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SUMMARY OF CANAL STATISTICS

JULY 1966

An analysis of July canal data revealed several important changes and developments:

The total tonnage of freight transported through all Canadian canals during July increased 6.5 per cent to 13,644,300 tons from 12,806,183 tons recorded last year.

During July, total traffic through the St. Lawrence Canals amounted to 6,236,841 tons of cargo, up 13.2 per cent or 728,550 tons from July 1965; vessel passages numbered 991 compared to 1,106 last year. The Welland Canal reported 7,122,460 tons of cargo, up 3.8 per cent or 258,118 tons over last year; vessel passages totalled 1,085 this month and 1,044 in July 1965.

Greater sales to wheat-deficient countries of the world are reflected in downbound shipments through the Welland and St. Lawrence Canals. Movements, totalling 1,595,917 tons and 1,618,467 tons respectively through the two networks, have more than doubled the volume transported during July 1965 when corresponding totals were 738,408 tons and 700,053 tons.

Downbound shipments of flaxseed during the month amounted to 75,165 tons (41,684 tons in July 1965) through the St. Lawrence Canals, and 76,676 tons (45,042 tons) through the Welland Canal.

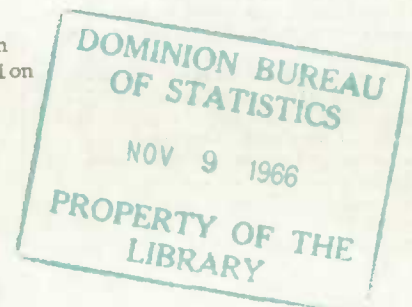
Upbound iron ore shipments contracted to 1,637,980 tons (1,866,341 tons in July 1965) through the St. Lawrence Canals, and to 1,247,460 tons (1,842,589 tons) through the Welland Canal. A contributing factor is found in reduced loadings at Sept Îles, reflecting a machinist strike which halted movements from mining areas via railway to the port for the period from July 6 to July 22.

Shipments of fuel oil through the St. Lawrence Canals this month totalled 378,521 tons, up 55.0 per cent from the 244,177 tons carried last year. The Welland Canal reported 227,135 tons of this commodity, which represents a gain of 52.1 per cent over the July 1965 volume of 149,329 tons.

Pulpwood movements upbound through the Welland and St. Lawrence Canals were appreciably higher than July 1965. The Welland Canal reported 62,208 tons (13,401 tons in July 1965), and the St. Lawrence Canals reported 80,199 tons (32,566 tons).

For the period ending July 31, the cumulative total of cargo transported through all Canadian canals increased 12.2 per cent to 49,897,531 tons from the total of 44,455,512 tons recorded last year at this time.

Governments and Transportation Division
Transportation and Public Utilities Section



November 1966
8504-517

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

Canal	July 1966			Tonnage of freight July 1965	Cumulative tonnage of freight	
	Number of vessel passages	Registered net tonnage of vessels	Tonnage of freight		1966	1965
Canso Canal	142	91,196	104,831	202,521	487,060	386,148
St. Lawrence Canals	991	4,168,897	6,236,841	5,508,291	22,072,952	19,222,751
Welland Canal	1,085	5,415,601	7,122,460	6,864,342	26,734,302	24,305,273
Sault Ste. Marie Canal - Can. lock ...	778	479,920	176,138	219,562	589,983	502,595
All other canals	164	11,217	4,030	11,467	13,234	38,745
Totals	3,160	10,166,831	13,644,300	12,806,183	49,897,531	44,455,512
Sault Ste. Marie Canal - U.S. locks ..	2,258	..	14,584,476	13,940,233	49,780,291	43,766,114

.. Figures not available.

