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SUMMARY OF CANAL STATISTICS

AUGUST 1965

An analysis of August Canal data revealed several important changes and developments:

The total tonnage of freight transported through all Canadian canals during August increased 3.5 per cent, to 13,018,657 tons from 12,580,513 tons recorded last year.

Total traffic through the St. Lawrence Canals increased for the second consecutive month, rising 10.0 per cent, to 5,704,171 tons from 5,186,935 tons in August 1964. Iron ore tonnages moving up the St. Lawrence Canals expanded by 233,375 tons, to a total of 1,840,963 tons. Shipments of iron and steel products in general, and structural shapes and sheet piling in particular, continued to move at an accelerated rate. During August 1964, 345,220 tons of iron and steel products were transported compared to 128,335 tons during the same month last year. Increased shipments of salt from Goderich and Windsor, up 94,427 tons, also contributed to the reported increase.

During August, the Welland Canal reported the first monthly decline since April of this year. The 6,931,146 tons transported was 186,055 tons less than the 7,117,201 tons moved during August 1964. Iron and Steel products and shipments of salt, as on the St. Lawrence Canals, moved in greater volume than in August 1964. The respective increases, 208,357 tons and 120,240 tons, however, were offset by decreases in several other commodities. Bituminous coal was down this month by 198,325 tons, to 837,451 tons; iron ore, by 147,272 tons, and wheat, by 129,072 tons.

Transportation Section
Public Finance and Transportation Division

October 1965
8504-517

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

Canal	August 1965			1964	Cumulative	Cumulative
	Number of vessel passages	Registered net tonnage of vessels	Tonnage of freight	Tonnage of freight	Tonnage of freight 1965	Tonnage of freight 1964
St. Peter's Canal	52	893	64	92	97	237
Canso Canal	231	132,961	157,876	145,805	544,024	607,287
Richelieu River Canals	98	18,177	13,651	4,362	51,279	53,943
St. Lawrence Canals	1,095	3,790,705	5,704,171	5,186,935	24,926,922	24,217,473
Ottawa River Canals	8	506	-	2,787	520	9,891
Rideau Canal	7	227	-	-	-	-
Murray Canal	9	348	-	-	-	-
Trent Canal	71	303	1	19	13	47
Welland Canal	1,086	4,967,875	6,931,146	7,117,201	31,236,419	31,035,367
Sault Ste. Marie Canal - Can. lock ...	793	559,312	211,305	122,839	713,900	434,678
St. Andrew's Canal	91	2,834	443	473	995	1,814
Totals	3,541	9,474,141	13,018,657	12,580,513	57,474,169	56,360,737
Sault Ste. Marie Canal - U.S. locks ..	2,273	..	14,447,165	13,296,587	52,563,570	58,240,517

.. Figures not available.

TABLE 2. Tonnage of Freight Transported through the St. Lawrence Canals, by Commodity, by Direction, and by Type of Cargo, August 1965

