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SUMMARY OF CANAL STATISTICS

MAY 1966

An analysis of May canal data revealed the following important changes and developments:

The total volume of freight transported through all Canadian canals in May increased 5.2 per cent to 13,909,077 tons from the 13,202,848 tons recorded in May 1965.

During May total traffic through the St. Lawrence Canals amounted to 6,074,469 tons, up 7.3 per cent or 412,549 tons, from the same month last year. The Welland Canal reported 7,565,961 tons, for an increase of 2.3 per cent or 169,500 tons over May 1965.

Coal shipments in May surpassed the levels attained in the corresponding month last year. Movements through the St. Lawrence Canals increased appreciably, rising 80,068 tons or 77.0 per cent to 184,046 tons; traffic of this commodity through the Welland Canal rose 175,231 tons or 19.8 per cent to 1,058,217 tons.

Iron ore moving upbound through the St. Lawrence Canals amounted to 1,773,925 tons, having increased only 1.9 per cent over May 1965; however, shipments through the Welland Canal declined by 247,748 tons or 9.9 per cent to 2,263,694 tons.

The volume of wheat moving downbound through the St. Lawrence Canals was slightly lower (28,725 tons) than May 1965 due to the longshoremen's strike at the ports of Montreal, Quebec City and Trois-Rivières. The Welland Canal reported a modest increase of 39,457 tons or 3.1 per cent over the same month last year.

Increased tonnages of other grains were transported through the St. Lawrence Canals as well as the Welland Canal. Downbound tonnages of barley through the latter canal amounted to 274,684 tons (205,820 tons in May 1965); corn, 554,663 tons (518,972); oats, 106,134 tons (95,065); and rye, 74,946 tons (11,936). Tonnages of these commodities transported through the St. Lawrence Canals were of similar magnitude: barley 260,893 tons (178,167 tons in May 1965); corn, 520,653 tons (508,659); oats, 103,750 tons (84,916); and rye, 79,659 tons (11,936).

Total traffic through the Canadian lock at Sault Ste. Marie increased 37.6 per cent or 43,464 tons over May 1965, while the tonnages shipped through the Canso Canal more than trebled.

Governments and Transportation Division
Transportation and Public Utilities Section

August 1966
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TABLE 1. Vessel Passages, Registered Net Tonnage, and Tonnage of Freight for All Canals

Canal	May 1966			Tonnage of freight May 1965	Cumulative tonnage of freight	
	Number of vessel passages	Registered net tonnage of vessels	Tonnage of freight		1966	1965
Canso Canal	185	109,731	106,030	33,570	218,425	33,570
St. Lawrence Canals	998	4,104,815	6,074,469	5,661,920	10,403,663	8,572,367
Welland Canal	1,117	5,317,106	7,565,961	7,396,461	12,844,088	10,541,475
Sault Ste. Marie Canal - Can. lock ...	199	358,803	158,913	115,449	259,307	137,297
All other canals	114	9,045	3,704	13,448	4,540	14,938
Totals	2,613	9,899,500	13,909,077	13,220,848	23,730,023	19,299,647
Sault Ste. Marie Canal - U.S. locks ..	894	..	14,178,207	13,260,603	21,531,903	16,191,184

.. Figures not available.

