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SUMMARY OF CANAL STATISTICS

JULY 1964

The total volume of freight transported through Canadian canals in July 1964 increased 23.3 per cent, to 12,126,564 tons from 9,833,707 tons moved in July 1963. Increased transportation of wheat, by 1,462,653 tons, or 91.2 per cent, and iron ore, by 631,763 tons, accounted for most of this increase. Vessel passages through Canadian canals declined slightly to 3,368 from 3,376 in the same month last year. The registered net tonnage of these vessels rose to 8,454,050 tons from 7,917,605 tons.

St. Lawrence Canals: The tonnage of freight transported increased 25.1 per cent, to 5,218,978 tons from 4,173,044 tons moved in July 1963. Wheat shipments almost doubled, to 1,518,392 tons from 786,836 tons, and iron ore tonnage increased to 1,696,425 tons from 1,229,744 tons. The movement of upbound freight increased to 2,537,263 tons from 2,042,415 tons, while downbound freight rose to 2,681,715 tons from 2,130,629 tons. During the month a total of 1,065 vessels of 3,332,514 registered net tons passed through the Canals, compared to 1,102 vessels of 3,100,493 tons.

Welland Canal: The volume of freight rose 22.8 per cent, to 6,616,691 tons from 5,387,725 tons in the corresponding month last year. Upbound freight amounted to 2,515,948 tons, compared to 1,748,692 tons, while downbound freight increased to 4,100,743 tons from 3,639,033 tons. The number of vessel passages increased to 1,062 from 1,045, while the registered net tonnage of these vessels rose to 4,578,362 tons from 4,318,664 tons.

Sault Ste. Marie Canals - Canadian Lock and United States Locks: Total freight moved through the combined system recorded a 1.9 per cent increase, to 13,202,450 tons from 12,953,283 tons carried in July 1963. Freight transported through the Canadian lock, however, declined to 114,937 tons from 132,738 tons. Total upbound traffic through the combined system decreased to 1,125,244 tons from 1,202,102 tons, but downbound freight increased to 12,077,206 tons from 11,751,181 tons. Iron ore shipments through the system rose to 10,077,030 tons from 9,808,308 tons, while wheat shipments increased to 1,549,217 tons from 1,160,160 tons. Vessel passages through the system totalled 2,817, compared to 2,831 in the same month last year.

Transportation Section
Public Finance and Transportation Division

September
8504-517

TABLE 1. Vessel Passages, Registered Net Tonnage, and Tonnage of Freight for All Canals

Canal	July 1964			1963	Cumulative	Cumulative
	Number of vessel passages	Registered net tonnage of vessels	Tonnage of freight	Tonnage of freight	Tonnage of freight 1964	Tonnage of freight 1963
St. Peter's Canal	59	1,205	60	93	145	344
Canso Canal	250	145,747	157,738	129,640	461,482	458,449
Richelieu River Canals	96	18,272	15,681	9,029	49,581	19,198
St. Lawrence Canals	1,065	3,332,514	5,218,978	4,173,044	19,030,538	14,029,674
Ottawa River Canals	57	2,803	1,575	840	7,104	1,140
Rideau Canal	1	63	-	-	-	-
Murray Canal	8	151	-	-	-	-
Trent Canal	72	177	9	18	28	26
Welland Canal	1,067	4,578,362	6,616,691	5,387,725	23,918,166	18,112,617
Sault Ste. Marie Canal - Can. lock ..	610	370,989	114,937	132,738	311,839	380,170
St. Andrew's Canal	83	3,767	895	580	1,341	1,243
Totals	3,368	8,454,050	12,126,564	9,833,707	43,780,224	33,002,861
Sault Ste. Marie Canal - U.S. locks	2,207	..	13,087,513	12,820,545	44,943,930	37,185,314

.. Figures not available.

