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SUMMARY REPORT  
CANAL STATISTICS  
For  
DECEMBER  
and  
SEASON OF NAVIGATION  
1925

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Published by Authority of the Hon. J. A. Robb, M. P.,  
Acting Minister of Trade and Commerce.

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OTTAWA

1926

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DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
TRANSPORTATION BRANCH  
OTTAWA

Dominion Statistician, R.H. Coats, B.A., F.S.S., F.R.S.C.  
Chief, Transportation Branch, G.S. Wrong, B.Sc.

SUMMARY OF CANAL STATISTICS  
FOR  
DECEMBER  
AND  
SEASON OF NAVIGATION  
1 9 2 5

The Sault Ste. Marie canal opened 11 days earlier than in 1924 and closed 3 days earlier, the Welland canal opened 14 days later than in 1924 and closed 7 days later and the St. Lawrence canals opened one day later and closed on the same date.

While the traffic through the Canadian and United States locks at Sault Ste. Marie was not as heavy as in 1923 nor in 1916, 1917 and 1918, it was heavier than in 1924 by 9,836,854 tons and well above any other year than these four and the traffic on the Welland and St. Lawrence canals was the heaviest in their histories. The traffic on the Welland canal exceeded the 1924 tonnage which was the previous high record by 602,886 tons and on the St. Lawrence canals the 1924 record was exceeded by 670,614 tons.

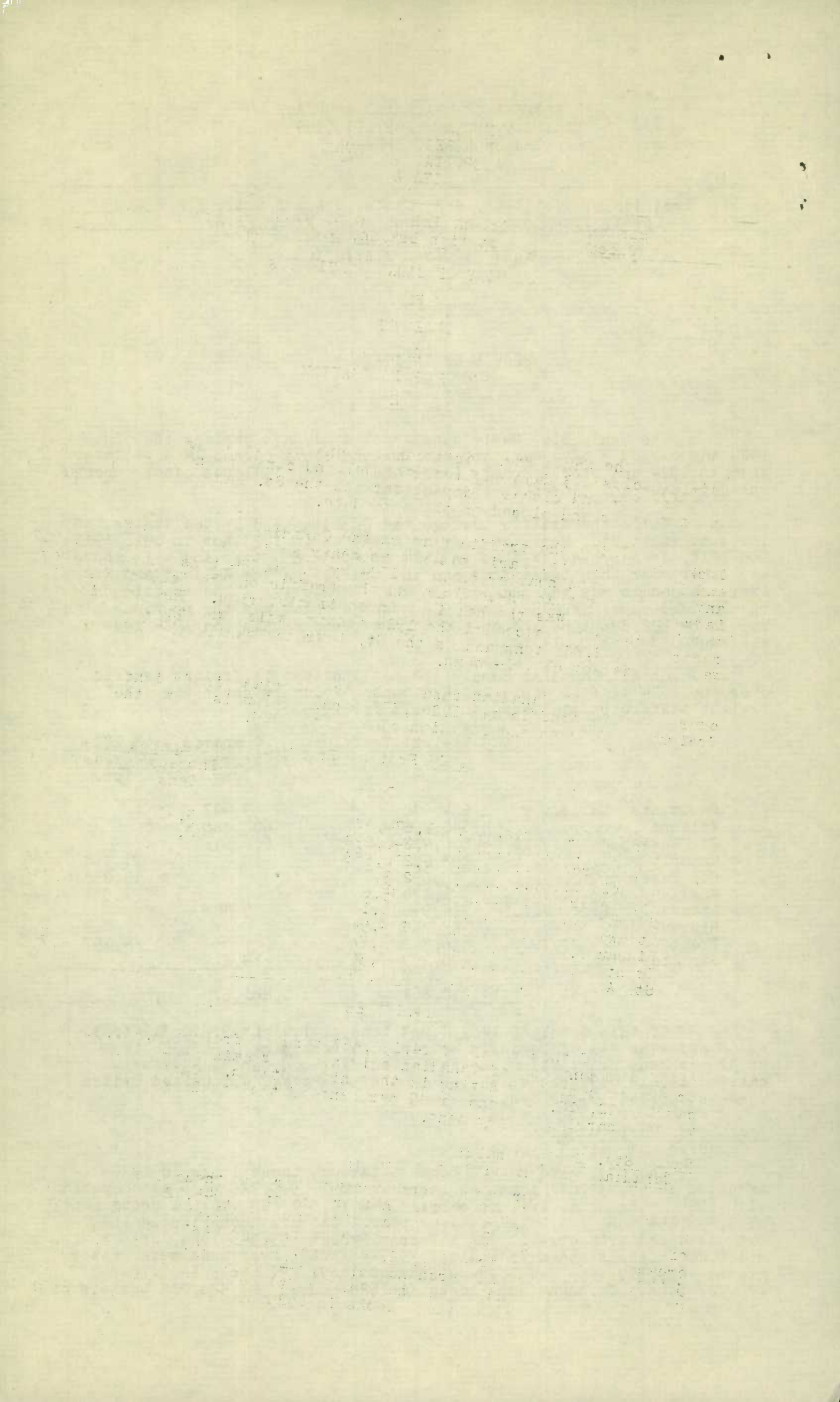
On all Canadian canals the net increase in freight traffic over the 1924 traffic was 1,261,570 tons. Below is shown the total freight traffic on the Canadian canals for 1925.

