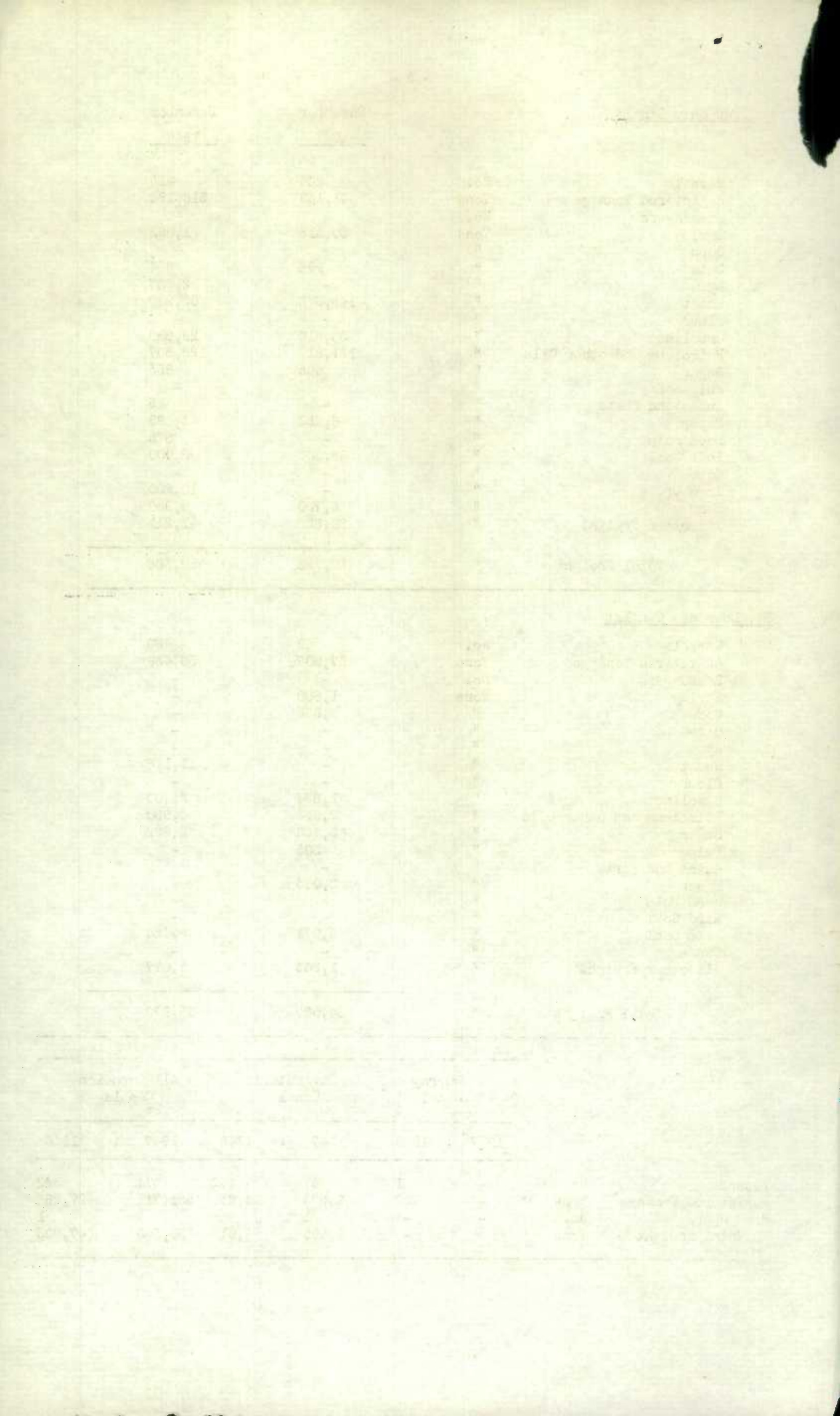
Welland Ship Canal:

		December <u>1947</u>	December <u>1946</u>
Vessels	No.	244	218
Registered Tonnage	Tons	441,139	318,184
Passengers	No.	-	-
Barley	Tons	30,513	21,022
Corn	"	-	-
Oats	"	996	844
Rye	"	-	2,937
Wheat	"	145,376	96,259
Flour	"	-	-
Gasoline	"	33,210	29,830
Petroleum and other Oils	"	151,817	128,307
Sugar	"	905	855
Pulpwood	"	305	-
Autos and Parts	"	-	15
Paper	"	8,550	4,183
Wood Pulp	"	-	875
Soft Coal	"	68,564	3,900
Coke	"	-	-
Iron Ore	"	-	10,200
Sand	"	6,700	9,950
All other Freight	"	20,822	41,211
Total Freight	"	447,758	350,388

