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OTTAWA - CANADA

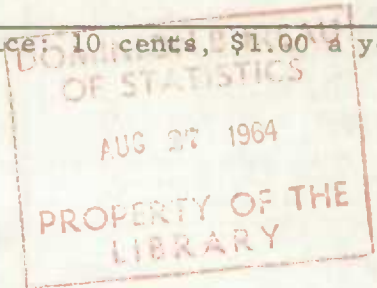
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## SUMMARY OF CANAL STATISTICS

JUNE 1964



The total volume of freight transported through Canadian canals in June 1964 increased 19.6 per cent, to 12,140,227 tons from 10,150,049 tons moved in June 1963. Increased transportation of wheat, by 2,093,873 tons, and iron ore, by 315,658 tons, accounted for most of this increase. Vessel passages through Canadian canals declined fractionally to 2,959 from 2,960 in the same month last year. The registered net tonnage of these vessels rose to 8,656,966 tons from 7,761,037 tons.

St. Lawrence Canals: The tonnage of freight transported increased by 22.1 per cent, to 5,209,052 tons from 4,266,283 tons moved in June 1963. The movement of upbound commodities increased to 2,253,461 tons from 2,102,817 tons, while downbound commodities increased to 2,955,591 tons from 2,163,466 tons. During the month a total of 999 vessels of 3,461,531 registered net tons passed through the Canals, compared to 1,104 vessels of 3,109,573 tons.

Welland Canal: The volume of freight rose 19.1 per cent, to 6,654,624 tons from 5,587,549 tons in the same month last year. Wheat shipments more than doubled, to 1,682,013 tons from 648,926 tons, and iron ore tonnage increased to 2,094,719 tons from 2,039,929 tons. Upbound freight amounted to 2,357,335 tons, compared to 2,083,667 tons, while downbound freight rose to 4,297,289 tons from 3,503,882 tons. The number of vessel passages increased to 1,056 from 1,023, while the registered net tonnage of these vessels increased to 4,692,218 tons from 4,168,543 tons.

Sault Ste. Marie Canals - Canadian Lock and United States Locks: Total freight transported through the combined system recorded a 4.9 per cent increase, to 13,028,829 tons from 12,425,692 tons transported in June 1963. Freight carried through the Canadian lock, however, decreased to 80,887 tons from 122,708 tons. Total upbound freight through the combined system increased to 1,583,190 tons from 1,465,902 tons, and downbound freight increased to 11,445,639 tons from 10,959,790 tons. Iron ore shipments through the system decreased to 9,000,094 tons from 9,100,581 tons, but wheat shipments increased 107.1 per cent, to 1,736,619 tons from 837,791 tons.

Transportation Section  
Public Finance and Transportation Section

August 1964  
8504-517

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

Canal	June 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 .....	50	1,115	53	169	85	251
Canso Canal .....	182	145,004	180,037	168,554	303,744	328,809
Richelieu River Canals .....	81	15,149	11,182	4,300	33,900	10,169
St. Lawrence Canals .....	999	3,461,531	5,209,052	4,266,283	13,811,560	9,856,630
Ottawa River Canals .....	56	4,109	3,966	-	5,529	300
Rideau Canal .....	1	6	-	-	-	-
Murray Canal .....	16	534	-	-	-	-
Trent Canal .....	74	506	12	8	19	8
Weiland Canal .....	1,056	4,692,218	6,654,624	5,587,549	17,301,475	12,724,892
Sault Ste. Marie Canal - Can. lock ..	406	335,226	80,887	122,708	196,902	247,432
St. Andrew's Canal .....	38	1.5 9	414	478	446	663
Totals .....	2,959	8,656,966	12,140,227	10,150,049	31,653,653	23,169,154
Sault Ste. Marie Canal - U.S. locks	1,804	..	12,947,942	12,302,984	31,856,417	24,364,769