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

Commodity	May 1966			Total May 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
tons						
Meat, fresh, chilled or frozen	899	4,893	5,792	5,964	7,092	5,987
Milk powder	-	7,100	7,100	17,998	7,133	19,228
Barley	-	260,893	260,893	178,167	408,164	196,342
Corn	-	520,653	520,653	508,659	818,502	676,252
Oats	-	103,750	103,750	84,916	158,274	94,483
Rye	-	79,659	79,659	11,936	100,313	13,845
Wheat	-	1,166,315	1,166,315	1,195,040	2,460,252	1,883,555
Cereals, unmilled, n.e.s.	-	395	395	3,089	397	3,106
Corn meal and flour	-	8,007	8,007	8,474	8,007	8,486
Malt and malt flour	-	9,221	9,221	5,823	9,221	18,335
Wheat flour	2	21,480	21,482	47,243	23,481	55,792
Cereals, milled, n.e.s.	25	1,999	2,024	1,354	2,027	1,371
Fruit juices, unfermented, not concentrated, and fruit juice concentrates	580	31	611	1,924	1,553	2,412
Fruits, preserved, not canned, n.e.s.	2,745	1,004	3,749	1,130	5,118	5,969
Fruits and preparations, canned (except infant foods)	3,347	93	3,440	2,842	4,935	3,723
Vegetables, dried	37	38,250	38,287	26,270	42,703	27,054
Vegetables and vegetable preparations, n.e.s.	3,399	2,344	5,743	2,202	7,680	3,466
Raw sugar	31,296	3,084	34,380	560	41,325	8,273
Molasses, crude	20,776	-	20,776	6,416	27,997	17,614
Cocoa and chocolate	7,212	-	7,212	2,776	7,251	3,017
Lard	-	6,377	6,377	11,292	6,923	11,353
Miscellaneous foods, food materials and food preparations, n.e.s.	685	1,357	2,042	1,679	3,255	2,203
Hay, forage and straw	-	-	-	-	-	-
Hulls, screenings, chaff and scourings	-	13,335	13,335	16,586	22,627	16,586
Wheat bran, shorts and middlings	-	-	-	-	-	-
Ground cereals and by-products, n.e.s.	-	3,897	3,897	2,881	3,897	2,881
Soyabean oil meal and cake, n.e.s.	-	49,185	49,185	51,095	58,418	56,215
Oil seed meals and cake, n.e.s.	809	7,506	8,315	12,613	8,315	12,879
Brewers' and distillers' grains and solubles	-	332	332	344	332	344
Feeds of vegetable origin, n.e.s.	27	30,947	30,974	11,770	31,098	11,770
Ale, beer, stout and porter	1,565	-	1,565	1,581	2,730	2,885
Wines	7,511	14	7,525	3,179	12,397	6,038
Distilled alcoholic beverages	4,587	-	4,587	3,450	11,905	9,961
Raw hides and skins and undressed fur skins	351	11,244	11,595	18,563	13,186	19,236
Flaxseed	-	65,953	65,953	52,541	98,655	65,965
Rapeseed	-	10,595	10,595	9,008	10,595	9,016
Soybeans	-	184,411	184,411	194,152	285,427	294,671