St. Lawrence Canals:

Vessels	No.	49	60
Registered Tonnage	Tons	37,807	36,439
Passengers	No.	-	-
Barley	Tons	1,800	-
Corn	"	4,865	-
Oats	"	-	-
Rye	"	-	-
Wheat	"	-	11,176
Flour	"	-	-
Gasoline	"	1,877	5,700
Petroleum and other Oils	"	7,815	4,980
Sugar	"	5,748	3,622
Pulpwood	"	305	-
Autos and Parts	"	-	-
Paper	"	2,043	-
Wood Pulp	"	-	-
Hard Coal	"	-	-
Soft Coal	"	8,071	3,424
Sand	"	-	-
All other Freight	"	1,563	5,077
Total Freight	"	34,087	35,979

		Murray Canal	:	1947	:	1946	St. Peter's Canal	:	1947	:	1946	All Canadian Canals	:	1947	:	1946
Vessels	No.	-		1			37		42			374				362
Registered Tonnage	Tons	-		750			2,605		3,650			551,713				427,284
Passengers	No.	-		-			1		-			4				1
Total Freight	Tons	-		-			2,595		4,013			550,598				447,905



- 4 -
SUMMARY OF CANAL TRAFFIC
FOR SEASON OF NAVIGATION, 1947

Sault Ste. Marie Canal

Season of Navigation

<u>EAST BOUND</u>		1 9 4 7		:	1 9 4 6	
		Canadian Lock	Canadian & U.S. Locks	:	Canadian Lock	Canadian & U.S. Locks
Pulpwood	Tons	197,856	793,434		165,766	764,894
Lumber	"	100	100		-	-
Flour	"	52,951	53,851		66,497	70,379
Wheat	"	448,139	7,591,376		402,852	7,359,440
Other Grain	"	430,781	2,347,149		435,690	2,155,165
Copper and Zinc	"	-	-		-	-
Iron Ore	"	2,673	80,576,904		-	62,031,470
Scrap Iron	"	-	69,989		-	80,699
Structural Steel	"	20	126,129		15,776	110,351
Stone	"	29,090	29,090		12,270	12,270
Other Freight	"	266,323	306,634		205,389	234,490
Total	"	1,427,953	91,894,656		1,304,240	72,819,158
Passengers	Number	38,136	45,468		37,894	44,007