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
Meat, fresh, chilled or frozen	-	568	-	7,218	-	7,786	7,786
Butter	-	-	-	324	-	324	324
Milk powder	-	8	-	48,186	-	48,194	48,194
Barley	-	-	143,295	-	143,295	-	143,295
Corn	-	-	502,249	-	502,249	-	502,249
Oats	-	-	120,853	-	120,853	-	120,853
Rye	-	-	2,322	-	2,322	-	2,322
Wheat	-	-	1,114,473	-	1,114,473	-	1,114,473
Corn meal and flour	-	-	16,770	16	16,770	16	16,786
Malt and malt flour	-	-	6,154	-	6,154	-	6,154
Wheat flour	-	-	46,949	224	46,949	224	47,173
Cereals milled, n.e.s.	-	90	362	314	362	404	766
Dried and dehydrated fruits	-	-	-	-	-	-	-
Fruits and preparations, canned (except infant foods)	-	2,746	-	477	-	3,223	3,223
Vegetables, dried	23	235	43,785	395	43,808	630	44,438
Raw sugar	16,944	-	-	-	16,944	-	16,944
Molasses, crude	-	-	-	-	-	-	-
Sugar preparations (including confectionery)	-	772	-	519	-	1,291	1,291
Lard	-	-	6,806	521	6,806	521	7,327
Miscellaneous foods, food materials and food preparations, n.e.s.	-	609	-	836	-	1,445	1,445
Hulls, screenings, chaff and scourings	-	-	19,943	-	19,943	-	19,943
Ground cereals and by-products, n.e.s.	-	-	3,452	-	3,452	-	3,452
Soyabean oil meal and cake	-	-	23,654	952	23,654	952	24,606
Oil seed meals and cake, n.e.s.	-	-	4,913	-	4,913	-	4,913
Feeds of vegetable origin, n.e.s.	-	-	14,260	13	14,260	13	14,273
Ale, beer, stout and porter	-	1,670	-	1	-	1,671	1,671
Wines	-	3,642	-	18	-	3,660	3,660
Distilled alcoholic beverages	-	5,634	-	91	-	5,725	5,725
Raw hides and skins and undressed fur skins	-	620	-	10,332	-	10,952	10,952
Flaxseed	-	-	50,615	-	50,615	-	50,615
Soya beans	-	-	97,338	-	97,338	-	97,338
Rubber and allied gums, natural, and natural gums and resins	-	16,560	-	-	-	16,560	16,560
Logs	225	-	1,163	-	1,388	-	1,388
Pulpwood	43,023	-	-	-	43,023	-	43,023
Alumina and bauxite ore	18,684	-	-	-	18,684	-	18,684
Iron ore, crude, and concentrates, calcined, roasted or treated	1,840,963	-	-	-	1,840,963	-	1,840,963
Manganese ore	28,207	-	-	-	28,207	-	28,207
Ores, concentrates and precipitates, n.e.s.	888	-	-	23	888	23	911

