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SUMMARY OF CANAL STATISTICS

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The total volume of freight transported through Canadian canals in August 1964 increased 34 per cent, to 12,580,513 tons from 9,387,936 tons in the corresponding month last year. Compared with August 1963, freight traffic on the St. Lawrence canals and the Welland Canal increased by over 1,521,000 tons and 1,656,000 tons respectively. Heavier shipments of wheat, by 1,056,396 tons, or 84.2 per cent, and iron ore, by 814,632 tons, or 24.9 per cent accounted for most of this increase. Vessel passages through Canadian canals increased to 3,469 from 3,228 and the registered net tonnage of these vessels rose 20.9 per cent to 9,408,252 tons from 7,783,402 tons in August 1963.

St. Lawrence Canals: The tonnage of freight transported increased 41.5 per cent to 5,186,935 tons from 3,665,398 tons moved in August 1963. Wheat shipments almost doubled, to 1,118,217 tons from 595,954 tons, and iron ore tonnage rose to 1,607,588 tons from 1,199,133 tons. The movement of upbound traffic increased to 2,459,050 tons from 1,896,648 tons while downbound freight rose to 2,727,885 tons from 1,768,750 tons. During the month a total of 1,119 vessels of 3,534,650 registered net tons passed through the Canals, compared to 960 vessels of 2,882,669 tons in August last year.

Welland Canal: The total volume of freight rose 30.3 per cent, to 7,117,201 tons from 5,461,040 tons in August 1963. Upbound freight amounted to 2,360,400 tons, compared to 1,866,014 tons, while downbound freight increased to 4,756,801 tons from 3,595,026 tons. The number of vessel passages increased to 1,151 from 1,016, while the registered net tonnage of these vessels rose to 5,267,839 tons from 4,361,188 tons in August 1963.

Sault Ste. Marie Canals - Canadian Lock and United States Locks: Total freight moved through the combined system recorded a 4.7 per cent increase, to 13,419,426 tons from 12,810,908 tons carried in August 1963. Freight transported through the Canadian lock, rose to 122,839 tons from 93,418 tons. Total upbound traffic through the combined system decreased to 1,718,909 tons from 1,791,589 tons, but downbound freight increased to 11,700,517 tons from 11,019,319 tons. Iron ore shipments through the system rose slightly to 9,395,039 tons from 9,336,202 tons while wheat shipments increased to 1,405,989 tons from 982,614 tons. Vessel passages through the system totalled 2,819, compared to 2,717 in the same month last year.

Transportation Section
Public Finance and Transportation Division

October 1964
8504-517

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

Canal	August 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	54	982	92	112	237	456
Canso Canal	195	174,026	145,805	157,591	607,287	616,040
Richelieu River Canals	62	10,827	4,362	9,545	53,943	28,743
St. Lawrence Canals	1,119	3,534,650	5,186,935	3,665,398	24,217,473	17,695,072
Ottawa River Canals	96	5,884	2,787	274	9,891	1,414
Rideau Canal	12	465	-	-	-	-
Murray Canal	13	390	-	-	-	-
Trent Canal	58	205	19	13	47	39
Welland Canal	1,151	5,267,839	7,117,201	5,461,040	31,035,367	23,573,657
Sault Ste. Marie Canal - Can. lock ..	636	410,680	122,839	93,418	434,678	473,588
St. Andrew's Canal	73	2,304	473	545	1,814	1,788
Totals	3,469	9,408,252	12,580,513	9,387,936	56,360,737	42,390,797
Sault Ste. Marie Canal - U.S. locks	2,183	..	13,296,587	12,717,490	58,240,517	49,902,804

.. Figures not available.

