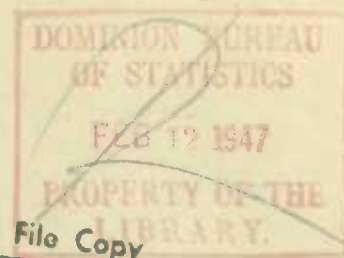


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DOMINION BUREAU OF STATISTICS  
TRANSPORTATION AND PUBLIC UTILITIES BRANCH  
OTTAWA



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Dominion Statistician, Herbert Marshall  
Chief, Transportation and Public Utilities Branch, G.S. Wrong

SUMMARY OF CANAL STATISTICS

FOR

DECEMBER &

SEASON OF NAVIGATION

1946

Sault Ste. Marie Canals - Canadian and United States Locks: The last vessel for the season passed through the Canadian canal on December 12th and through the United States locks on December 17th. The total freight through the locks during December amounted to 1,448,642 tons as compared with 1,009,580 tons in December 1945.

During the season of navigation 91,740,696 tons passed through the locks as against 113,277,316 tons in 1945. Downbound iron ore declined from 78,039,957 tons in 1945 to 62,031,470 tons, wheat from 14,454,102 to 7,359,440 tons and other grain from 3,136,208 to 2,155,165 tons. Upbound soft coal increased from 13,313,766 to 15,405,415 tons and oil and gasoline from 838,934 to 1,169,760 tons.

Welland Ship Canal: Navigation closed on December 18 or 3 days later than in 1945 and the traffic for December amounted to 350,388 tons as against 358,889 tons in 1945.

During the season of navigation 10,580,146 tons of freight used the canal, which was 2,382,186 tons less than in 1945. The large decrease was in wheat which declined by 1,600,137 tons. Soft coal also declined by 522,940 tons, coke by 85,823 tons, iron ore by 486,751 tons and pulpwood by 79,902 tons. Oats increased by 166,255 tons, barley by 56,191 tons, gasoline by 64,569 tons, petroleum and other oils by 62,679 tons, paper by 64,409 tons and ore, other than copper and iron, by 38,918 tons.

St. Lawrence Canals: The last vessel passage for the season was on December 9 or 5 days later than in 1945. Freight traffic for the month amounted to 35,979 tons as against 10,889 tons in 1945.

During the season of navigation the total freight using the canals declined to 5,750,578 tons from 6,947,870 tons in 1945. Wheat declined from 1,982,176 to 665,969 tons, soft coal from 2,759,967 to 2,595,970 tons, hard coal from 113,772 to 66,006 tons and other ore from 253,359 to 145,671 tons. Oats increased by 170,715 tons, barley by 54,784 tons, gasoline by 178,745 tons, petroleum and other oils by 69,695 tons, sand, gravel and stone by 30,581 tons and miscellaneous freight by 116,377 tons.



Sault Ste. Marie Canal

DECEMBER

<u>EAST BOUND</u>		1946		1945	
		Canadian Lock	Canadian & U.S. Locks	Canadian Lock	Canadian & U.S. Locks
Pulpwood	Short Tons	-	-	-	-
Lumber	" "	-	-	-	-
Flour	" "	500	500	1,274	3,379
Wheat	" "	23,813	788,557	8,599	760,322
Other Grain	" "	5,682	151,181	5,304	113,604
Copper and Zinc	" "	-	-	-	-
Iron Ore	" "	-	435,816	-	47,594
Scrap Iron	" "	-	10,750	-	11,400
Structural Steel	" "	-	-	-	-
Stone	" "	-	-	-	-
Other Freight	" "	3,814	4,664	2,841	14,269
<b>Total</b>	" "	<b>33,809</b>	<b>1,391,468</b>	<b>18,018</b>	<b>950,568</b>
Passengers	Number	1	1	3	3