	<u>1925 Freight Traffic</u>		<u>Compared with 1924</u>	
	Tons	Tons	Increase Tons	Decrease Tons
Sault Ste. Marie.....	1,634,970		3,422	
Welland .....	5,640,298		602,886	
St. Lawrence .....	6,206,988		670,614	
Chambly .....	203,720			21,798
St. Peter's .....	35,691			16,238
Murray .....	1,174			1,541
Ottawa .....	214,940		9,406	
Rideau .....	85,785			201
Trent .....	36,302			4,797
St. Andrew's .....	70,799		19,817	
Total	<u>14,130,667</u>		<u>1,261,570</u>	

Of this total of 14,130,667 tons of freight 9,570,311 tons or 68 per cent was of Canadian origin, the remaining 4,560,356 tons or 32 per cent originating in the United States. Canadian vessels carried 12,618,049 tons or 89 per cent of the total and United States vessels carried 11 per cent.

Sault Ste. Marie Canals:  
Canadian and United States Locks:

The aggregate vessel tonnage through these locks in 1925 amounted to 69,237,687 tons, an increase of 11,945,726 tons as compared with 1924. The total freight carried was 81,871,699 tons, a betterment of 9,836,854 tons over the previous year. The most conspicuous increases were: iron ore- 11,382,167 tons, wheat- 95,346 tons, or 3,178,200 bushels and merchandise, 79,944 tons. Decreases were: other grains- 669,369 tons, coal (hard and soft) 691,757 tons, and flour 170,707 tons. Through these locks in 1925 passed 307,520,005 bushels of



Canadian grain composed of 225,675,750 bushels of wheat, 40,267,229 bushels of oats, 31,523,580 bushels of barley, 6,203,797 bushels of flax and 3,844,649 bushels of rye. Of the total Canadian wheat 97,395,108 bushels were destined to Canadian ports and 128,280,642 bushels to United States ports. The transportation of Canadian wheat was as follows: Canadian bottoms, 104,135,187 bushels; United States bottoms, 121,176,531 bushels and other bottoms, 364,032 bushels.

#### Welland Canal:

Traffic on the Welland canal for 1925 showed gains in vessel tonnage and freight, the former of 550,625 tons and the latter of 602,886 tons. The increases in freight carried included soft coal 475,803 tons, oats 379,158 tons, barley 246,370 tons, pulpwood 76,192 tons, rye 43,805 tons and merchandise 32,770 tons. The most prominent decreases were: wheat 733,201 tons, corn 35,934 tons, and sand and stone 11,148 tons.

Of the total freight carried- 5,640,298 tons; 3,387,065 tons were of Canadian and 2,253,233 tons of United States origin an increase of 364,238 in United States freight. Canadian vessels carried 88 per cent of the total freight and United States vessels 12 per cent. 660,920 tons of Canadian freight were shipped from United States ports down the canal in 1925, a large percentage of which was Canadian grain reshipped from Buffalo to Montreal.

#### St. Lawrence Canal:

The number of vessels, the registered tonnage and the tons of freight for 1925 were the greatest on record. The United States freight amounted to 2,026,510 tons which has been exceeded only twice, in 1921 and in 1918. In 1921 there was a heavy movement of United States corn, wheat, iron and steel, oil and coal, and in 1918 the United States coal amounted to 1,971,903 tons as against 1,001,386 in 1925. The Canadian tonnage was heavier than the 1924 tonnage which was the previous high record, by 11 per cent.

The largest gains over the 1924 traffic were barley 245,699 tons, oats 364,864 tons, rye 54,290 tons, iron and steel 22,429 tons, sugar 29,963 tons, merchandise 52,368 tons, pulpwood 180,150 tons, soft coal 389,126 tons and sand 53,346 tons. Decreases included 743,476 tons of wheat, 7,347 tons of lumber and 50,750 tons of hard coal.

#### Other Canals:

The aggregate freight carried on the remaining canals was less than in the preceding year; the falling off on the Chambly and St. Peter's canals was probably attributable to the strikes in the coal areas of the United States and Nova Scotia, the decrease in hard coal on the Chambly being 30,342 tons and in soft coal on the St. Peter's canal, 14,986 tons.