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

Commodity	July 1966			Total July 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
	tons					
Meat, fresh, chilled or frozen	651	5,430	6,081	2,535	23,706	13,200
Milk powder	199	16,017	16,216	33,270	34,389	78,809
Barley	-	97,838	97,838	153,469	736,962	561,691
Corn	-	430,913	430,913	614,985	1,567,960	1,933,663
Oats	-	107,841	107,841	98,046	356,672	264,406
Rye	-	6,177	6,177	2,828	119,192	25,595
Wheat	6,720	1,618,467	1,625,187	700,053	5,240,281	3,354,255
Cereals, unmilled, n.e.s.	-	-	-	507	419	5,573
Corn meal and flour	-	7,836	7,836	8,729	30,960	25,875
Malt and malt flour	-	9,921	9,921	4,124	27,839	29,107
Wheat flour	-	37,006	37,006	32,606	88,102	118,256
Cereals, milled, n.e.s.	-	5,382	5,382	2,765	15,950	4,136
Fruit juices, unfermented, not concentrated, and fruit juice concentrates	703	15	718	1,897	3,683	8,156
Fruits, preserved, not canned, n.e.s.	1,217	17	1,234	926	6,994	7,823
Fruits and preparations, canned (except infant foods)	2,329	75	2,404	2,699	11,169	8,871
Vegetables, dried	1,682	1,369	3,051	28,811	60,537	74,370
Vegetables and vegetable preparations, n.e.s.	988	485	1,473	723	11,926	4,592
Raw sugar	-	-	-	12,355	57,697	51,905
Molasses, crude	21,374	-	21,374	10,778	60,350	39,312
Cocoa and chocolate	1,330	51	1,381	8,822	12,878	12,137
Lard	-	3,330	3,330	7,050	17,687	25,949
Miscellaneous foods, food materials and food preparations, n.e.s.	411	809	1,220	1,469	6,209	4,747
Hay, forage and straw	-	-	-	-	-	-
Hulls, screenings, chaff and scourings	-	14,057	14,057	-	54,170	18,705
Wheat bran, shorts and middlings	-	-	-	1,163	4,362	1,163
Ground cereals and by-products, n.e.s.	-	17,225	17,225	6,915	21,727	9,796
Soyabean oil meal and cake, n.e.s.	-	30,050	30,050	38,685	154,056	138,377
Oil seed meals and cake, n.e.s.	-	11,002	11,002	4,995	36,979	21,995
Brewers' and distillers' grains and solubles	-	268	268	1,141	1,426	4,739
Feeds of vegetable origin, n.e.s.	11	72,528	72,539	14,490	177,601	49,832
Ale, beer, stout and porter	1,395	89	1,484	1,639	5,461	5,714
Wines	3,267	64	3,331	3,276	19,955	13,104
Distilled alcoholic beverages	4,181	44	4,225	6,121	20,646	20,552
Raw hides and skins and undressed fur skins	268	6,935	7,203	10,231	35,887	41,218
Flaxseed	-	75,165	75,165	41,684	236,311	143,765
Rapeseed	-	-	-	1,683	10,595	11,595
Soyabeans	-	141,169	141,169	219,526	533,163	669,728