<u>WEST BOUND</u>		1946		1945	
Coal, soft	Short Tons	2,861	23,418	-	49,864
Coal, hard	" "	-	-	-	-
Coke	" "	-	-	-	-
Iron Ore	" "	-	-	-	-
Structural Steel	" "	-	-	68	68
Salt	" "	500	545	96	257
Oil and Gasoline	" "	954	954	-	59
Stone	" "	-	11,202	-	-
Other Freight	" "	19,401	21,055	7,448	8,764
<b>Total</b>	" "	<b>23,716</b>	<b>57,174</b>	<b>7,612</b>	<b>59,012</b>
Passengers	Number	-	-	-	-

Total Freight	Short Tons	57,525	1,448,642	25,630	1,009,580
Total Passengers	Number	1	1	3	3
Number of Vessels		41	314	32	237
Registered Tonnage	Net	68,261	914,989	42,621	635,904





<u>Welland Ship Canal:</u>		December 1946	December 1945
Vessels	No.	218	180
Registered Tonnage	Tons	318,184	379,180
Passengers	No.	-	-
Barley	Tons	21,022	24,737
Corn	"	-	3,080
Oats	"	844	866
Rye	"	2,937	-
Wheat	"	96,259	67,985
Flour	"	-	-
Gasoline	"	29,830	22,770
Petroleum and Other Oils	"	128,307	60,250
Sugar	"	855	-
Pulpwood	"	-	-
Autos and Parts	"	15	-
Paper	"	4,183	3,000
Wood Pulp	"	875	-
Soft Coal	"	3,900	159,406
Coke	"	-	3,100
Iron Ore	"	10,200	-
Sand	"	9,950	3,900
All other Freight	"	41,211	9,795
<b>Total Freight</b>		<b>350,388</b>	<b>358,889</b>

St. Lawrence Canals:

Vessels	No.	60	55
Registered Tonnage	Tons	36,439	31,481
Passengers	No.	-	-
Barley	Tons	-	-
Corn	"	-	-
Oats	"	-	-
Rye	"	-	-
Wheat	"	11,176	2,765
Flour	"	-	-
Gasoline	"	5,700	-
Petroleum and Other Oils	"	4,980	-
Sugar	"	3,622	1,550
Pulpwood	"	-	-
Autos and Parts	"	-	6
Paper	"	-	64
Wood Pulp	"	-	-
Hard Coal	"	-	-
Soft Coal	"	5,424	4,474
Sand	"	-	-
All other Freight	"	5,077	2,030
<b>Total Freight</b>		<b>35,979</b>	<b>10,889</b>

		Murray Canal	:	St. Peter's Canal	:	All Canadian Canals	
		1946	:	1945	:	1946	1945
Vessels	No.	1	:	1	:	42	52
Registered Tonnage	Tons	750	:	15	:	3,650	6,931
Passengers	No.	-	:	-	:	-	1
Total Freight	Tons	-	:	-	:	4,013	4,640
						447,905	460,270
						3	326
						400,048	326