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

Commodity	May 1966			Total May 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
Tons						
Rubber and allied gums, natural, and natural gums and resins	20,024	-	20,024	20,276	20,024	20,346
Logs	-	4,035	4,035	5,240	4,612	5,807
Pulpwood	14,131	-	14,131	2,064	19,810	2,890
Alumina and bauxite ore	21,953	-	21,953	8,245	28,723	8,245
Iron ore, crude, and concentrates, calcined, roasted or treated	1,747,079	26,846	1,773,925	1,739,940	3,210,496	2,752,578
Manganese ore	46,443	-	46,443	-	54,612	-
Ores, concentrates and precipitates, n.e.s.	-	-	-	375	12	15,921
Iron and steel scrap	-	-	-	10,644	-	19,643
Non-ferrous and precious metal scrap	1,101	1,253	2,354	1,764	7,301	2,741
Slags, drosses and other by-products	-	5,088	5,088	11,301	5,094	11,301
Coal, bituminous, sub-bituminous, and lignite	127,209	56,837	184,046	103,978	269,929	138,545
Crude petroleum, petroleum tops and natural gasoline	27,924	-	27,924	8,857	27,924	14,754
Bentonite	-	9,610	9,610	12,245	9,610	12,245
China clay	-	-	-	1,583	4,505	7,532
Clay and other crude refractory materials, n.e.s.	21	718	739	712	13,098	5,572
Sand and gravel	-	-	-	-	-	-
Fluorspar	22,942	4	22,946	21,465	28,693	33,353
Gypsum	11,784	-	11,784	15,727	11,784	24,072
Salt	-	28,894	28,894	20,719	53,154	42,453
Crude non-metallic minerals (except coal and petroleum), n.e.s.	716	590	1,306	2,181	2,643	2,921
Lumber and timber	1,518	669	2,187	2,234	2,338	2,234
Veneer, plywood and wood building boards	8,789	121	8,910	5,788	11,907	9,533
Pulp	5,055	251	5,306	7,728	8,186	11,565
Newsprint paper	54,591	3,697	58,288	59,727	118,831	105,401
Building paper and building board (except wood, plastic and gypsum board)	1,216	45	1,261	2,715	2,142	3,907
Cordage, twine and rope (except braided cords and threads)	10,073	-	10,073	4,679	21,477	14,334
Animal oils and fats (except marine)	39	41,840	41,879	32,025	42,258	33,403
Fish and marine animal oils	62	-	62	2,715	132	2,832
Soyabean oil	-	6,386	6,386	564	6,685	4,616
Vegetable oils and fats, except essential oils, n.e.s.	2,403	352	2,755	6,178	9,476	8,533
Oils, fats, waxes, extracts and derivatives, animal and vegetable, n.e.s.	2,430	4,692	7,122	2,332	7,151	2,511
Metallic salts and peroxy salts, of inorganic acids	1,014	10,312	11,326	1,784	12,315	6,070
Inorganic chemicals, n.e.s.	2,516	4,639	7,155	2,417	12,913	4,291
Glycol	-	-	-	2,273	4,777	2,459
Organic chemicals, n.e.s.	1,213	2,982	4,195	11,526	14,389	13,432
Fertilizers and fertilizer materials, n.e.s.	117	48	165	111	182	220
Synthetic rubber (including rubber compounds and reclaimed rubber)	636	6,816	7,452	5,035	12,002	5,109
Plastic materials, not shaped, and plastics basic shapes and forms	610	4,931	5,541	3,176	7,467	3,272
Chemical specialties, industrial, n.e.s.	1,828	945	2,773	34,935	4,484	36,748
Gasoline	38,029	-	38,029	-	49,659	1,955
Fuel oil	250,414	23	250,437	237,989	370,683	364,128
Lubricating oils and greases	60,362	896	61,258	30,604	81,828	34,137
Coke of petroleum and coal	-	28,238	28,238	19,083	43,352	42,343
Coal tar and coal pitch	48	5,230	5,278	1,042	5,278	6,638
Petroleum and coal products, n.e.s. ...	495	12,940	13,435	11,166	23,885	28,060
Ferro-alloys	9,303	48	9,351	20,321	11,723	38,406
Pig iron	26,511	-	26,511	36,759	60,517	63,366
Primary iron and steel, n.e.s.	1,211	154	1,365	392	37,584	1,518
Bars and rods, steel	26,966	1,482	28,448	115,030	55,630	147,699
Plate, sheet and strip, steel	216,829	5,219	222,048	129,099	313,602	288,721
Structural shapes and sheet piling ...	62,150	180	62,330	136,180	118,111	228,524

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

Commodity	May 1966			Total May 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
tons						
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	6,179	152	6,331	4,822	10,285	9,693
Wire (including wire rope)	11,927	47	11,974	13,592	24,309	25,313
Aluminum (including alloys)	6,882	228	7,110	3,351	9,231	6,514
Non-ferrous metals, n.e.s.	1,769	674	2,443	20,321	3,448	20,814
Metal fabricated basic products	27,815	1,610	29,425	18,816	44,110	35,129
Glass basic products	9,389	3	9,392	6,884	14,919	13,558
Cement	899	-	899	2,345	922	2,392
Non-metallic mineral basic products, n.e.s.	4,678	1,088	5,766	5,229	9,255	6,539
Miscellaneous fabricated materials ...	240	40	280	177	667	1,868
Tractors	7,886	2,653	10,539	2,230	15,576	2,230
Machinery, n.e.s.	9,406	3,864	13,270	17,636	20,809	26,502
Passenger automobiles and chassis ...	12,156	6,664	18,820	17,219	24,365	20,298
Motor vehicle engines, accessories, parts and assemblies	2,344	5,289	7,633	4,541	9,462	6,023
Equipment	3,012	1,359	4,371	594	5,467	1,016
Personal and household goods	2,617	364	2,981	729	6,733	2,009
Domestic package freight	20,902	43,037	63,939	76,589	126,713	113,615
Other	41,888	32,465	74,353	50,405	123,219	74,657
Total freight carried	3,083,597	2,990,872	6,074,469	5,661,920	10,403,663	8,572,367