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

TABLE 2. Tonnage of Freight Transported through the St. Lawrence Canals, by Commodity, by Direction, and by Type of Cargo, August 1965 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
Iron and steel scrap	-	-	9,898	-	9,898	-	9,898
Non-ferrous and precious metal scrap ..	-	1,224	-	1,637	-	2,861	2,861
Slags, drosses and other by-products ..	-	-	4,643	97	4,643	97	4,740
Coal, bituminous, sub-bituminous, and lignite	102,246	-	43,915	-	146,161	-	146,161
Crude petroleum, petroleum tops and natural gasoline	14,034	-	-	-	14,034	-	14,034
Bentonite	1,341	-	14,470	-	15,811	-	15,811
China clay	1,506	-	35	-	1,541	-	1,541
Clay and other crude refractory materials, n.e.s.	-	264	502	119	502	383	885
Fluorspar	-	-	-	-	-	-	-
Gypsum	15,432	-	-	-	15,432	-	15,432
Phosphate rock	-	-	-	-	-	-	-
Salt	-	-	100,427	-	100,427	-	100,427
Sulphur in ores, crude and refined (except pharmaceutical grade)	-	26	-	-	-	26	26
Crude non-metallic minerals (except coal and petroleum), n.e.s.	9,971	41	1,133	22	11,104	63	11,167
Veneer, plywood and wood building boards	-	3,356	-	154	-	3,510	3,510
Pulp	5,405	39	645	652	6,050	691	6,741
Newsprint paper	-	34,281	-	-	-	34,281	34,281
Cordage, twine and rops (except braided cords and threads)	-	454	-	-	-	454	454
Animal oils and fats (except marine) ..	-	4	28,417	-	28,417	4	28,421
Soyabean oil	-	51	-	1,582	-	1,633	1,633
Vegetable oils and fats, (except essential oils), n.e.s.	-	86	3,297	203	3,297	289	3,586
Metallic salts and peroxysalts, of inorganic acids	30	540	-	101	30	641	671
Inorganic chemicals, n.e.s.	538	856	-	3,701	538	4,557	5,095
Organic chemicals, n.e.s.	2,135	893	82	674	2,217	1,567	3,784
Fertilizers and fertilizer materials, n.e.s.	-	11	-	-	-	11	11
Synthetic rubber (including rubber compounds and reclaimed rubber)	-	150	1,313	4,428	1,313	4,578	5,891
Chemical specialties, industrial, n.e.s.	2,682	2,243	3,792	7,435	6,474	9,678	16,152
Gasoline	27,338	-	13,244	-	40,582	-	40,582
Fuel oil	225,888	-	13,540	-	239,428	-	239,428
Lubricating oils and greases	30,189	34	1,787	1,279	31,976	1,313	33,289
Coke of petroleum and coal	160	-	15,967	-	16,127	-	16,127
Coal tar and coal pitch	-	12	-	-	-	12	12
Petroleum and coal products, n.e.s.	-	65	-	297	-	362	362
Ferro-alloys	15,481	15	-	-	15,481	15	15,496
Pig iron	42,364	-	-	-	42,364	-	42,364
Bars and rods, steel	-	86,856	-	973	-	87,829	87,829
Plate, sheet and strip, steel	-	158,095	-	5,051	-	163,146	163,146
Structural shapes and sheet piling	-	88,984	923	129	923	89,113	90,036
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	-	4,151	-	358	-	4,509	4,509
Wire (including wire rope)	-	11,732	-	33	-	11,765	11,765
Aluminum (including alloys)	-	4,417	57	141	57	4,558	4,615
Metal fabricated basic products	-	13,065	-	1,506	-	14,571	14,571
Glass basic products	-	7,720	-	101	-	7,821	7,821
Cement	-	-	2,393	-	2,393	-	2,393
Non-metallic mineral basic products, n.e.s.	-	3,892	-	1,322	-	5,214	5,214
Machinery, n.e.s.	-	5,776	97	6,890	97	12,666	12,763
Passenger automobiles and chassis	-	4,719	-	1,224	-	5,943	5,943
Trucks, truck chassis and truck tractors, commercial	-	179	-	456	-	635	635
Motor vehicles engines, accessories, parts and assemblies	-	1,413	-	2,218	-	3,631	3,631
Miscellaneous end products, inedible, n.e.s.	1,398	8,563	-	6,495	1,398	15,058	16,546
Domestic package freight	26,724	-	55,285	-	82,009	-	82,009
Other	22,392	47,790	8,554	19,299	30,946	67,089	98,035
Total freight carried	2,496,211	525,151	2,543,772	139,037	5,039,983	664,188	5,704,171

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

TABLE 3. Tonnage of Freight Transported through the Welland Canal, by Commodity, by Direction, and by Type of Cargo, August 1965