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

Commodity	July 1966			Total July 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
	tons					
Rubber and allied gums, natural, and natural gums and resins	8,882	-	8,882	10,391	42,842	50,553
Logs	300	783	1,083	2,701	19,227	12,463
Pulpwood	80,199	-	80,199	32,566	132,825	37,193
Alumina and bauxite ore	6,720	-	6,720	8,536	35,443	45,070
Iron ore, crude, and concentrates, calcined, roasted or treated	1,637,980	24,497	1,662,477	1,887,095	6,510,597	6,119,256
Manganese ore	72,678	-	72,678	27,461	170,246	37,875
Ores, concentrates and precipitates, n.e.s.	16,241	-	16,241	3,285	16,253	19,206
Iron and steel scrap	5,121	39,352	44,473	5,711	50,075	25,354
Non-ferrous and precious metal scrap	47	2,095	2,142	1,683	21,152	5,403
Slags, drosses and other by-products	1	203	204	487	11,079	12,343
Coal, bituminous, sub-bituminous, and lignite	107,542	57,830	165,372	124,474	616,650	420,209
Crude petroleum, petroleum tops and natural gasoline	-	9	9	14,119	27,933	62,251
Bentonite	-	10,025	10,025	6,570	29,170	32,632
China clay	4,464	-	4,464	8,823	10,834	18,275
Clay and other crude refractory materials, n.e.s.	95	3,084	3,179	7,624	23,553	13,769
Sand and gravel	-	-	-	12	-	12
Fluorspar	11,993	-	11,993	21,208	61,092	71,782
Gypsum	17,850	6	17,856	21,719	29,659	60,577
Salt	-	89,698	89,698	64,204	157,107	117,995
Crude non-metallic minerals (except coal and petroleum), n.e.s.	936	1,110	2,046	3,437	21,679	6,890
Lumber and timber	990	731	1,721	4,338	8,212	9,508
Veneer, plywood and wood building boards	6,115	59	6,174	3,261	27,585	16,905
Pulp	5,719	729	6,448	3,461	18,174	25,819
Newsprint paper	49,983	-	49,983	43,655	209,530	214,039
Building paper and building board (except wood, plastic and gypsum board)	1,467	4	1,471	994	4,902	7,454
Cordage, twine and rope (except braided cords and threads)	1,622	-	1,622	907	27,349	19,334
Animal oils and fats (except marine)	40	32,975	33,015	18,349	85,506	78,059
Fish and marine animal oils	-	-	-	80	2,389	8,741
Soyabean oil	-	6,013	6,013	1,772	21,437	9,817
Vegetable oils and fats, except essential oils, n.e.s.	9,034	264	9,298	3,510	24,222	19,456
Oils, fats, waxes, extracts and derivatives, animal and vegetable, n.e.s.	391	64	455	634	7,763	5,350
Metallic salts and peroxysalts, of inorganic acids	76	-	76	1,274	15,149	9,012
Inorganic chemicals, n.e.s.	1,774	10,055	11,829	16,654	36,309	26,107
Glycol	-	-	-	24	5,358	4,633
Organic chemicals, n.e.s.	5,553	6,306	11,859	1,873	34,695	25,331
Fertilizers and fertilizer materials, n.e.s.	11,353	13	11,366	237	11,672	567
Synthetic rubber (including rubber compounds and reclaimed rubber)	289	6,495	6,784	7,252	31,101	19,057
Plastic materials, not shaped, and plastics basic shapes and forms	401	3,106	3,507	1,185	22,902	6,998
Chemical specialties, industrial, n.e.s.	1,096	4,834	5,930	20,789	14,419	63,485
Gasoline	15,274	-	15,274	31,137	70,380	33,751
Fuel oil	350,011	28,510	378,521	244,177	1,065,105	902,786
Lubricating oils and greases	45,303	3,874	49,177	19,777	139,602	78,271
Coke of petroleum and coal	-	16,644	16,644	63,220	84,434	137,778
Coal tar and coal pitch	48	22	70	-	5,450	10,392
Petroleum and coal products, n.e.s. ..	14	10,172	10,186	10,379	35,607	45,277
Ferro-alloys	8,002	59	8,061	108	24,258	44,496
Pig iron	30,681	-	30,681	36,344	103,051	130,661
Primary iron and steel, n.e.s.	1,083	94	1,177	4,936	40,493	7,001
Bars and rods, steel	47,097	54	47,151	81,030	137,142	398,857
Plate, sheet and strip, steel	220,467	4,845	225,312	249,270	756,477	678,738
Structural shapes and sheet piling	56,826	159	56,985	75,970	250,349	398,699