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations .....	-	141	-	5,550	-	5,691	5,691
Fish and marine animals .....	-	609	-	-	-	609	609
Butter .....	-	-	19	2,547	19	2,547	2,566
Milk powder .....	-	-	-	51,275	-	51,275	51,275
Barley .....	-	-	129,236	-	129,236	-	129,236
Corn .....	-	-	315,096	-	315,096	-	315,096
Oats .....	-	-	37,640	-	37,640	-	37,640
Rye .....	-	-	17,003	-	17,003	-	17,003
Wheat .....	-	-	1,645,954	-	1,645,954	-	1,645,954
Corn meal .....	-	-	15,614	-	15,614	-	15,614
Malt .....	-	-	10,625	-	10,625	-	10,625
Flour, wheat .....	681	-	35,297	-	35,978	-	35,978
Fruits and fruit preparations .....	-	8,224	-	550	-	8,774	8,774
Beans and peas, dried .....	48	-	6,206	-	6,254	-	6,254
Sugar, raw .....	10,679	-	-	-	10,679	-	10,679
Molasses, crude and refined .....	-	-	-	-	-	-	-
Lard .....	-	-	11,247	2,192	11,247	2,192	13,439
Soyabean oil cake and meal .....	-	-	35,902	33	35,902	33	35,935
Feeds of vegetable origin .....	-	-	7,627	529	7,627	529	8,156
Feeds of animal origin .....	-	-	3,411	-	3,411	-	3,411
Ale, beer, stout and porter .....	-	1,386	-	32	-	1,418	1,418
Wines .....	-	2,636	-	58	-	2,694	2,694
Distilled alcoholic beverages .....	-	4,356	-	239	-	4,595	4,595
Raw hides and skins .....	-	365	-	11,761	-	12,126	12,126
Flaxseed .....	-	-	30,002	-	30,002	-	30,002
Soyabeans .....	-	-	87,867	-	87,867	-	87,867
Rubber, natural .....	-	7,470	-	-	-	7,470	7,470
Logs and round timber .....	-	-	2,201	28	2,201	28	2,229
Pulpwood .....	34,901	-	-	-	34,901	-	34,901
Aluminum ore and concentrates .....	18,387	-	-	-	18,387	-	18,387
Iron ore .....	1,568,736	-	-	-	1,568,736	-	1,568,736
Iron and steel scrap .....	67	-	101,811	-	101,878	-	101,878
Non-ferrous metal scrap .....	-	49	-	2,248	-	2,297	2,297
Coal, bituminous .....	48,553	-	60,753	-	109,306	-	109,306
Petroleum, crude .....	14,039	-	-	-	14,039	-	14,039
Bentonite .....	-	-	8,706	68	8,706	68	8,774
Stone, crushed and broken .....	-	-	-	-	-	-	-
Gypsum .....	8,513	-	-	-	8,513	-	8,513
Phosphate rock .....	-	-	-	-	-	-	-
Salt .....	-	-	15,257	-	15,257	-	15,257
Sulphur .....	11,496	-	-	-	11,496	-	11,496
Wood fabricated materials .....	3,596	7,069	-	2,959	3,596	10,028	13,624
Woodpulp .....	1,758	-	1,913	-	3,671	-	3,671
Newsprint paper .....	-	38,602	-	725	-	39,327	39,327
Cordage, twine and rope .....	-	1,949	-	-	-	1,949	1,949

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, June 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Animal oils and fats (ex. marine) ...	-	-	43,342	-	43,342	-	43,342
Soyabean oil .....	-	-	5,312	-	5,312	-	5,312
Fertilizers .....	64	129	-	134	64	263	327
Rubber, synthetic and reclaimed .....	-	204	356	4,872	356	5,076	5,432
Chemical products .....	21,208	5,502	11,850	16,483	33,058	21,985	55,043
Gasoline .....	13,053	-	-	-	13,053	-	13,053
Fuel oil .....	174,985	-	21,971	-	196,956	-	196,956
Lubricating oils and greases .....	1,740	-	-	758	1,740	758	2,498
Coke .....	-	-	24,516	-	24,516	-	24,516
Tar, pitch and creosote .....	-	-	3,510	-	3,510	-	3,510
Ferro-alloys .....	2,286	-	-	-	2,286	-	2,286
Pig iron .....	12,777	-	-	-	12,777	-	12,777
Iron and steel - Ingot, bar and rod .....	-	22,386	-	1,522	-	23,908	23,908
Steel - Plate, sheet and strip .....	-	14,744	-	26,931	-	41,675	41,675
Structural shapes and sheet piling ..	1,273	48,523	-	2,865	1,273	51,388	52,661
Iron and steel - Pipes and fittings .....	-	2,428	-	3,356	-	5,784	5,784
Wire and wire rope .....	-	21,885	-	182	-	22,067	22,067
Aluminum - Bar, ingot, pig and slab .....	490	1,398	-	125	490	1,523	2,013
Glass - Plate, sheet and structural .....	-	4,893	-	61	-	4,954	4,954
Machinery, equipment and parts .....	-	7,732	398	9,891	398	17,623	18,021
Motor vehicles and parts .....	-	8,481	-	15,089	-	23,570	23,570
Domestic package freight .....	22,790	-	49,725	-	72,515	-	72,515
Total freight carried .....	2,011,314	242,147	2,766,206	189,385	4,777,520	431,532	5,209,052(2)