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Meat, fresh, chilled or frozen	-	310	-	6,559	-	6,869	6,869
Butter	-	-	-	324	-	324	324
Milk powder	-	-	-	43,671	-	43,671	43,671
Barley	-	-	165,277	-	165,277	-	165,277
Corn	-	-	527,646	-	527,646	-	527,646
Oats	-	-	142,537	-	142,537	-	142,537
Rye	-	-	4,867	-	4,867	-	4,867
Wheat	-	-	1,063,794	-	1,063,794	-	1,063,794
Corn meal and flour	-	-	15,885	16	15,885	16	15,901
Malt and malt flour	-	-	6,154	-	6,154	-	6,154
Wheat flour	-	-	46,949	224	46,949	224	47,173
Cereals milled, n.e.s.	-	-	362	314	362	314	676
Dried and dehydrated fruits	-	-	-	-	-	-	-
Fruits and preparations, canned (except infant foods)	-	858	-	319	-	1,177	1,177
Vegetables, dried	-	4	43,338	395	43,338	399	43,737
Raw sugar	6,601	-	2,507	-	9,108	-	9,108
Molasses, crude	5,040	-	-	-	5,040	-	5,040
Syrup	-	-	-	-	-	-	-
Lard	-	-	6,806	521	6,806	521	7,327
Hulls, screenings, chaff and scourings	-	-	19,943	-	19,943	-	19,943
Ground cereals and by-products, n.e.s.	-	-	2,122	-	2,122	-	2,122
Soyabean oil meal and cake	-	-	5,358	-	5,358	-	5,358
Oil seed meals and cake, n.e.s.	-	-	4,448	-	4,448	-	4,448
Feeds of vegetable origin, n.e.s.	-	-	14,260	13	14,260	13	14,273
Ale, beer, stout and porter	-	1,426	-	1	-	1,427	1,427
Wines	-	2,514	-	18	-	2,532	2,532
Distilled alcoholic beverages	-	4,127	-	91	-	4,218	4,218
Raw hides and skins and undressed fur skins	-	513	-	7,451	-	7,964	7,964
Flaxseed	-	-	53,286	-	53,286	-	53,286
Soya beans	-	-	126,257	-	126,257	-	126,257
Rubber and allied gums, natural, and natural gums and resins	-	13,989	-	-	-	13,989	13,989
Logs	-	-	1,163	-	1,163	-	1,163
Pulpwood	23,331	-	2,135	-	25,466	-	25,466
Alumina and bauxite ore	18,684	-	-	-	18,684	-	18,684
Iron ore, crude, and concentrates, calcined, roasted or treated	1,677,196	-	654,168	-	2,331,364	-	2,331,364
Manganese ore	22,666	-	-	-	22,666	-	22,666
Ores, concentrates and precipitates, n.e.s.	888	-	-	-	888	-	888
Iron and steel scrap	-	1,224	13,949	-	13,949	1,224	15,173
Coal, bituminous, sub-bituminous, and lignite	-	-	837,451	-	837,451	-	837,451
Bentonite	-	-	14,470	-	14,470	-	14,470
Dolomite	-	-	-	-	-	-	-
Clay and other crude refractory materials, n.e.s.	-	-	502	57	502	57	559
Sand and gravel	19,578	-	12,343	-	31,921	-	31,921
Limestone	21,249	-	-	-	21,249	-	21,249
Crushed stone, including stone refuse (except limestone flux and crushed limestone)	87,474	-	-	-	87,474	-	87,474
Fluorspar	-	-	-	-	-	-	-
Gypsum	-	-	-	-	-	-	-
Salt	-	-	146,586	-	146,586	-	146,586
Sulphur in ores, crude and refined (except pharmaceutical grade)	-	-	-	-	-	-	-
Crude non-metallic minerals (except coal and petroleum), n.e.s.	9,896	36	1,011	20	10,907	56	10,963
Veneer, plywood and wood building boards	-	2,411	-	99	-	2,510	2,510
Pulp	5,405	-	645	652	6,050	652	6,702
Newsprint paper	-	40,499	-	-	-	40,499	40,499
Cordage, twine and rope (except braided cords and threads)	-	182	-	-	-	182	182
Animal oils and fats (except marine) ..	-	-	28,417	-	28,417	-	28,417
Vegetable oils and fats, except essential oils, n.e.s.	-	15	-	1,495	-	1,510	1,510
Metallic salts and peroxysalts, of inorganic acids	-	247	-	101	-	348	348
Inorganic chemicals, n.e.s.	194	510	22,586	3,529	22,780	4,039	26,819
Organic chemicals, n.e.s.	2,094	465	-	523	2,094	988	3,082