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

Commodity	July 1966			Total July 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
tons						
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	5,165	410	5,575	5,837	22,738	20,266
Wire (including wire rope)	15,785	68	15,853	14,069	56,879	49,311
Aluminum (including alloys)	3,774	162	3,936	3,753	18,343	15,763
Non-ferrous metals, n.e.s.	1,764	86	1,850	2,639	7,155	26,573
Metal fabricated basic products	12,087	669	12,756	17,254	72,743	73,048
Glass basic products	8,542	246	8,788	7,634	32,630	28,418
Cement	10,246	7,957	18,203	2,763	28,861	7,528
Non-metallic mineral basic products, n.e.s.	5,170	569	5,739	7,177	20,388	20,232
Miscellaneous fabricated materials ...	1,307	13	1,320	765	2,625	2,827
Tractors	6,406	1,643	8,049	6,102	29,467	16,171
Machinery, n.e.s.	8,442	8,466	16,908	14,047	54,889	52,954
Passenger automobiles and chassis ...	8,153	6,753	14,906	16,336	54,430	46,664
Motor vehicle engines, accessories, parts and assemblies	2,033	3,696	5,729	5,546	19,492	15,018
Equipment	2,363	1,439	3,802	3,059	12,936	6,348
Personal and household goods	4,247	429	4,676	2,896	13,625	6,609
Domestic package freight	28,263	46,887	75,150	76,933	246,730	270,495
Other	51,104	11,665	62,769	41,782	266,682	156,328
Total freight carried	3,063,335	3,173,506	6,236,841	5,508,291	22,072,952	19,222,751

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

Commodity	July 1966			Total July 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
tons						
Meat, fresh, chilled or frozen	537	5,097	5,634	1,990	21,173	11,595
Milk powder	-	15,461	15,461	30,225	33,544	75,627
Barley	-	107,754	107,754	183,480	815,350	642,084
Corn	-	455,783	455,783	631,383	1,656,839	1,995,539
Oats	-	107,281	107,281	108,881	367,737	285,988
Rye	-	6,177	6,177	4,783	125,206	29,393
Wheat	6,720	1,595,917	1,602,637	742,128	5,461,030	3,226,583
Cereals, unmilled, n.e.s.	-	-	-	507	417	5,465
Corn meal and flour	-	7,841	7,841	8,729	30,937	25,875
Malt and malt flour	-	9,921	9,921	5,627	40,438	32,312
Wheat flour	-	37,006	37,006	32,606	88,080	118,256
Cereals, milled, n.e.s.	-	5,382	5,382	2,755	15,922	4,075
Fruit juices, unfermented, not concentrated, and fruit juice concentrates	99	13	112	1,041	1,505	4,396
Fruits, preserved, not canned, n.e.s.	802	-	802	579	4,465	5,083
Fruits and preparations, canned (except infant foods)	1,629	-	1,629	2,079	6,111	5,826
Vegetables, dried	1,680	1,161	2,841	28,249	57,966	69,714
Raw sugar	2,468	-	2,468	4,624	20,752	15,874
Molasses, crude	14,899	-	14,899	8,018	36,255	30,574
Syrup	-	-	-	4,250	3,714	8,769
Cocoa and chocolate	179	-	179	2,159	8,714	3,771
Lard	-	3,330	3,330	7,050	17,674	25,888
Hay, forage and straw	-	-	-	-	-	-
Hulls, screenings, chaff and scourings	-	14,057	14,057	-	55,135	18,705
Wheat bran, shorts and middlings	-	-	-	1,163	4,362	1,163
Ground cereals and by-products, n.e.s.	-	17,225	17,225	6,411	21,027	9,292
Soyabean oil meal and cake	-	26,646	26,646	21,453	108,073	73,552
Oil seed meals and cake, n.e.s.	-	11,002	11,002	4,155	35,364	18,539