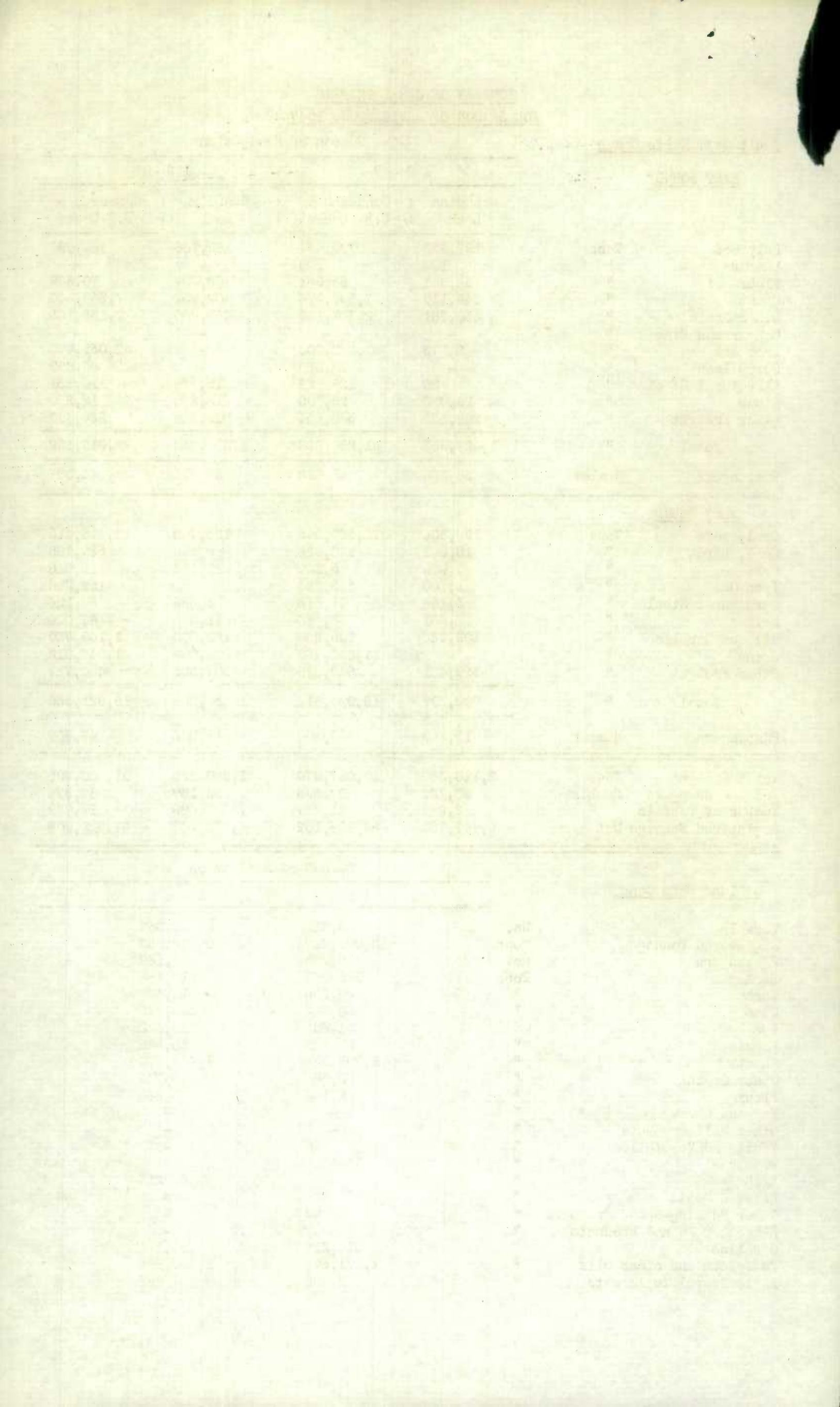
WEST BOUND

Coal, soft	Tons	192,304	15,529,045		123,788	15,405,415
Coal, hard	"	18,041	342,686		8,535	539,768
Coke	"	5,000	5,000		11,413	11,418
Iron Ore	"	1,100	315,264		-	159,286
Structural Steel	"	3,166	41,618		4,389	57,128
Salt	"	11,551	58,453		11,635	67,024
Oil and Gasoline	"	109,764	925,860		160,560	1,169,760
Stone	"	-	1,214,760		8,009	1,047,012
Other Freight	"	359,471	530,628		307,555	464,727
Total	"	700,397	18,993,314		635,889	18,921,538
Passengers	Number	15,646	45,100		15,245	43,869
Total Freight	Tons	2,128,330	110,887,970		1,940,129	91,740,696
Total Passengers	Number	53,782	90,568		53,139	87,876
Number of Vessels		2,823	21,227		2,489	17,259
Registered Tonnage Net		4,747,750	83,189,132		4,175,163	67,522,909

Season of Navigation

Holland Ship Canal

		1 9 4 7	:	1 9 4 6
Vessels	No.	5,915		5,555
Registered Tonnage	Tons	10,895,817		9,774,033
Passengers	No.	5,273		4,169
Barley	Tons	328,081		210,183
Corn	"	50,308		14,420
Oats	"	96,865		302,775
Eye	"	51,397		13,322
Flaxseed	"	51,145		53,639
Wheat	"	1,798,378		1,442,770
Other Grains	"	30,537		43,745
Flour	"	22,195		3,544
Hay and Straw	"	-		-
Other Mill Products	"	-		-
Fruit and Vegetables	"	60		-
Potatoes	"	-		-
Fish	"	389		216
Dressed Meats	"	-		-
Other Packing-House Products	"	29		-
All other Animal Products	"	-		-
Gasoline	"	814,216		764,114
Petroleum and other Oils	"	1,571,579		1,569,802
Agricultural Implements	"	2,768		985



Welland Ship Canal - Concluded

		Season of Navigation	
		1947	1946
Cement, Bricks, Lime & Plaster	Tons	65,139	57,154
Iron, Pig and Bloom	"	30,693	45,304
Iron and Steel, other	"	26,413	14,370
Sugar	"	8,932	7,938
Salt	"	48,061	31,038
Beverages	"	2,347	1,780
Autos and Parts	"	3,567	2,314
Paper	"	193,035	210,992
Wood Pulp	"	22,184	4,129
Pulpwood	"	501,199	373,103
Logs, Posts, Poles, Piling	"	-	-
Firewood	"	-	-
Lumber, Mill and Cooperage Stock	"	100	2,594
Other Forest Products	"	-	87
Hard Coal	"	55,964	53,178
Soft Coal	"	4,152,755	3,814,314
Coke	"	47,692	67,792
Copper Ore	"	-	-
Iron Ore	"	1,176,069	933,454
Other Ore	"	78,345	84,505
Sand, Gravel and Stone	"	160,232	128,551
All other Freight	"	437,655	327,736
Total	"	11,828,827	10,580,146