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	333	-	8,647	-	8,980	8,980
Fish and marine animals	-	753	-	2	-	755	755
Butter	-	37	-	1,063	-	1,100	1,100
Milk powder	-	87	-	41,132	-	41,219	41,219
Barley	-	-	93,230	-	93,230	-	93,230
Corn	-	-	553,605	-	553,605	-	553,605
Oats	-	-	58,481	-	58,481	-	58,481
Rye	-	-	4,117	-	4,117	-	4,117
Wheat	750	-	1,117,467	-	1,118,217	-	1,118,217
Corn meal	-	-	13,443	-	13,443	-	13,443
Malt	-	-	6,603	-	6,603	-	6,603
Flour, wheat	30	-	57,924	-	57,954	-	57,954
Fruits and fruit preparations	-	7,816	-	2,346	-	10,162	10,162
Beans and peas, dried	15	-	19,850	-	19,865	-	19,865
Sugar, raw	10,783	-	-	-	10,783	-	10,783
Molasses, crude and refined	4,480	-	-	-	4,480	-	4,480
Lard	-	-	17,365	981	17,365	981	18,346
Soybean oil cake and meal	-	-	39,934	-	39,934	-	39,934
Feeds of vegetable origin	50	-	1,151	-	1,201	-	1,201
Feeds of animal origin	6	-	191	-	197	-	197
Ale, beer, stout and porter	-	1,941	-	157	-	2,098	2,098
Wines	-	4,109	-	-	-	4,109	4,109
Distilled alcoholic beverages	-	4,907	-	12	-	4,919	4,919
Raw hides and skins	-	588	-	11,448	-	12,036	12,036
Flaxseed	-	-	39,949	-	39,949	-	39,949
Soybeans	-	-	145,854	-	145,854	-	145,854
Rubber, natural	-	12,356	-	-	-	12,356	12,356
Logs and round timber	2,763	-	618	-	3,381	-	3,381
Pulpwood	65,385	-	-	-	65,385	-	65,385
Aluminum ore and concentrates	20,542	-	-	-	20,542	-	20,542
Iron ore	1,607,588	-	-	-	1,607,588	-	1,607,588
Iron and steel scrap	150	-	63,811	-	63,961	-	63,961
Non-ferrous metal scrap	-	13	-	2,753	-	2,766	2,766
Coal, bituminous	90,388	-	38,889	-	129,277	-	129,277
Petroleum, crude	14,500	-	-	-	14,500	-	14,500
Bentonite	-	-	8,628	-	8,628	-	8,628
Stone, crushed and broken	-	-	-	-	-	-	-
Gypsum	6,685	-	-	-	6,685	-	6,685
Phosphate rock	11,391	-	3,450	-	14,841	-	14,841
Salt	-	-	6,000	-	6,000	-	6,000
Sulphur	6,855	-	-	-	6,855	-	6,855
Wood fabricated materials	2,118	5,862	-	1,796	2,118	7,658	9,776
Woodpulp	3,553	-	1,034	-	4,587	-	4,587
Newsprint paper	-	39,750	-	3,914	-	43,664	43,664
Cordage, twine and rope	-	786	-	-	-	786	786

See note at end of table.

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Animal oils and fats (ex. marine) ...	6	-	20,512	-	20,518	-	20,518
Soyabean oil	-	-	2,701	-	2,701	-	2,701
Fertilizers	-	11	-	84	-	95	95
Rubber, synthetic and reclaimed	-	404	454	8,741	454	9,145	9,599
Chemical products	27,066	5,066	16,645	25,265	43,711	30,331	74,042
Gasoline	6,173	-	-	-	6,173	-	6,173
Fuel oil	202,462	-	20,302	-	222,764	-	222,764
Lubricating oils and greases	-	1	-	1,135	-	1,136	1,136
Coke	57	-	45,525	-	45,582	-	45,582
Tar, pitch and creosote	-	-	4,261	-	4,261	-	4,261
Ferro-alloys	1,227	-	-	-	1,227	-	1,227
Pig iron	32,825	-	-	-	32,825	-	32,825
Iron and steel - Ingot, bar and rod	-	20,753	-	5,741	-	26,494	26,494
Steel - Plate, sheet and strip	-	8,406	475	19,436	475	27,842	28,317
Structural shapes and sheet piling ..	2,253	66,996	-	101	2,253	67,097	69,350
Iron and steel - Pipes and fittings ..	-	3,603	-	571	-	4,174	4,174
Wire and wire rope	-	11,965	-	53	-	12,018	12,018
Aluminum - Bar, ingot, pig and slab ..	-	1,488	-	613	-	2,101	2,101
Glass - Plate, sheet and structural ..	-	7,337	-	505	-	7,842	7,842
Machinery, equipment and parts	-	7,968	-	9,340	-	17,308	17,308
Motor vehicles and parts	-	5,512	-	11,408	-	16,920	16,920
Domestic package freight	36,603	-	59,041	-	95,644	-	95,644
Total freight carried	2,202,980	256,070	2,538,248	189,637	4,741,228	445,707	5,186,935(2)