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

(2) Includes 8,800 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, June 1964

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations .....	-	996	-	5,041	-	6,037	6,037
Fish and marine animals .....	-	391	-	-	-	391	391
Butter .....	-	-	19	2,547	19	2,547	2,566
Milk powder .....	-	-	-	51,127	-	51,127	51,127
Barley .....	-	-	165,637	-	165,637	-	165,637
Corn .....	-	-	336,432	-	336,432	-	336,432
Oats .....	-	-	44,439	-	44,439	-	44,439
Rye .....	-	-	17,003	-	17,003	-	17,003
Wheat .....	-	-	1,682,013	-	1,682,013	-	1,682,013
Corn meal .....	-	-	15,614	-	15,614	-	15,614
Malt .....	-	-	10,399	-	10,399	-	10,399
Flour, wheat .....	-	-	34,616	-	34,616	-	34,616
Fruits and fruit preparations .....	-	4,568	-	374	-	4,942	4,942
Beans and peas, dried .....	6	-	11,444	-	11,450	-	11,450
Sugar, raw .....	-	-	-	-	-	-	-
Molasses, crude and refined .....	9,733	-	-	-	9,733	-	9,733
Lard .....	-	-	11,247	2,192	11,247	2,192	13,439
Soyabean oil cake and meal .....	-	-	11,946	33	11,946	33	11,979
Feeds of vegetable origin .....	-	-	7,627	529	7,627	529	8,156
Feeds of animal origin .....	-	-	3,336	-	3,336	-	3,336
Ale, beer, stout and porter .....	-	1,250	-	26	-	1,276	1,276
Wines .....	-	1,863	-	58	-	1,921	1,921
Distilled alcoholic beverages .....	-	3,710	-	239	-	3,949	3,949
Raw hides and skins .....	-	274	-	9,809	-	10,083	10,083
Flaxseed .....	-	-	32,952	-	32,952	-	32,952
Soyabeans .....	-	-	115,981	-	115,981	-	115,981
Rubber, natural .....	-	7,189	-	-	-	7,189	7,189
Logs and round timber .....	-	-	7,605	28	7,605	28	7,633
Pulpwood .....	34,901	-	6,261	-	41,162	-	41,162
Aluminum ore and concentrates .....	18,387	-	-	-	18,387	-	18,387
Iron ore .....	1,664,823	-	429,896	-	2,094,719	-	2,094,719
Iron and steel scrap .....	67	-	87,722	-	87,789	-	87,789
Non-ferrous metal scrap .....	-	7	-	1,563	-	1,570	1,570
Coal, bituminous .....	21,293	-	802,006	-	823,299	-	823,299
Bituminite .....	-	-	8,706	68	8,706	68	8,774
Sand and gravel .....	4,526	-	11,477	-	16,003	-	16,003

See note at end of table.