St. Lawrence Canals:

Vessels	No.	8,058	6,161
Registered Tonnage	Tons	6,210,347	4,892,961
Passengers	No.	13,430	10,301
Barley	Tons	75,538	100,722
Corn	"	75,284	34,413
Oats	"	21,525	225,885
Rye	"	46,760	10,415
Flaxseed	"	13,944	24,718
Wheat	"	940,355	665,969
Other Grains	"	-	-
Flour	"	22,545	4,044
Hay and Straw	"	-	925
Other Mill Products	"	-	1,260
Fruit and Vegetables	"	60	-
Potatoes	"	-	-
Fish	"	1,593	-
Dressed Meats	"	-	-
Other Packing-house Products	"	29	-
All other Animal Products	"	13,845	3,652
Gasoline	"	477,971	435,941
Petroleum and other Oils	"	696,529	308,388
Agricultural Implements	"	780	645
Cement, Bricks, Lime and Plaster	"	2,484	580
Iron, Pig and Bloom	"	705	3,974
Iron and Steel, other	"	20,221	25,211
Sugar	"	36,061	36,783
Salt	"	36,526	24,667
Beverages	"	1,254	1,873
Autos and Parts	"	4,320	3,271
Paper	"	73,016	87,451
Wood Pulp	"	20,549	2,771
Pulpwood	"	559,913	410,593
Logs, Posts, Poles, Piling	"	-	-
Firewood	"	-	-
Lumber, Mill and Cooperage Stock	"	30,752	29,217
Other Forest Products	"	60	87
Hard Coal	"	16,477	66,006
Soft Coal	"	2,940,259	2,395,970
Coke	"	8,265	5,693
Copper Ore	"	-	-
Iron Ore	"	90,736	13,455
Other Ore	"	65,443	145,671
Sand, Gravel and Stone	"	300,983	220,466
All other Freight	"	583,812	460,062
Total	"	7,179,594	5,750,578

SEASON OF NAVIGATION, 1947

		Ottawa River Canal		:	Rideau Canal			
		1947	:	1946	:	1947	:	1946
Vessels	No.	1,286		1,204		137		135
Registered Tonnage	Tons	304,617		297,669		6,091		6,317
Passengers	No.	-		-		(1) 121		(1) 510
Total Freight	Tons	254,827		261,295		1,508		1,439
Pleasure Craft Lockages		3,008		2,120		15,342		15,103
		Richelieu River Canal		:	Trent Canal			
Vessels	No.	538		315		554		1,427
Registered Tonnage	Tons	74,342		48,995		42,207		89,630
Passengers	No.	74		15		2		6,365
Total Freight	Tons	61,086		39,281		30,605		36,612
Pleasure Craft Lockages		293		205		11,852		10,895
		Murray Canal		:	St. Peter's Canal			
Vessels	No.	55		123		884		839
Registered Tonnage	Tons	21,813		28,979		44,370		38,343
Passengers	No.	-		-		325		127
Total Freight	Tons	1,000		7,260		34,262		20,677
Pleasure Craft Lockages		717		651		-		36
		St. Andrew's Canal		:	All Canadian Canals			
Vessels	No.	669		735		20,879		18,983
Registered Tonnage	Tons	76,769		75,333		22,424,123		19,427,423
Passengers	No.	3,073		4,672		76,080		79,298
Total Freight	Tons	17,152		17,502		21,537,191		18,654,919
Pleasure Craft Lockages		386		432		31,598		29,442

(1) Exclusive of 19,885 passengers at Ottawa.

TRAFFIC ON CANADIAN CANALS

1947

Canal	Vessels Number	Registered Tonnage	Passengers Number	Tons	Freight Tonnage compared with 1946 (Increase +) (Decrease -)
Sault Ste. Marie	2,823	4,747,750	53,782	2,128,330	+ 188,201
Welland Ship	5,915	10,395,817	5,273	11,828,827	+ 1,248,681
St. Lawrence	8,038	6,210,347	13,430	7,179,594	+ 1,429,016
Ottawa River	1,286	304,617	-	254,827	- 6,468
Rideau	137	6,091	121	1,508	+ 69
Richelieu River	538	74,342	74	61,086	+ 21,805
Trent	534	42,207	2	30,605	- 6,007
Murray	55	21,813	-	1,000	- 6,260
St. Andrew's	669	76,769	3,073	17,152	- 350
St. Peter's	884	44,370	325	34,262	+ 13,585
TOTAL /	20,879	22,424,123	76,080	21,537,191	+ 2,882,272

/ Includes duplications and is affected by the proportion of the total traffic at Sault Ste. Marie using the Canadian Lock.



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