TABLE 2. Tonnages of Freight Transported through the St. Lawrence Canals, by Commodity, by Direction, and by Type of Cargo, July 1964

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	907	-	6,070	-	6,977	6,977
Fish and marine animals	-	784	-	819	-	1,603	1,603
Butter	-	-	-	1,727	-	1,727	1,727
Milk powder	-	39	-	49,993	-	50,032	50,032
Barley	-	-	51,284	-	51,284	-	51,284
Corn	-	-	319,323	-	319,323	-	319,323
Oats	-	-	32,871	-	32,871	-	32,871
Rye	-	-	11,919	-	11,919	-	11,919
Wheat	-	-	1,518,392	-	1,518,392	-	1,518,392
Corn meal	-	-	5,610	-	5,610	-	5,610
Malt	-	-	7,462	-	7,462	-	7,462
Flour, wheat	-	-	17,341	-	17,341	-	17,341
Fruits and fruit preparations	-	5,519	-	150	-	5,669	5,669
Beans and peas, dried	21	-	13,636	-	13,657	-	13,657
Sugar, raw	2,544	-	-	-	2,544	-	2,544
Molasses, crude and refined	10,399	-	-	-	10,399	-	10,399
Lard	-	-	19,905	611	19,905	611	20,516
Soyabean oil cake and meal	-	-	30,511	-	30,511	-	30,511
Feeds of vegetable origin	-	-	-	183	-	183	183
Feeds of animal origin	-	-	-	-	-	-	-
Ale, beer, stout and porter	-	1,967	67	120	67	2,087	2,154
Wines	-	2,602	-	-	-	2,602	2,602
Distilled alcoholic beverages	-	3,406	-	64	-	3,470	3,470
Raw hides and skins	-	854	-	11,633	-	12,487	12,487
Flaxseed	-	-	29,860	-	29,860	-	29,860
Soyabeans	-	-	130,058	-	130,058	-	130,058
Rubber, natural	-	12,474	-	159	-	12,633	12,633
Logs and round timber	-	-	2,023	-	2,023	-	2,023
Pulpwood	64,968	-	216	-	65,184	-	65,184
Aluminum ore and concentrates	22,139	-	-	-	22,139	-	22,139
Iron ore	1,696,425	-	-	-	1,696,425	-	1,696,425
Iron and steel scrap	-	-	78,112	-	78,112	-	78,112
Non-ferrous metal scrap	-	27	-	1,490	-	1,517	1,517
Coal, bituminous	81,924	-	32,139	-	114,063	-	114,063
Petroleum, crude	24,165	-	-	-	24,165	-	24,165
Bentonite	-	-	1,460	-	1,460	-	1,460
Stone, crushed and broken	-	-	-	-	-	-	-
Gypsum	5,028	-	-	-	5,028	-	5,028
Phosphate rock	-	-	-	-	-	-	-
Salt	-	-	15,256	-	15,256	-	15,256
Sulphur	3,832	-	-	-	3,832	-	3,832
Wood fabricated materials	2,885	9,089	-	2,432	2,885	11,521	14,406
Woodpulp	2,866	-	-	-	2,866	-	2,866
Newsprint paper	-	47,035	-	-	-	47,035	47,035
Cordage, twine and rope	-	1,749	-	-	-	1,749	1,749

See note at end of table.

TABLE 2. Tonnages of Freight Transported through the St. Lawrence Canals, by Commodity, by Direction, and by Type of Cargo, July 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Animal oils and fats (ex. marine) ...	551	-	29,220	-	29,771	-	29,771
Soyabean oil	-	-	-	-	-	-	-
Fertilizers	192	404	-	16	192	420	612
Rubber, synthetic and reclaimed	-	324	1,078	3,717	1,078	4,041	5,119
Chemical products	25,232	4,491	10,069	12,997	35,301	17,488	52,789
Gasoline	4,716	-	-	-	4,716	-	4,716
Fuel oil	189,766	-	14,338	-	204,104	-	204,104
Lubricating oils and greases	5,252	3	-	625	5,252	628	5,880
Coke	8,245	-	41,003	-	49,248	-	49,248
Tar, pitch and creosote	-	-	1,015	-	1,015	-	1,015
Ferro-alloys	-	-	-	-	-	-	-
Pig iron	33,728	-	-	-	33,728	-	33,728
Iron and steel - Ingot, bar and rod	-	30,851	-	10,430	-	41,281	41,281
Steel - Plate, sheet and strip	-	17,868	-	19,273	-	37,141	37,141
Structural shapes and sheet piling ..	8,291	61,458	257	157	8,548	61,615	70,163
Iron and steel - Pipes and fittings ..	-	4,179	-	447	-	4,626	4,626
Wire and wire rope	-	11,584	-	65	-	11,649	11,649
Aluminum - Bar, ingot, pig and slab ..	460	1,791	-	90	460	1,881	2,341
Glass - Plate, sheet and structural ..	-	6,118	-	680	-	6,798	6,798
Machinery, equipment and parts	-	5,102	60	12,078	60	17,180	17,240
Motor vehicles and parts	382	8,530	-	10,625	382	19,155	19,537
Domestic package freight	26,028	-	67,906	-	93,934	-	93,934
Total freight carried	2,256,638	280,625	2,503,617	178,098	4,760,255	458,723	5,218,978(2)