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

June 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Stone, crushed and broken .....	124,102	-	-	-	124,102	-	124,102
Salt .....	-	-	23,440	-	23,440	-	23,440
Sulphur .....	11,496	-	-	-	11,496	-	11,496
Wood fabricated materials .....	1,466	6,041	-	1,450	1,466	7,491	8,957
Woodpulp .....	1,758	-	1,913	-	3,671	-	3,671
Newsprint paper .....	-	48,349	-	-	-	48,349	48,349
Cordage, twine and rope .....	-	1,644	-	-	-	1,644	1,644
Animal oils and fats (Ex. marine) ...	-	-	40,994	-	40,994	-	40,994
Soyabean oil .....	-	-	4,354	-	4,354	-	4,354
Sodium products .....	64	307	22,232	2,746	22,296	3,053	25,349
Rubber, synthetic and reclaimed .....	-	23	356	4,651	356	4,674	5,030
Chemical products .....	21,768	1,448	18,727	12,038	40,495	13,486	53,981
Gasoline .....	38,339	-	3,337	-	41,676	-	41,676
Fuel oil .....	74,007	-	78,736	-	152,743	-	152,743
Lubricating oils and greases .....	4,918	-	2,194	758	7,112	758	7,870
Coke .....	-	-	24,516	-	24,516	-	24,516
Tar, pitch and creosote .....	5,001	-	14,293	-	19,294	-	19,294
Ferro-alloys .....	2,286	-	-	-	2,286	-	2,286
Pig iron .....	12,777	-	-	-	12,777	-	12,777
Iron and steel - Ingot, bar and rod ..	-	18,519	-	238	-	18,757	18,757
Steel - Plate, sheet and strip .....	-	14,040	-	10,099	-	24,139	24,139
Structural shapes and sheet piling ..	-	45,741	-	2,862	-	48,603	48,603
Iron and steel - Pipes and fittings ..	-	1,630	-	3,301	-	4,931	4,931
Wire and wire rope .....	-	20,970	-	168	-	21,138	21,138
Aluminum - Bar, ingot, pig and slab ..	-	1,343	-	87	-	1,430	1,430
Glass - Plate, sheet and structural ..	-	3,602	-	61	-	3,663	3,663
Cement .....	8,006	-	5,230	-	13,236	-	13,236
Machinery, equipment and parts .....	-	5,029	-	9,382	-	14,411	14,411
Motor vehicles and parts .....	-	6,677	-	13,922	-	20,599	20,599
Domestic package freight .....	30,928	-	27,698	-	58,626	-	58,626
Total freight carried .....	2,144,186	213,149	4,141,707	155,582	6,285,893	368,731	6,654,624

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

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

June 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 .....	-	-	-	229,384	-	229,384
Corn .....	-	-	-	95,602	-	95,602
Oats .....	-	-	-	47,629	-	47,629
Rye .....	-	-	-	19,549	-	19,549
Wheat .....	-	-	-	1,736,618	-	1,736,618
Flour, wheat .....	-	-	-	9,004	-	9,004
Cereals, milled, n.e.s. ....	-	-	4,566	47,986	4,566	47,986
Flaxseed .....	-	-	-	28,196	-	28,196
Pulpwood, lumber and logs .....	1,726	1,726	-	27,199	1,726	28,925
Iron ore .....	-	-	-	9,000,094	-	9,000,094
Iron and steel scrap .....	-	-	2,400	20,092	2,400	20,092
Coal, anthracite .....	-	14,006	-	-	-	14,006
Coal, bituminous .....	-	977,202	-	-	-	977,202
Sand, gravel and stone .....	-	313,592	13,636	13,636	13,636	327,228
Non-metallic minerals, mfrs .....	-	9,108	-	-	-	9,108
Paper and woodpulp .....	-	-	20,658	35,221	20,658	35,221
Gasoline .....	4,897	44,654	3,163	11,544	8,060	56,198
Fuel oil .....	5,039	77,273	-	9,369	5,039	86,642
Coke .....	-	-	-	-	-	-
Other petroleum products .....	-	-	-	-	-	-
Pig iron .....	-	-	1,678	24,121	1,678	24,121
Iron and steel, manufactured .....	248	33,234	8,571	14,986	8,819	48,220
Cement .....	-	29,694	-	-	-	29,694
Motor vehicles .....	-	105	-	4	-	109
Miscellaneous freight .....	-	74,076	-	69,620	-	143,696
Domestic package freight .....	5,317	5,317	5,785	5,785	11,102	11,102
Total freight carried .....	20,430	1,583,190	60,457	11,445,639	80,887	13,028,829

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