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## SUMMARY OF CANAL STATISTICS

FOR DECEMBER, 1925

<u>Sault Ste. Marie Canal:</u> <u>Canadian &amp; American Locks:</u>		<u>December</u> <u>1925</u>	<u>December</u> <u>1924</u>
Vessels	No.	490	444
Registered Tonnage	Tons	1,364,227	1,160,090
Passengers	No.	51	55
Flour	Barrels	778,040	767,560
Wheat	Bushels	42,675,715	35,552,749
Other Grains	"	804,582	9,816,285
Iron Ore	Tons	-	6,414
Soft Coal	"	213,786	225,709
Hard Coal	"	-	33,872
Total Freight	"	1,836,790	1,679,266

Sault Ste. Marie Canal:  
Canadian Lock:

Vessels	No.	126	100
Registered Tonnage	Tons	171,038	158,424
Passengers	No.	46	51
Barley	Tons	4,204	1,405
Oats	"	10,241	5,984
Wheat	"	31,209	46,888
Flour	"	23,468	17,803
Total Freight	"	84,259	90,870

Welland Canal:

Vessels	No.	100	84
Registered Tonnage	Tons	84,272	62,126
Barley	"	-	2,160
Corn	"	6,113	3,276
Oats	"	6,885	5,708
Wheat	"	10,607	2,679
Soft Coal	"	27,490	23,970
Total Freight	"	69,455	60,988

St. Lawrence Canals:

Vessels	No.	135	114
Registered Tonnage	Tons	102,204	81,029
Passengers	No.	-	-
Barley	Tons	-	4,078
Corn	"	6,091	1,681
Oats	"	8,101	13,199
Wheat	"	24,656	17,663
Petroleum and Oils	"	-	500
Hard Coal	"	-	4,564
Soft Coal	"	22,796	22,685
Total Freight	"	86,556	78,266

St. Peter's Canal:

Vessels	No.	83	85
Registered Tonnage	Tons	5,725	5,839
Passengers	No.	-	13
Total Freight	Tons	2,694	3,122

Trent Canal:

Vessels	No.	2	-
Registered Tonnage	Tons	2	-
Passengers	No.	-	-
Total Freight	Tons	8	-

Other Canals closed.





SUMMARY OF CANAL STATISTICS  
FOR SEASON OF NAVIGATION, 1925

		Season of Navigation	
		1925	1924
<u>Sault Ste. Marie Canals:</u>			
<u>Canadian &amp; American Locks:</u>			
Vessels	No.	20,651	17,867
Registered Tonnage	Tons	69,237,687	57,291,961
Passengers	No.	57,095	53,825
Flour	Barrels	9,289,330	10,996,400
Wheat	Bushels	292,832,673	289,654,520
Other Grains	"	149,104,987	164,107,130
Iron Ore	Tons	53,874,364	42,491,637
Soft Coal	"	11,977,347	12,133,892
Hard Coal	"	899,989	1,435,201
Total Freight	"	81,871,699	72,034,845
<u>Sault Ste. Marie Canal:</u>			
<u>Canadian Lock:</u>			
Vessels	No.	3,534	3,316
Registered Tonnage	Tons	5,687,547	4,992,571
Passengers	No.	34,743	34,367
Barley	Tons	112,115	57,453
Oats	"	235,981	210,343
Wheat	"	445,158	402,211
Flour	"	373,348	491,582
Total Freight	"	1,634,970	1,631,548
<u>Welland Canal:</u>			
Vessels	No.	5,866	5,361
Registered Tonnage	Tons	5,567,136	5,016,511
Barley	"	326,341	79,971
Corn	"	51,076	87,010
Oats	"	583,897	204,739
Rye	"	287,019	243,214
Wheat	"	2,261,218	2,994,419
Pulpwood	"	287,959	211,767
Soft Coal	"	1,052,375	576,572
Sand	"	149,639	160,787
Total Freight	"	5,640,298	5,037,412
<u>St. Lawrence Canal:</u>			
Vessels	No.	12,556	11,538
Registered Tonnage	Tons	6,630,227	5,882,806
Passengers	No.	82,848	78,450
Corn	Tons	36,405	46,216
Oats	"	565,884	201,020
Rye	"	286,094	231,804
Wheat	"	2,250,426	2,993,902
Petroleum & Oils	"	68,740	49,265
Pulpwood	"	674,909	497,759
Hard Coal	"	96,293	147,043
Soft Coal	"	1,011,858	622,732
Sand	"	241,231	187,885
Total Freight	"	6,206,988	5,536,374
<u>Ottawa Canal:</u>			
Vessels	No.	2,246	2,313
Registered Tonnage	Tons	317,855	310,023
Passengers	No.	28,545	25,067
Total Freight	Tons	214,940	205,534
<u>Rideau Canal:</u>			
Vessels	No.	1,496	1,419
Registered Tonnage	Tons	105,036	103,384
Passengers	No.	4,359	3,345
Total Freight	Tons	85,785	85,986