(1) In previous years upbound was referred to as westbound, and downbound was referred to as eastbound.
 (2) Includes 10,863 tons of non-toll traffic using only the Lachine canal.

TABLE 3. Tonnages of Freight Transported through the Welland Canal, by Commodity, by Direction, and by Type of Cargo, July 1964

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	436	-	5,520	-	5,956	5,956
Fish and marine animals	-	511	-	819	-	1,330	1,330
Butter	-	-	-	1,727	-	1,727	1,727
Milk powder	-	-	-	48,538	-	48,538	48,538
Barley	-	-	65,055	-	65,055	-	65,055
Corn	3,612	-	334,857	-	338,469	-	338,469
Oats	-	-	35,079	-	35,079	-	35,079
Rye	-	-	11,919	-	11,919	-	11,919
Wheat	-	-	1,547,611	-	1,547,611	-	1,547,611
Corn meal	-	-	5,610	-	5,610	-	5,610
Malt	-	-	7,405	-	7,405	-	7,405
Flour, wheat	-	-	17,341	-	17,341	-	17,341
Fruits and fruit preparations	-	3,288	-	48	-	3,336	3,336
Beans and peas, dried	-	-	13,512	-	13,512	-	13,512
Sugar, raw	-	-	-	-	-	-	-
Molasses, crude and refined	9,930	-	-	-	9,930	-	9,930
Lard	-	-	19,905	611	19,905	611	20,516
Soyabean oil cake and meal	-	-	7,328	-	7,328	-	7,328
Feeds of vegetable origin	-	-	-	-	-	-	-
Feeds of animal origin	-	-	-	-	-	-	-
Ale, beer, stout and porter	-	1,669	-	120	-	1,789	1,789
Wines	-	1,565	-	-	-	1,565	1,565
Distilled alcoholic beverages	-	2,928	-	62	-	2,990	2,990
Raw hides and skins	-	732	-	9,664	-	10,396	10,396
Flaxseed	-	-	31,415	-	31,415	-	31,415
Soyabeans	-	-	184,211	-	184,211	-	184,211
Rubber, natural	-	9,799	-	159	-	9,958	9,958
Logs and round timber	-	-	1,728	-	1,728	-	1,728
Pulpwood	44,888	-	12,744	-	57,632	-	57,632
Aluminum ore and concentrates	22,139	-	-	-	22,139	-	22,139
Iron ore	1,738,977	-	624,392	-	2,363,369	-	2,363,369
Iron and steel scrap	-	-	87,582	-	87,582	-	87,582
Non-ferrous metal scrap	-	10	-	1,008	-	1,018	1,018
Coal, bituminous	-	-	628,845	-	628,845	-	628,845
Bentonite	-	-	1,460	-	1,460	-	1,460
Sand and gravel	5,503	-	12,047	-	17,550	-	17,550

See note at end of table.