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

(2) Includes 15,275 tons of non-toll traffic using only the Lachine canal.

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	323	-	8,053	-	8,376	8,376
Fish and marine animals	-	465	-	-	-	465	465
Butter	-	-	-	1,063	-	1,063	1,063
Milk powder	-	11	-	40,493	-	40,504	40,504
Barley	-	-	108,852	-	108,852	-	108,852
Corn	-	-	567,500	-	567,500	-	567,500
Oats	-	-	73,423	-	73,423	-	73,423
Rye	-	-	4,117	-	4,117	-	4,117
Wheat	7,743	-	1,185,123	-	1,192,866	-	1,192,866
Corn meal	-	-	13,443	-	13,443	-	13,443
Malt	-	-	6,433	-	6,433	-	6,433
Flour, wheat	1,016	-	57,720	-	58,736	-	58,736
Fruits and fruit preparations	-	6,103	-	2,173	-	8,276	8,276
Beans and peas, dried	15	-	23,450	-	23,465	-	23,465
Sugar, raw	4,688	-	2,524	-	7,212	-	7,212
Molasses, crude and refined	2,352	-	-	-	2,352	-	2,352
Lard	-	-	17,365	981	17,365	981	18,346
Soyabean oil cake and meal	-	-	14,056	-	14,056	-	14,056
Feeds of vegetable origin	50	-	1,151	-	1,201	-	1,201
Feeds of animal origin	6	-	22	-	28	-	28
Ale, beer, stout and porter	-	1,730	-	157	-	1,887	1,887
Wines	-	3,088	-	-	-	3,088	3,088
Distilled alcoholic beverages	-	4,240	-	12	-	4,252	4,252
Raw hides and skins	-	511	-	9,292	-	9,803	9,803
Flaxseed	-	-	41,453	-	41,453	-	41,453
Soyabeans	-	-	175,443	-	175,443	-	175,443
Rubber, natural	-	10,696	-	-	-	10,696	10,696
Logs and round timber	25	-	425	-	450	-	450
Pulpwood	47,826	-	18,727	-	66,553	-	66,553
Aluminum ore and concentrates	20,542	-	-	-	20,542	-	20,542
Iron ore	1,667,300	-	811,336	-	2,478,636	-	2,478,636
Iron and steel scrap	-	-	58,316	-	58,316	-	58,316
Non-ferrous metal scrap	-	13	-	1,764	-	1,777	1,777
Coal, bituminous	-	-	1,035,776	-	1,035,776	-	1,035,776
Bentonite	-	-	8,628	-	8,628	-	8,628
Sand and gravel	1,109	-	19,691	-	20,800	-	20,800