SUMMARY OF CANAL STATISTICS  
FOR SEASON OF NAVIGATION, 1925

		For Season of Navigation	
		1925	1924
<u>Chambly Canal:</u>			
Vessels	No.	1,476	1,523
Registered Tonnage	Tons	183,541	188,490
Passengers	No.	651	844
Total Freight	Tons	203,720	225,518
<u>Trent Canal:</u>			
Vessels	No.	2,701	3,079
Registered Tonnage	Tons	98,458	121,508
Passengers	No.	53,936	61,929
Total Freight	Tons	36,302	41,099
<u>Murray Canal:</u>			
Vessels	No.	493	386
Registered Tonnage	Tons	46,703	38,603
Passengers	No.	3,377	3,673
Total Freight	Tons	1,174	2,715
<u>St. Peter's Canal:</u>			
Vessels	No.	1,196	1,378
Registered Tonnage	Tons	81,363	87,891
Passengers	No.	213	298
Total Freight	Tons	35,691	51,929
<u>St. Andrew's Canal:</u>			
Vessels	No.	384	387
Registered Tonnage	Tons	71,843	68,299
Passengers	No.	-	-
Total Freight	Tons	70,799	50,982

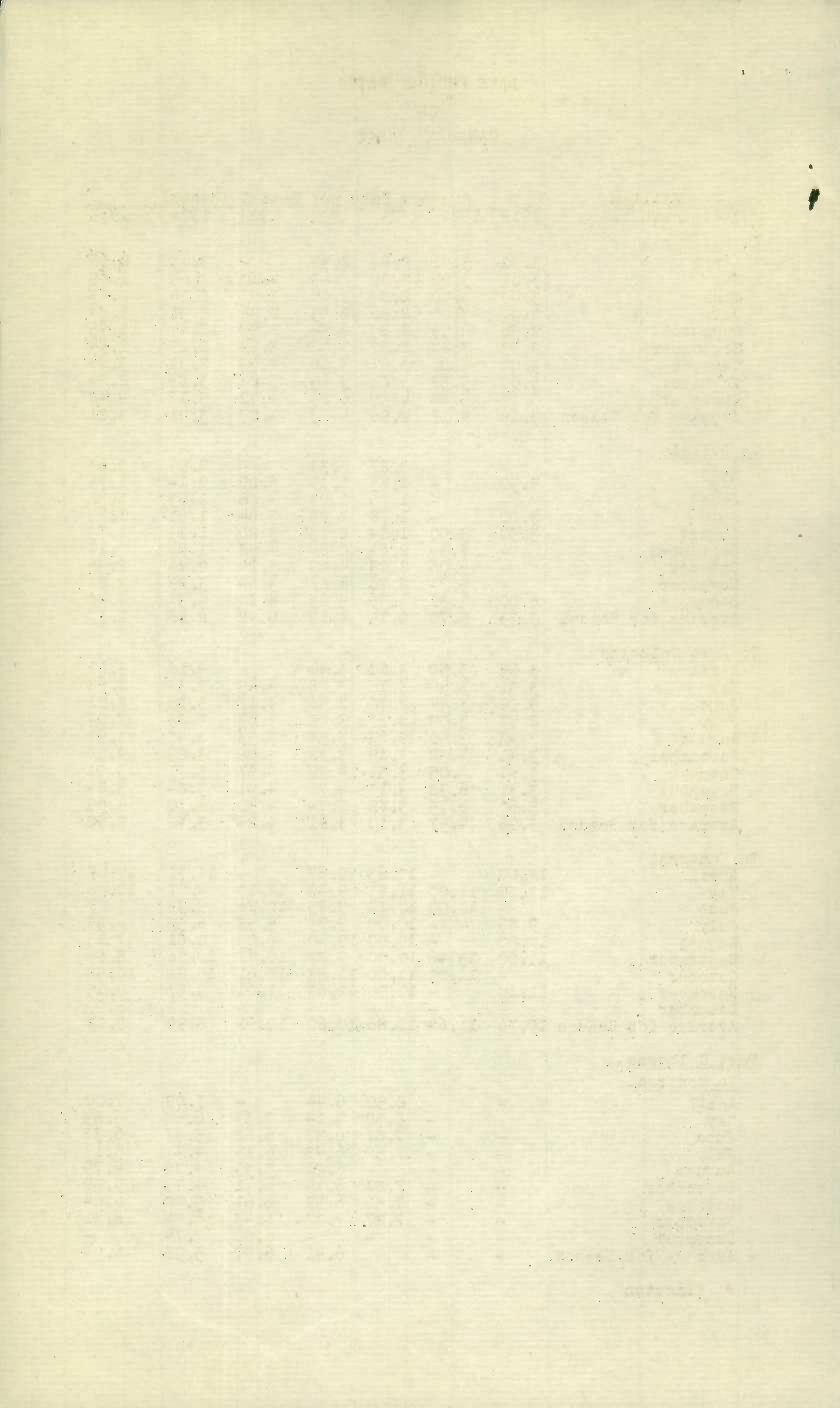
TRAFFIC ON CANADIAN CANALS, 1925

Canal	Freight Tonnage	Compared with 1924	
		Increase	Decrease
Sault Ste. Marie	1,634,970	3,422	
Welland	5,640,298	602,886	
St. Lawrence	6,206,988	670,614	
Chambly	203,720		21,798
St. Peter's	35,691		16,238
Murray	1,174		1,541
Ottawa	214,940	9,406	
Rideau	85,785		201
Trent	36,302		4,797
St. Andrew's	70,799	19,817	
Total	14,130,667	1,261,570	