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

Commodity	May 1966			Total May 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
tons						
Meat, fresh, chilled or frozen	820	4,170	4,990	5,547	5,889	5,547
Milk powder	-	7,100	7,100	17,976	7,100	19,206
Barley	-	274,684	274,684	205,820	433,801	214,936
Corn	-	554,663	554,663	518,972	868,107	693,607
Oats	-	106,134	106,134	95,065	164,234	100,163
Rye	-	74,946	74,946	11,936	106,937	13,845
Wheat	-	1,322,981	1,322,981	1,283,524	2,677,276	1,609,467
Cereals, unmilled, n.e.s.	-	395	395	3,089	395	3,089
Corn meal and flour	-	8,005	8,005	8,474	8,005	8,486
Malt and malt flour	-	9,221	9,221	10,409	21,820	20,037
Wheat flour	-	21,480	21,480	47,243	23,479	55,792
Cereals, milled, n.e.s.	-	1,999	1,999	1,320	1,999	1,320
Fruit juices, unfermented, not concentrated, and fruit juice concentrates	101	23	124	1,383	756	1,617
Fruits, preserved, not canned, n.e.s.	2,115	879	2,994	507	3,323	3,850
Fruits and preparations, canned (except infant foods)	1,874	1	1,875	1,698	2,742	2,269
Vegetables, dried	-	37,018	37,018	22,427	40,833	23,192
Raw sugar	5,614	3,084	8,698	7	13,517	4,629
Molasses, crude	5,600	-	5,600	6,416	5,600	17,614
Syrup	1,039	-	1,039	4,519	1,039	4,519
Cocoa and chocolate	5,404	-	5,404	1,350	6,317	1,425
Lard	-	6,377	6,377	11,292	6,923	11,292
Hay, forage and straw	-	-	-	-	-	-
Hulls, screenings, chaff and scourings	-	14,300	14,300	16,586	23,592	16,586
Wheat bran, shorts and middlings	-	-	-	-	-	-
Ground cereals and by-products, n.e.s.	-	3,645	3,645	2,881	3,645	2,881
Soyabean oil meal and cake	-	26,472	26,472	24,607	30,373	29,270
Oil seed meals and cake, n.e.s.	-	7,506	7,506	11,443	7,506	11,443