SUMMARY OF CANAL TRAFFIC  
FOR SEASON OF NAVIGATION, 1946

Sault Ste. Marie Canal

Season of Navigation

<u>EAST BOUND</u>		1946		1945	
		Canadian Lock	Canadian & U.S. Locks	Canadian Lock	Canadian & U.S. Locks
Pulpwood	Tons	165,766	764,894	77,676	607,506
Lumber	"	-	-	-	3,166
Flour	"	66,497	70,379	72,993	109,066
Wheat	"	402,852	7,359,440	590,563	14,454,102
Other Grain	"	435,690	2,155,165	459,166	3,136,208
Copper and Zinc	"	-	-	-	-
Iron Ore	"	-	62,031,470	-	78,039,957
Scrap Iron	"	-	80,699	-	151,368
Structural Steel	"	15,776	110,351	15,328	134,060
Stone	"	12,270	12,270	12,210	17,110
Other Freight	"	205,389	234,490	203,126	408,009
<b>Total</b>	"	<b>1,304,240</b>	<b>72,819,158</b>	<b>1,431,062</b>	<b>97,060,552</b>
Passengers	Number	37,894	44,007	19,868	22,695
<hr/>					
<u>WEST BOUND</u>		1946		1945	
Coal, soft	Tons	123,788	15,405,415	116,999	13,313,766
Coal, hard	"	8,535	539,768	5,785	529,124
Coke	"	11,418	11,418	7,922	7,922
Iron Ore	"	-	159,286	600	87,807
Structural Steel	"	4,389	57,128	7,543	43,211
Salt	"	11,635	67,024	11,631	67,582
Oil and Gasoline	"	160,560	1,169,760	153,683	838,934
Stone	"	8,009	1,047,012	8,680	912,291
Other Freight	"	307,555	464,727	274,981	416,127
<b>Total</b>	"	<b>635,889</b>	<b>18,921,538</b>	<b>587,824</b>	<b>16,216,764</b>
Passengers	Number	15,245	45,869	19,379	23,349
<b>Total Freight</b>	<b>Short Tons</b>	<b>1,940,129</b>	<b>91,740,696</b>	<b>2,018,886</b>	<b>113,277,316</b>
<b>Total Passengers</b>	<b>Number</b>	<b>53,139</b>	<b>87,876</b>	<b>59,247</b>	<b>46,044</b>
<b>Number of Vessels</b>		<b>2,489</b>	<b>17,259</b>	<b>2,678</b>	<b>22,492</b>
<b>Registered Tonnage Net</b>		<b>4,175,163</b>	<b>67,522,909</b>	<b>4,207,754</b>	<b>86,932,685</b>

Season of Navigation

Welland Ship Canal

		1946	1945
Vessels	No.	5,555	6,291
Registered Tonnage	Tons	9,774,033	11,855,532
Passengers	No.	4,169	2,612
Barley	Tons	210,183	173,992
Corn	"	14,420	5,292
Oats	"	302,775	136,520
Rye	"	13,322	10,699
Flaxseed	"	53,639	68,668
Wheat	"	1,442,770	3,042,907
Other Grains	"	43,745	34,878
Flour	"	3,544	145
Hay and Straw	"	-	-
Other Mill Products	"	-	1,682
Fruit and Vegetables	"	-	-
Potatoes	"	-	-
Fish	"	216	-
Dressed Meats	"	-	-
Other Packing-House Products	"	-	-
All other Animal Products	"	-	-
Gasoline	"	764,114	699,745
Petroleum and Other Oils	"	1,569,802	1,507,123
Agricultural Implements	"	985	1,798





Welland Ship Canal - Concluded

Season of Navigation

1946 : 1945

	Tons	1946	1945
Cement, Bricks, Lime & Plaster	Tons	57,154	43,746
Iron, Pig and Bloom	"	45,604	49,246
Iron and Steel, other	"	14,370	15,394
Sugar	"	7,938	7,274
Salt	"	31,036	8,460
Beverages	"	1,780	1,402
Autos and Parts	"	2,314	1,800
Paper	"	210,992	146,583
Wood Pulp	"	4,129	896
Pulpwood	"	373,103	453,005
Logs, Posts, Poles, Piling	"	-	-
Firewood	"	-	-
Lumber, Mill and Cooperage Stock	"	2,594	-
Other Forest Products	"	87	-
Hard Coal	"	53,178	70,777
Soft Coal	"	3,814,314	4,337,254
Coke	"	67,792	153,615
Copper Ore	"	-	-
Iron Ore	"	933,454	1,420,205
Other Ore	"	84,505	45,587
Sand, Gravel and Stone	"	128,551	110,469
All other Freight	"	327,736	413,170
<b>Total</b>	"	<b>10,580,146</b>	<b>12,962,332</b>

St. Lawrence Canals:

	No.	1946	1945
Vessels	No.	6,161	7,623
Registered Tonnage	Tons	4,892,961	5,882,526
Passengers	No.	10,301	15,157
Barley	Tons	100,722	45,938
Corn	"	34,413	8,832
Oats	"	225,885	55,170
Rye	"	10,415	7,244
Flaxseed	"	24,718	35,558
Wheat	"	665,969	1,982,176
Other Grains	"	-	-
Flour	"	4,044	-
Hay and Straw	"	925	593
Other Mill Products	"	1,260	-
Fruit and Vegetables	"	-	-
Potatoes	"	-	-
Fish	"	-	-
Dressed Meats	"	-	-
Other Packing-house Products	"	-	-
All other Animal Products	"	3,652	6,298
Gasoline	"	435,941	257,196
Petroleum and other Oils	"	308,388	238,693
Agricultural Implements	"	645	269
Cement, Bricks, Lime and Plaster	"	380	6,550
Iron, Pig and Bloom	"	3,974	-
Iron and Steel, other	"	25,211	15,439
Sugar	"	36,783	35,136
Salt	"	24,667	8,330
Beverages	"	1,873	1,595
Autos and Parts	"	3,271	3,777
Paper	"	87,451	88,827
Wood Pulp	"	2,771	2,311
Pulpwood	"	410,593	435,967
Logs, Posts, Poles, Piling	"	-	-
Firewood	"	-	-
Lumber, Mill and Cooperage Stock	"	29,217	35,602
Other Forest Products	"	87	12
Hard Coal	"	66,006	113,772
Soft Coal	"	2,395,970	2,759,967
Coke	"	5,693	13,909
Copper Ore	"	-	-
Iron Ore	"	13,455	1,980
Other Ore	"	145,671	253,359
Sand, Gravel and Stone	"	220,466	189,885
All other Freight	"	460,062	343,685
<b>Total</b>	"	<b>5,750,578</b>	<b>6,947,870</b>

Date	Description	Amount
1890	Jan 1	100.00
1890	Jan 15	50.00
1890	Feb 1	20.00
1890	Feb 15	30.00
1890	Mar 1	40.00
1890	Mar 15	60.00
1890	Apr 1	70.00
1890	Apr 15	80.00
1890	May 1	90.00
1890	May 15	100.00
1890	Jun 1	110.00
1890	Jun 15	120.00
1890	Jul 1	130.00
1890	Jul 15	140.00
1890	Aug 1	150.00
1890	Aug 15	160.00
1890	Sep 1	170.00
1890	Sep 15	180.00
1890	Oct 1	190.00
1890	Oct 15	200.00
1890	Nov 1	210.00
1890	Nov 15	220.00
1890	Dec 1	230.00
1890	Dec 15	240.00
1891	Jan 1	250.00
1891	Jan 15	260.00
1891	Feb 1	270.00
1891	Feb 15	280.00
1891	Mar 1	290.00
1891	Mar 15	300.00
1891	Apr 1	310.00
1891	Apr 15	320.00
1891	May 1	330.00
1891	May 15	340.00
1891	Jun 1	350.00
1891	Jun 15	360.00
1891	Jul 1	370.00
1891	Jul 15	380.00
1891	Aug 1	390.00
1891	Aug 15	400.00
1891	Sep 1	410.00
1891	Sep 15	420.00
1891	Oct 1	430.00
1891	Oct 15	440.00
1891	Nov 1	450.00
1891	Nov 15	460.00
1891	Dec 1	470.00
1891	Dec 15	480.00
1892	Jan 1	490.00
1892	Jan 15	500.00
1892	Feb 1	510.00
1892	Feb 15	520.00
1892	Mar 1	530.00
1892	Mar 15	540.00
1892	Apr 1	550.00
1892	Apr 15	560.00
1892	May 1	570.00
1892	May 15	580.00
1892	Jun 1	590.00
1892	Jun 15	600.00
1892	Jul 1	610.00
1892	Jul 15	620.00
1892	Aug 1	630.00
1892	Aug 15	640.00
1892	Sep 1	650.00
1892	Sep 15	660.00
1892	Oct 1	670.00
1892	Oct 15	680.00
1892	Nov 1	690.00
1892	Nov 15	700.00
1892	Dec 1	710.00
1892	Dec 15	720.00
1893	Jan 1	730.00
1893	Jan 15	740.00
1893	Feb 1	750.00
1893	Feb 15	760.00
1893	Mar 1	770.00
1893	Mar 15	780.00
1893	Apr 1	790.00
1893	Apr 15	800.00
1893	May 1	810.00
1893	May 15	820.00
1893	Jun 1	830.00
1893	Jun 15	840.00
1893	Jul 1	850.00
1893	Jul 15	860.00
1893	Aug 1	870.00
1893	Aug 15	880.00
1893	Sep 1	890.00
1893	Sep 15	900.00
1893	Oct 1	910.00
1893	Oct 15	920.00
1893	Nov 1	930.00
1893	Nov 15	940.00
1893	Dec 1	950.00
1893	Dec 15	960.00
1894	Jan 1	970.00
1894	Jan 15	980.00
1894	Feb 1	990.00
1894	Feb 15	1000.00