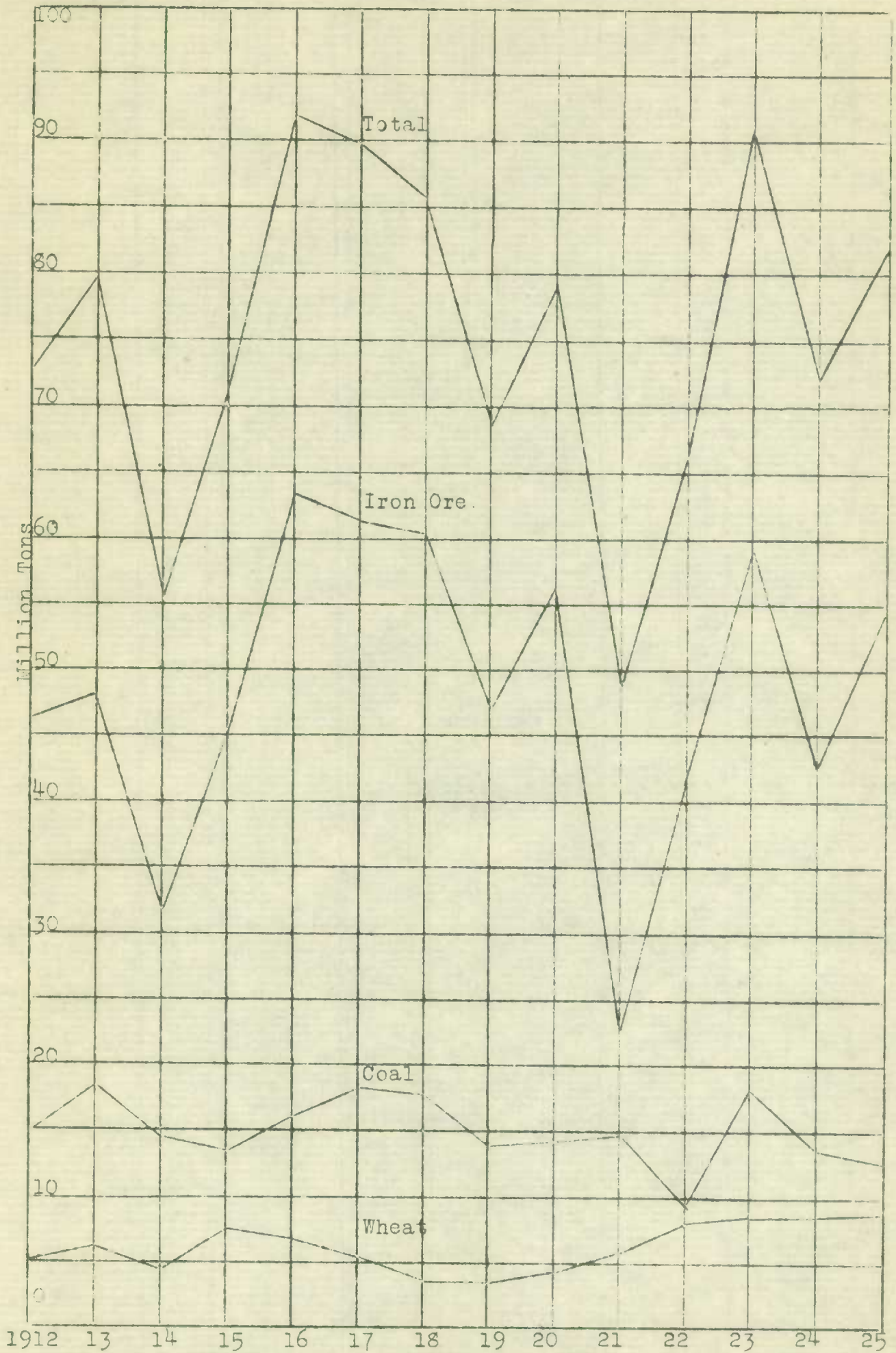
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LAKE FREIGHT RATES  
ON  
CANADIAN WHEAT