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TABLE 3. Tonnages of Freight Transported through the Welland Canal, by Commodity, by Direction, and by Type of Cargo,
July 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
tons							
Stone, crushed and broken	143,221	-	10,627	-	153,848	-	153,848
Salt	-	-	-	-	-	-	-
Sulphur	3,832	-	-	-	3,832	-	3,832
Wood fabricated materials	250	6,545	-	557	250	7,102	7,352
Woodpulp	2,866	-	-	-	2,866	-	2,866
Newsprint paper	-	60,066	-	-	-	60,066	60,066
Cordage, twine and rope	-	618	-	-	-	618	618
Animal oils and fats (Ex. marine) ...	551	-	28,322	-	28,873	-	28,873
Soyabean oil	-	-	-	-	-	-	-
Sodium products	-	159	24,512	558	24,512	717	25,229
Rubber, synthetic and reclaimed	-	190	1,078	3,702	1,078	3,892	4,970
Chemical products	30,113	1,777	10,310	9,950	40,423	11,727	52,150
Gasoline	13,813	-	2,185	-	15,998	-	15,998
Fuel oil	72,736	-	69,144	-	141,880	-	141,880
Lubricating oils and greases	7,460	-	2,876	625	10,336	625	10,961
Coke	-	-	41,003	-	41,003	-	41,003
Tar, pitch and creosote	2,516	-	6,082	-	8,598	-	8,598
Ferro-alloys	7,429	-	-	-	7,429	-	7,429
Pig iron	33,728	-	-	-	33,728	-	33,728
Iron and steel - Ingot, bar and rod	-	28,787	-	10,125	-	38,912	38,912
Steel - Plate, sheet and strip	2	17,134	136	10,341	138	27,475	27,613
Structural shapes and sheet piling ..	6,812	52,181	628	91	7,440	52,272	59,712
Iron and steel - Pipes and fittings ..	-	3,051	-	257	-	3,308	3,308
Wire and wire rope	-	10,710	-	63	-	10,773	10,773
Aluminum - Bar, ingot, pig and slab ..	-	1,787	-	90	-	1,877	1,877
Glass - Plate, sheet and structural ..	-	4,500	-	680	-	5,180	5,180
Cement	2,509	77	7,947	-	10,456	77	10,533
Machinery, equipment and parts	-	2,320	-	11,221	-	13,541	13,541
Motor vehicles and parts	382	6,965	-	9,429	382	16,394	16,776
Domestic package freight	32,524	-	45,586	-	78,110	-	78,110
Total freight carried	2,272,598	243,350	3,949,980	150,763	6,222,578	394,113	6,616,691

(1) In previous years upbound was referred to as westbound, and downbound was referred to as eastbound.

TABLE 4. Tonnages of Freight Transported through the Sault Ste. Marie Canals, by Commodity and by Direction,
July 1964

Commodity	Upbound(1)		Downbound(1)		Total	
	Canadian lock	Canadian and U.S. locks	Canadian lock	Canadian and U.S. locks	Canadian lock	Canadian and U.S. locks
tons						
Barley	-	-	-	90,163	-	90,163
Corn	-	-	-	8,820	-	8,820
Oats	-	-	-	39,488	-	39,488
Rye	-	-	-	14,061	-	14,061
Wheat	-	-	-	1,549,217	-	1,549,217
Flour, wheat	109	109	-	7,113	109	7,222
Cereals, milled, n.e.s.	-	-	4,677	54,696	4,677	54,696
Flaxseed	-	-	-	31,336	-	31,336
Pulpwood, lumber and logs	150	150	2,358	35,422	2,508	35,572
Iron ore	-	17,920	-	10,059,110	-	10,077,030
Iron and steel scrap	-	-	-	29,594	-	29,594
Coal, anthracite	-	11,977	-	-	-	11,977
Coal, bituminous	-	645,143	-	-	-	645,143
Sand, gravel and stone	3,191	215,389	18,267	18,267	21,458	233,656
Non-metallic minerals, mfrs	5,000	20,050	-	-	5,000	20,050
Paper and woodpulp	-	-	24,393	35,914	24,393	35,914
Gasoline	3,688	9,955	6,862	6,862	10,550	16,817
Fuel oil	10,211	64,426	-	-	10,211	64,426
Coke	-	-	-	-	-	-
Other petroleum products	-	-	-	-	-	-
Pig iron	-	-	-	4,488	-	4,488
Iron and steel, manufactured	186	34,162	13,797	38,887	13,983	73,049
Cement	-	26,543	-	-	-	26,543
Motor vehicles	-	181	-	-	-	181
Miscellaneous freight	433	67,921	3,487	46,958	3,920	114,879
Domestic package freight	11,318	11,318	6,810	6,810	18,128	18,128
Total freight carried	34,286	1,125,244	80,651	12,077,206	114,937	13,202,450

(1) In previous years upbound was referred to as westbound, and downbound was referred to as eastbound.