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, August 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Stone, crushed and broken	76,110	-	5,630	-	81,740	-	81,740
Salt	-	-	26,346	-	26,346	-	26,346
Sulphur	6,835	-	-	-	6,835	-	6,835
Wood fabricated materials	-	4,598	-	774	-	5,372	5,372
Woodpulp	3,553	-	1,034	-	4,587	-	4,587
Newsprint paper	-	56,967	-	3,525	-	60,492	60,492
Cordage, twine and rope	-	307	-	-	-	307	307
Animal oils and fats (Ex. marine) ...	6	-	19,309	-	19,315	-	19,315
Soybean oil	-	-	936	-	936	-	936
Sodium products	-	206	12,637	6,535	12,637	6,741	19,378
Rubber, synthetic and reclaimed	-	296	319	9,030	319	9,326	9,645
Chemical products	29,761	2,330	24,090	15,264	53,851	17,594	71,445
Gasoline	13,940	-	5,401	-	19,341	-	19,341
Fuel oil	102,872	-	74,843	-	177,715	-	177,715
Lubricating oils and greases	7,403	1	-	1,135	7,403	1,136	8,539
Coke	57	-	53,389	-	53,446	-	53,446
Tar, pitch and creosote	2,625	-	5,007	-	7,632	-	7,632
Ferro-alloys	1,126	-	-	-	1,126	-	1,126
Pig iron	29,431	-	-	-	29,431	-	29,431
Iron and steel - Ingot, bar and rod ..	-	19,065	-	5,572	-	24,637	24,637
Steel - Plate, sheet and strip	-	7,738	-	7,312	-	15,050	15,050
Structural shapes and sheet piling ..	-	57,655	-	88	-	57,743	57,743
Iron and steel - Pipes and fittings ..	-	2,275	-	565	-	2,840	2,840
Wire and wire rope	-	10,309	-	41	-	10,350	10,350
Aluminum - Bar, ingot, pig and slab ..	-	1,456	-	56	-	1,512	1,512
Glass - Plate, sheet and structural ..	-	5,356	-	505	-	5,861	5,861
Cement	2,507	-	16,226	-	18,733	-	18,733
Machinery, equipment and parts	-	5,509	-	8,845	-	14,354	14,354
Motor vehicles and parts	-	4,152	-	10,626	-	14,778	14,778
Domestic package freight	25,663	-	41,103	-	66,766	-	66,766
Total freight carried	2,131,822	228,578	4,600,266	156,535	6,732,088	385,113	7,117,201

(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, August 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	-	-	-	174,363	-	174,363
Corn	-	15,889	2,680	219,895	2,680	235,784
Oats	-	-	-	84,022	-	84,022
Rye	-	-	2,320	8,364	2,320	8,364
Wheat	-	-	2,408	1,405,939	2,408	1,405,939
Flour, wheat	-	-	-	17,321	-	17,321
Cereals, milled, n.e.s.	-	3,826	7,790	78,093	7,790	81,919
Flaxseed	-	-	-	54,240	-	54,240
Pulpwood, lumber and logs	1,880	1,880	-	32,684	1,880	34,564
Iron ore	-	-	-	9,395,039	-	9,395,039
Iron and steel scrap	-	-	-	33,255	-	33,255
Coal, anthracite	-	11,848	-	-	-	11,848
Coal, bituminous	-	1,159,725	-	-	-	1,159,725
Sand, gravel and stone	-	226,798	15,594	15,594	15,594	242,392
Non-metallic minerals, mfrs	3,112	29,459	-	-	3,112	29,459
Paper and woodpulp	15	15	24,191	32,833	24,206	32,848
Gasoline	15,834	36,645	4,730	16,585	20,564	53,230
Fuel oil	17,060	106,309	-	6,388	17,060	112,697
Coke	-	-	-	-	-	-
Other petroleum products	-	-	3,530	3,530	3,530	3,530
Pig iron	-	-	-	14,644	-	14,644
Iron and steel, manufactured	5	30,113	6,097	25,612	6,102	55,725
Cement	-	33,397	-	-	-	33,397
Motor vehicles	-	8	-	145	-	153
Miscellaneous freight	477	55,357	522	75,017	999	130,374
Domestic package freight	7,640	7,640	6,954	6,954	14,594	14,594
Total freight carried	46,023	1,718,909	76,816	11,700,517	122,839	13,419,426

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