From Mt. William and Pt. Arthur	Average Rate per Bushel (cents)						
	1919	1920	1921	1922	1923	1924	1925
<u>To Bay Ports</u>							
April	3.50	3.01	2.68	2.99	-	3.43	2.66
May	3.07	3.00	2.29	2.43	4.10	2.65	1.85
June	3.00	3.00	2.25	2.46	3.71	2.26	1.83
July	2.34	3.00	2.26	2.53	2.86	2.51	1.84
August	2.36	2.99	2.25	2.84	2.99	2.44	1.95
September	2.93	3.87	2.97	3.00	3.54	2.19	2.54
October	3.00	5.08	3.01	3.88	4.53	2.91	3.44
November	3.00	5.52	3.06	3.85	3.87	3.83	2.84
December	5.15	5.64	4.59	6.25	4.72	5.17	4.42
Average for Season	3.15	4.17	2.96	4.43	4.07	3.51	3.21
<u>To Buffalo</u>							
April	-	-	2.27	2.31	-	2.90	2.64
May	3.50	-	1.75	2.19	5.29	2.14	1.74
June	-	-	1.75	2.03	4.86	1.63	1.58
July	3.00	-	1.78	2.29	3.64	1.61	1.75
August	3.50	3.00	1.84	2.73	3.20	1.47	1.75
September	-	5.34	2.04	2.84	4.58	1.95	2.17
October	-	6.06	2.05	4.49	5.24	2.26	2.36
November	-	5.74	2.76	4.87	3.64	3.29	2.84
December	6.00	5.31	4.86	5.89	4.80	5.37	4.48
Average for Season	3.73	5.70	2.15	4.19	4.42	2.88	2.70
<u>To Port Colborne</u>							
April	3.95	3.50	3.82	3.44	-	4.18	3.11
May	3.31	3.50	3.18	3.02	4.45	3.34	2.63
June	3.02	3.44	2.70	2.96	4.17	3.19	2.01
July	2.57	3.50	2.77	3.01	3.67	2.83	2.07
August	3.43	3.50	2.63	3.33	3.33	2.48	1.97
September	3.41	4.32	3.19	3.72	3.99	3.29	2.69
October	3.41	6.05	3.31	4.29	4.57	3.71	3.31
November	3.31	6.32	3.18	4.71	4.51	3.84	3.84
December	5.60	6.75	3.79	5.74	4.30	4.70	4.09
Average for Season	3.46	4.57	3.13	3.81	4.24	3.46	2.92
<u>To Montreal</u>							
April	12.00	-	12.63	9.67	-	11.71	10.87
May	11.50	11.00	11.71	9.49	12.10	9.57	10.06
June	-	11.00	10.18	9.75	10.26	9.33	9.07
July	9.89	-	10.00	9.75	9.32	6.52	6.53
August	10.50	-	10.00	10.40	9.05	6.81	7.13
September	11.00	13.46	10.00	9.77	10.77	10.06	8.86
October	-	11.00	11.00	11.93	12.61	10.22	10.58
November	11.10	-	11.00	12.63	11.01	9.57	9.15
December	-	-	-	-	-	-	6.00
Average for Season	10.76	11.64	10.86	10.60	10.91	8.99	9.03
<u>Port Colborne</u>							
<u>To Montreal</u>							
April	-	-	8.50	6.44	-	7.02	7.00
May	-	-	8.50	6.14	7.33	6.62	6.83
June	-	-	7.87	6.37	6.62	5.97	6.31
July	-	-	7.50	6.42	6.15	4.71	5.19
August	-	-	-	6.21	5.39	4.32	4.79
September	-	-	7.87	6.15	4.41	4.73	5.52
October	-	-	7.50	6.92	6.61	5.98	6.64
November	-	-	7.27	7.02	6.43	6.54	6.31
December	-	-	-	-	6.00	5.74	-
Average for Season	-	-	-	6.41	6.07	5.58	6.04
# Kingston							



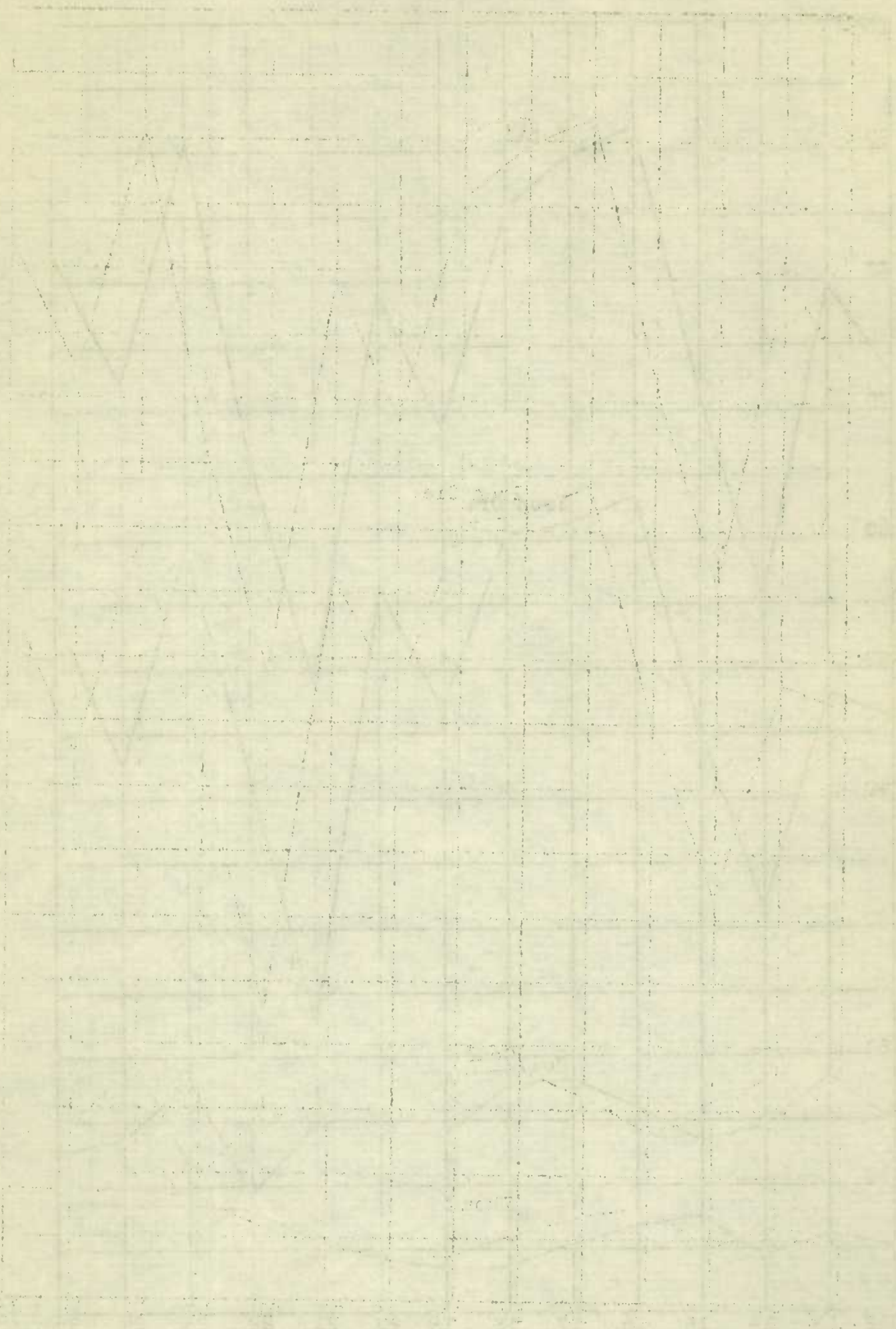
FREIGHT TRAFFIC ON SAULT STE. MARIE CANALS