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

Commodity	July 1966			Total July 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
	tons					
Brewers' and distillers' grains and solubles	-	268	268	1,106	1,426	4,699
Feeds of vegetable origin, n.e.s.	-	72,527	72,527	14,480	189,643	49,121
Ale, beer, stout and porter	1,271	89	1,360	1,464	4,707	4,970
Wines	2,136	64	2,200	1,951	13,587	9,004
Distilled alcoholic beverages	3,722	34	3,756	5,150	17,016	17,268
Raw hides and skins and undressed fur skins	224	3,886	4,110	8,048	23,830	33,284
Flaxseed	-	76,676	76,676	45,042	252,557	155,600
Rapeseed	-	-	-	1,683	10,595	11,587
Soybeans	-	169,563	169,563	242,571	684,543	762,504
Rubber and allied gums, natural, and natural gums and resins	7,456	-	7,456	7,635	34,014	42,009
Logs	-	737	737	2,306	18,010	10,638
Pulpwood	62,208	-	62,208	20,072	114,144	27,154
Alumina and bauxite ore	6,720	-	6,720	8,536	35,443	45,070
Iron ore, crude, and concentrates, calcined, roasted or treated	1,247,460	558,609	1,806,069	2,590,279	7,626,487	8,470,278
Manganese ore	72,666	-	72,666	27,461	180,370	37,875
Ores, concentrates and precipitates, n.e.s.	16,241	-	16,241	3,285	16,253	3,318
Iron and steel scrap	5,121	43,193	48,314	15,366	57,573	50,909
Non-ferrous and precious metal scrap	47	765	812	919	15,230	3,237
Coal, bituminous, sub-bituminous, and lignite	-	863,477	863,477	707,445	3,663,844	3,208,689
Bentonite	-	9,995	9,995	4,699	29,140	30,761
China clay	2,601	-	2,601	8,823	5,244	11,423
Clay and other crude refractory materials, n.e.s.	-	2,700	2,700	7,607	38,735	20,108
Sand and gravel	1,674	41,923	43,597	10,404	118,763	69,714
Limestone	-	-	-	6,358	6,196	85,880
Crushed stone, including stone refuse (except limestone flux and crushed limestone)	171,678	26	171,704	152,916	591,700	386,264
Stone, crude, n.e.s.	292	11,200	11,492	1,258	34,489	54,951
Fluorspar	-	-	-	19,238	47,968	67,552
Salt	-	118,147	118,147	75,481	193,789	118,546
Crude non-metallic minerals (except coal and petroleum), n.e.s.	785	853	1,638	3,024	24,640	6,124
Veneer, plywood and wood building boards	3,854	32	3,886	2,452	20,398	11,903
Pulp	5,708	729	6,437	3,461	17,970	25,259
Newsprint paper	59,147	-	59,147	58,306	257,181	259,924
Building paper and building board (except wood, plastic and gypsum board)	769	4	773	812	2,922	5,656
Gordage, twine and rope (except braided cords and threads)	1,394	-	1,394	636	22,090	16,436
Animal oils and fats (except marine)	22	32,639	32,661	18,335	83,631	74,363
Fish and marine animal oils	-	-	-	20	2,367	4,163
Vegetable oils and fats, except essential oils, n.e.s.	3,403	242	3,645	1,260	9,888	11,667
Oils, fats, waxes, extracts and derivatives, animal and vegetable, n.e.s.	391	64	455	499	7,709	4,517
Metallic salts and peroxy salts, of inorganic acids	-	2,485	2,485	8,420	17,369	32,766
Inorganic chemicals, n.e.s.	723	25,283	26,006	34,588	71,371	75,511
Glycol	-	-	-	24	9,604	11,769
Organic chemicals, n.e.s.	8,191	4,958	13,149	5,420	39,061	32,885
Fertilizers and fertilizer materials, n.e.s.	-	7,033	7,033	225	7,244	488
Synthetic rubber (including rubber compounds and reclaimed rubber)	-	6,483	6,483	7,154	28,499	18,401
Plastic materials, not shaped, and plastics basic shapes and forms	50	3,016	3,066	499	18,966	5,239
Chemical specialties, industrial, n.e.s.	528	4,153	4,681	7,126	10,262	48,487
Gasoline	25,294	8,059	33,353	16,574	139,571	102,834
Fuel oil	149,408	77,727	227,135	149,329	555,006	507,172