SEASON OF NAVIGATION, 1946

		Ottawa River Canal		:	Rideau Canal			
		1946	:	1945	:	1946	:	1945
Vessels	No.	1,204		1,256		135		65
Registered Tonnage	Tons	297,669		291,187		6,317		3,297
Passengers	No.	-		-		(1) 510		15
Total Freight	Tons	261,295		258,172		1,439		863
Pleasure Craft Lockages		2,120		1,501		15,103		10,844
		Richelieu River Canal		:	Trent Canal			
Vessels	No.	315		296		1,427		3,011
Registered Tonnage	Tons	48,995		48,190		89,630		60,737
Passengers	No.	15		20		6,365		18,938
Total Freight	Tons	39,281		46,578		36,612		50,612
Pleasure Craft Lockages		205		192		10,895		5,514
		Murray Canal		:	St. Peter's Canal			
Vessels	No.	123		95		839		734
Registered Tonnage	Tons	28,979		28,795		38,343		55,578
Passengers	No.	-		-		127		271
Total Freight	Tons	7,260		2,205		20,677		21,665
Pleasure Craft Lockages		651		522		36		-
		St. Andrew's Canal		:	All Canadian Canals			
Vessels	No.	735		568		18,983		22,617
Registered Tonnage	Tons	75,333		60,781		19,427,423		22,494,377
Passengers	No.	4,672		4,447		79,298		80,727
Total Freight	Tons	17,502		11,216		18,654,919		22,320,399
Pleasure Craft Lockages		432		213		29,442		18,786

(1) Exclusive of 17,676 passengers at Ottawa.

TRAFFIC ON CANADIAN CANALS

1946

Canal	Vessels Number	Registered Tonnage	Passengers Number	Tons	Freight Tonnage compared with 1945	
					(Increase +)	(Decrease -)
Sault Ste. Marie	2,489	4,175,163	55,139	1,940,129	-	78,757
Welland Ship	5,555	9,774,033	4,619	10,580,146	-	2,382,186
St. Lawrence	6,161	4,892,961	10,301	5,750,578	-	1,197,292
Ottawa River	1,204	297,669	-	261,295	+	5,123
Rideau	135	6,317	510	1,439	+	576
Richelieu River	315	48,995	15	39,281	-	7,297
Trent	1,427	89,630	6,365	36,612	-	14,000
Murray	123	28,979	-	7,260	+	5,055
St. Andrew's	735	75,333	4,672	17,502	+	6,286
St. Peter's	859	58,343	127	20,677	-	988
<b>TOTAL /</b>	<b>18,983</b>	<b>19,427,423</b>	<b>79,748</b>	<b>18,654,919</b>	<b>-</b>	<b>3,665,480</b>

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





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