(Canadian and United States Locks)



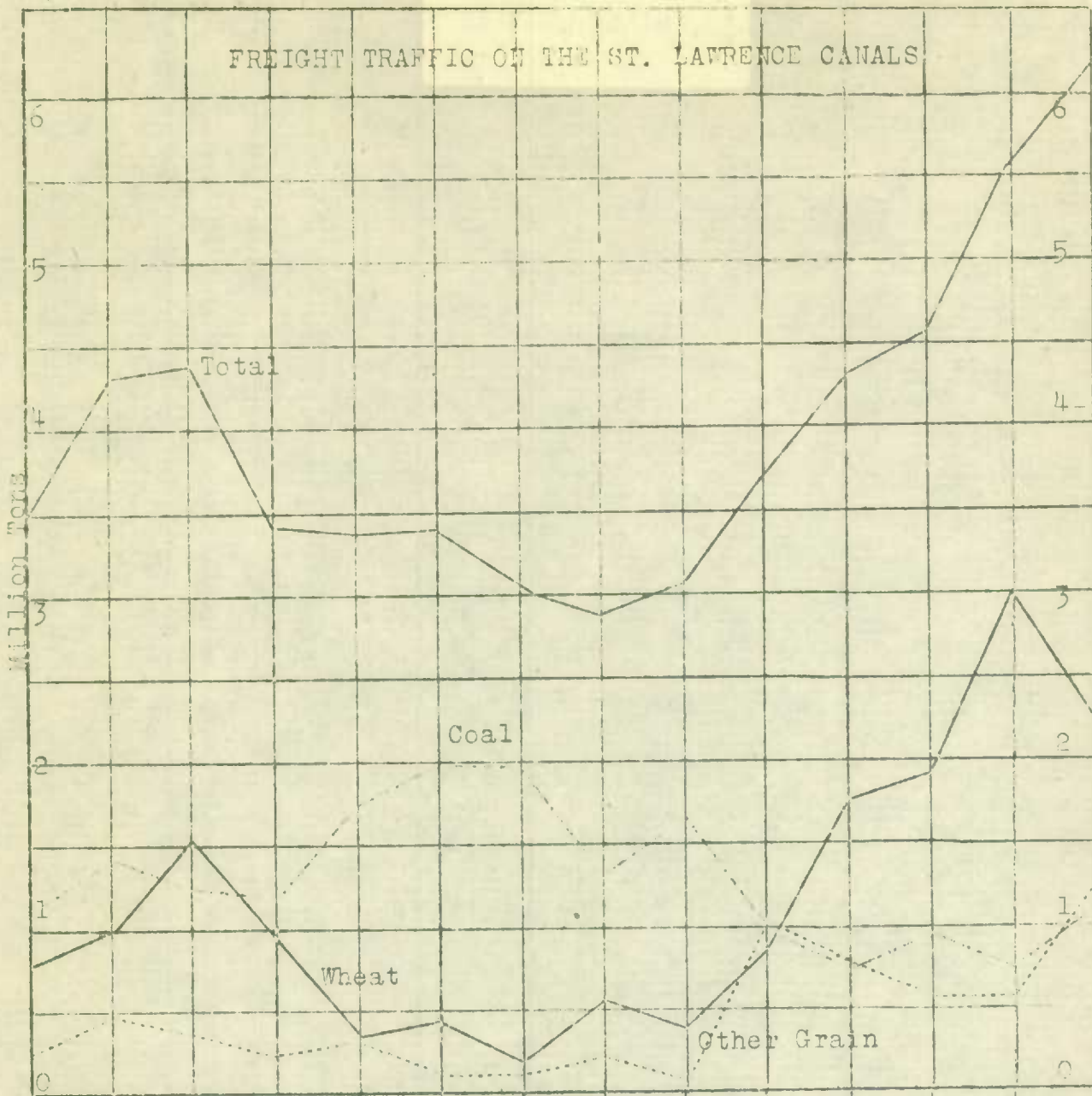
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Technical Bulletin No. 100