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

Commodity	July 1966			Total July 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
tons						
Lubricating oils and greases	36,898	3,873	40,771	19,925	100,366	89,704
Coke of petroleum and coal	-	16,644	16,644	63,220	90,210	145,094
Coal tar and coal pitch	-	12,430	12,430	21,059	38,832	52,436
Petroleum and coal products, n.e.s. ..	11	11,007	11,018	3,645	41,694	28,683
Ferro-alloys	8,002	-	8,002	-	22,665	41,947
Pig iron	30,676	-	30,676	32,984	102,725	127,301
Primary iron and steel, n.e.s.	973	-	973	4,936	59,802	6,815
Bars and rods, steel	44,267	-	44,267	59,061	124,380	351,920
Plate, sheet and strip, steel	218,041	711	218,752	221,921	727,058	598,683
Structural shapes and sheet piling ...	45,838	1	45,839	51,921	203,819	304,905
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	3,279	62	3,341	4,337	14,448	14,253
Wire (including wire rope)	14,535	22	14,557	12,608	50,087	42,086
Aluminum (including alloys)	3,031	158	3,189	3,351	14,431	14,916
Non-ferrous metals, n.e.s.	1,704	60	1,764	2,376	6,306	6,715
Metal fabricated basic products	10,370	338	10,708	14,330	61,832	60,081
Glass basic products	6,936	246	7,182	5,708	25,425	21,451
Cement	10,192	11,478	21,670	37,969	66,176	85,503
Non-metallic mineral basic products, n.e.s.	3,024	449	3,473	3,403	13,320	9,685
Tractors	4,620	1,361	5,981	5,589	24,271	15,044
Machinery, n.e.s.	4,756	7,586	12,342	11,004	38,745	39,465
Passenger automobiles and chassis	6,364	6,713	13,077	14,429	45,299	39,351
Motor vehicle engines, accessories, parts and assemblies	1,479	3,614	5,093	4,446	15,305	11,739
Equipment	1,587	897	2,484	1,817	6,449	5,146
Domestic package freight	44,482	24,160	68,642	62,145	231,695	224,355
Other	40,650	14,045	54,695	48,086	200,127	176,080
Total freight carried	2,431,912	4,690,548	7,122,460	6,864,342	26,734,302	24,305,272

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

July 1966

Commodity	Upbound		Downbound		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	-	-	23,802	27,977	23,802	27,977
Pulpwood, lumber and logs	-	-	2,553	11,818	2,553	11,818
Wheat	-	7,538	5,086	1,891,919	5,086	1,899,457
Barley	-	-	3,782	118,916	3,782	118,916
Oats	-	-	2,261	105,065	2,261	105,065
Corn	-	3,293	-	163,170	-	166,463
Rye	-	-	2,067	14,684	2,067	14,684
Flaxseed	-	-	-	65,689	-	65,689
Soyabeans	-	4,256	-	33,963	-	38,219
Flour	25	25	-	5,796	25	5,821
Mill products, screenings	-	1,100	8,627	65,726	8,627	66,826
Iron ore	-	-	-	10,753,386	-	10,753,386
Manufactured iron and steel	2,960	19,949	8,137	16,613	11,097	36,562
Pig iron	-	-	-	-	-	-
Scrap iron	-	-	-	7,140	-	7,140
Stone, broken, sand and gravel	-	323,463	19,850	19,850	19,850	343,313
Cement	-	32,436	-	-	-	32,436
Coal, bituminous	-	753,325	-	-	-	753,325
Coal, anthracite	-	6,500	-	-	-	6,500
Coke	-	-	-	-	-	-
Non-metallic minerals, mfrs.	-	4,500	-	-	-	4,500
Gasoline	6,494	30,916	4,531	9,927	11,025	40,843
Fuel oil	28,440	77,607	-	6,989	28,440	84,596
Other petroleum products	-	-	-	-	-	-
Motor vehicles	-	-	-	-	-	-
Miscellaneous merchandise	7,222	50,320	1,449	77,906	8,671	128,226
Domestic package freight	31,130	31,130	17,722	17,722	48,852	48,852
Total freight carried	76,271	1,346,358	99,867	13,414,256	176,138	14,760,614



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