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

TABLE 3. Tonnage of Freight Transported through the Welland Canal, by Commodity, by Direction, and by Type of Cargo, August 1965 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
tons							
Synthetic rubber (including rubber compounds and reclaimed rubber)	-	15	1,313	4,193	1,313	4,208	5,521
Chemical specialties, industrial, n.e.s.	5,174	727	3,792	7,163	8,966	7,890	16,856
Gasoline	35,594	-	15,442	-	51,036	-	51,036
Fuel oil	118,258	-	71,529	-	189,787	-	189,787
Lubricating oils and greases	35,101	-	2,740	1,279	37,841	1,279	39,120
Coke of petroleum and coal	160	-	15,967	-	16,127	-	16,127
Coal tar and coal pitch	-	-	12,333	-	12,333	-	12,333
Petroleum and coal products, n.e.s.	-	58	-	297	-	355	355
Ferro-alloys	9,318	-	-	-	9,318	-	9,318
Pig iron	35,034	-	-	-	35,034	-	35,034
Bars and rods, steel	-	79,915	-	64	-	79,979	79,979
Plate, sheet and strip, steel	-	155,303	-	3,572	-	158,875	158,875
Structural shapes and sheet piling	-	66,525	-	109	-	66,634	66,634
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	-	2,828	-	311	-	3,139	3,139
Wire (including wire rope)	-	10,129	-	3	-	10,132	10,132
Aluminum (including alloys)	-	4,215	-	138	-	4,353	4,353
Metal fabricated basic products	-	10,859	-	1,105	-	11,964	11,964
Glass basic products	-	5,091	-	96	-	5,187	5,187
Cement	2,201	-	16,587	-	18,788	-	18,788
Non-metallic mineral basic products, n.e.s.	-	2,410	-	275	-	2,685	2,685
Machinery, n.e.s.	-	3,197	-	6,308	-	9,505	9,505
Passenger automobiles and chassis	-	3,167	-	1,153	-	4,320	4,320
Trucks, truck chassis and truck tractors, commercial	-	168	-	456	-	624	624
Motor vehicle engines, accessories, parts and assemblies	-	966	-	1,957	-	2,923	2,923
Miscellaneous end products, inedible, n.e.s.	406	4,016	-	6,220	406	10,236	10,642
Domestic package freight	38,111	-	25,831	-	63,942	-	63,942
Other freight	1,925	37,297	23,778	15,726	25,703	53,023	78,726
Total freight carried	2,181,578	456,216	4,176,534	116,818	6,358,112	573,034	6,931,146

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

TABLE 4. Tonnage of Freight Transported through the Sault Ste. Marie Canals, by Commodity and by Direction, August 1965

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						
Paper and woodpulp	-	-	22,197	29,295	22,197	29,295
Pulpwood, lumber and logs	1,050	1,050	6,073	15,682	7,123	16,732
Wheat	-	-	11,418	1,352,109	11,418	1,352,109
Barley	-	-	8,067	205,114	8,067	205,114
Oats	-	-	5,387	153,483	5,387	153,483
Corn	-	-	-	135,775	-	135,775
Rye	-	-	1,858	12,831	1,858	12,831
Flaxseed	-	6,944	-	30,855	-	37,799
Soya beans	-	-	-	90,173	-	90,173
Flour	-	-	-	5,060	-	5,060
Mill products, screenings	-	-	12,290	37,047	12,290	37,047
Iron ore	-	41,259	-	10,417,490	-	10,458,749
Manufactured iron and steel	2,114	17,337	13,416	34,231	15,530	51,568
Pig iron	-	-	-	-	-	-
Scrap iron	-	-	-	-	-	-
Stone, broken, sand and gravel	-	282,218	10,514	10,514	10,514	292,732
Cement	2,201	54,213	-	-	2,201	54,213
Coal, bituminous	3,472	1,396,051	-	-	3,472	1,396,051
Coal, anthracite	-	12,172	-	-	-	12,172
Coke	-	-	-	-	-	-
Non-metallic minerals, mfrs.	-	21	-	-	-	21
Gasoline	5,624	29,261	4,518	7,113	10,142	36,374
Fuel oil	31,774	89,885	-	8,865	31,774	98,750
Other petroleum products	-	-	1,872	1,872	1,872	1,872
Motor vehicles	-	-	-	-	-	-
Miscellaneous merchandise	3,712	32,874	5,267	89,195	8,979	122,069
Domestic package freight	40,033	40,033	18,448	18,448	58,481	58,481
Total freight carried	89,980	2,003,318	121,325	12,655,152	211,305	14,658,470

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