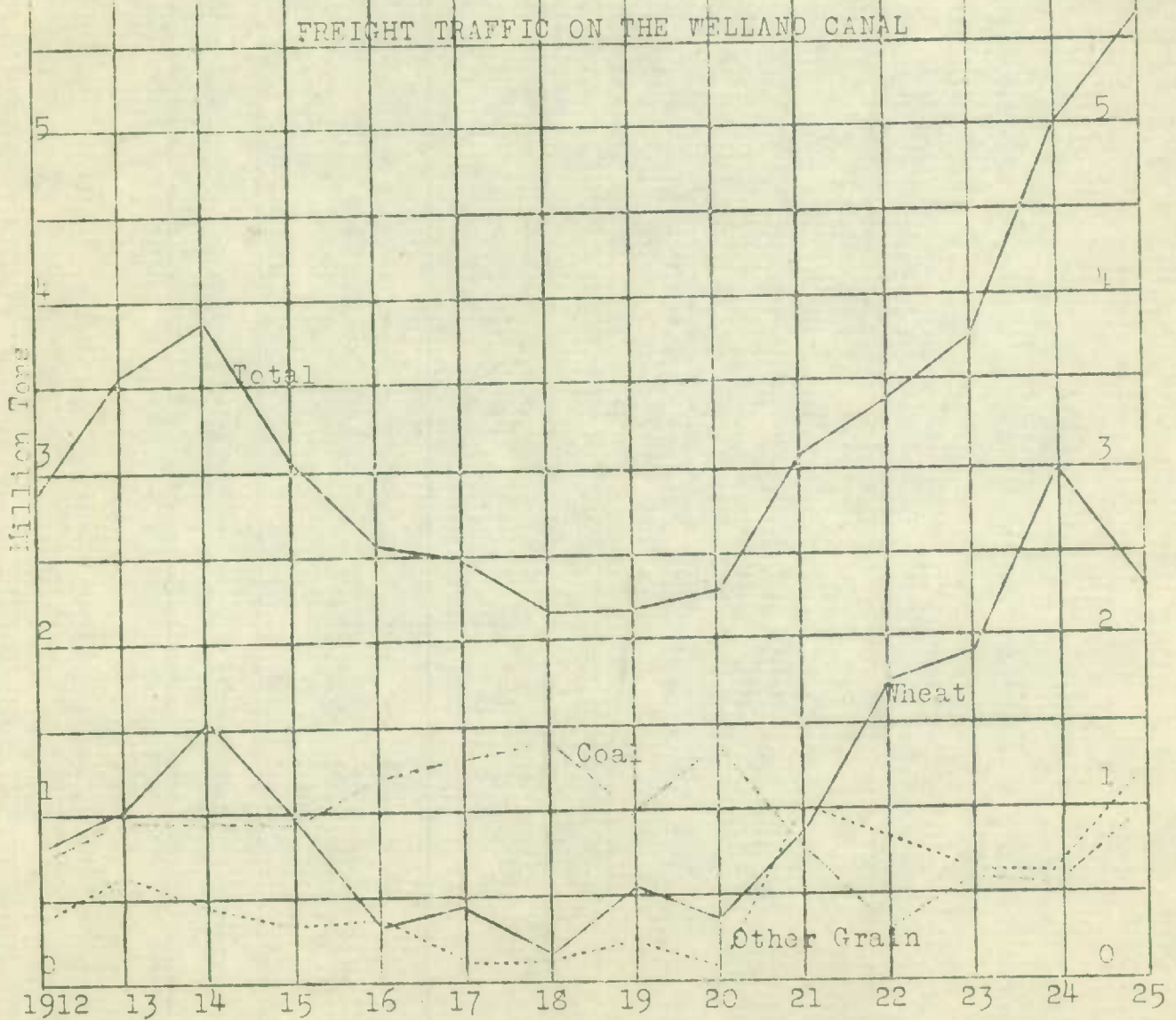




FREIGHT TRAFFIC ON THE ST. LAWRENCE CANALS



FREIGHT TRAFFIC ON THE WELAND CANAL



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