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

Commodity	May 1966			Total May 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
tons						
Brewers' and distillers' grains and solubles	-	332	332	339	332	339
Feeds of vegetable origin, n.e.s.	-	30,947	30,947	11,112	31,067	11,112
Ale, beer, stout and porter	1,302	-	1,302	1,222	2,258	2,471
Wines	4,754	14	4,768	2,372	8,607	4,863
Distilled alcoholic beverages	3,008	-	3,008	3,069	9,322	8,489
Raw hides and skins and undressed fur skins	351	7,061	7,412	15,398	7,804	15,859
Flaxseed	-	75,730	75,730	60,139	111,404	73,021
Rapeseed	-	10,595	10,595	9,008	10,595	9,008
Soyabeans	-	233,682	233,682	241,168	364,079	342,557
Rubber and allied gums, natural, and natural gums and resins	16,368	-	16,368	18,759	16,368	18,759
Logs	-	3,864	3,864	3,810	4,041	4,377
Pulpwood	14,131	-	14,131	2,064	19,120	2,890
Alumina and bauxite ore	21,953	-	21,953	8,245	28,723	8,245
Iron ore, crude, and concentrates, calcined, roasted or treated	1,669,509	594,185	2,263,694	2,511,442	3,738,613	3,624,493
Manganese ore	46,443	-	46,443	-	54,612	-
Ores, concentrates and precipitates, n.e.s.	-	-	-	33	12	33
Iron and steel scrap	-	-	-	28,630	148	28,630
Non-ferrous and precious metal scrap	1,101	2,865	3,966	1,183	3,966	2,160
Coal, bituminous, sub-bituminous, and lignite	-	1,058,217	1,058,217	882,986	1,814,873	1,457,631
Bentonite	-	9,610	9,610	12,245	9,610	12,245
China clay	-	-	-	-	2,640	2,600
Clay and other crude refractory materials, n.e.s.	21	417	438	241	23,802	6,242
Sand and gravel	1,934	23,045	24,979	25,997	60,075	43,780
Limestone	-	-	-	49,708	-	55,712
Crushed stone, including stone refuse (except limestone flux and crushed limestone)	137,855	-	137,855	90,259	307,172	163,198
Stone, crude, n.e.s.	69	-	69	19,139	9,745	19,330
Fluorspar	16,970	4	16,974	21,445	22,721	33,333
Salt	-	28,372	28,372	21,200	62,832	21,200
Crude non-metallic minerals (except coal and petroleum), n.e.s.	577	208	785	1,982	6,150	2,667
Veneer, plywood and wood building boards	6,932	25	6,957	4,626	9,266	6,307
Pulp	5,055	128	5,183	7,728	8,063	11,565
Newsprint paper	67,877	3,697	71,574	68,954	139,614	127,208
Building paper and building board (except wood, plastic and gypsum board)	875	-	875	2,292	1,209	3,148
Gordage, twine and rope (except braided cords and threads)	7,900	-	7,900	3,156	19,302	12,791
Animal oils and fats (except marine)	35	41,392	41,427	30,722	41,441	30,915
Fish and marine animal oils	51	-	51	1,072	110	1,072
Vegetable oils and fats, except essential oils, n.e.s.	1,835	13	1,848	4,883	3,893	5,164
Oils, fats, waxes, extracts and derivatives, animal and vegetable, n.e.s.	2,405	4,692	7,097	1,876	7,097	1,991
Metallic salts and peroxy salts, of inorganic acids	312	13,872	14,184	12,420	14,454	18,720
Inorganic chemicals, n.e.s.	1,255	19,078	20,333	10,554	24,125	11,099
Glycol	-	9,023	9,023	3,291	9,023	6,264
Organic chemicals, n.e.s.	2,730	2,343	5,073	14,242	17,169	17,878
Fertilizers and fertilizer materials, n.e.s.	112	48	160	105	177	176
Synthetic rubber (including rubber compounds and reclaimed rubber)	70	6,635	6,705	4,871	10,605	4,871
Plastic materials, not shaped, and plastics basic shapes and forms	167	4,109	4,276	2,745	5,891	2,761
Chemical specialties, industrial, n.e.s.	957	516	1,473	30,955	2,685	35,148
Gasoline	42,672	7,054	49,726	25,483	76,987	46,796
Fuel oil	78,179	33,320	111,499	131,979	167,864	190,314

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

Commodity	May 1966			Total May 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
Tons						
Lubricating oils and greases	30,788	858	31,646	39,576	46,763	46,455
Coke of petroleum and coal	-	28,238	28,238	26,399	43,352	49,659
Coal tar and coal pitch	48	12,775	12,823	11,865	18,870	19,898
Petroleum and coal products, n.e.s. ..	473	15,316	15,789	6,554	26,777	21,554
Ferro-alloys	9,238	-	9,238	20,311	11,510	38,373
Pig iron	22,031	-	22,031	36,759	56,037	63,366
Primary iron and steel, n.e.s.	1,211	7,459	8,670	224	57,149	1,350
Bars and rods, steel	24,893	12	24,905	100,462	47,429	130,114
Plate, sheet and strip, steel	219,363	677	220,040	111,670	307,071	244,765
Structural shapes and sheet piling ...	57,569	25	57,594	113,704	95,943	192,542
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	4,204	119	4,323	2,547	6,418	6,167
Wire (including wire rope)	10,666	37	10,703	10,849	21,216	21,135
Aluminum (including alloys)	6,530	117	6,647	3,174	8,371	6,177
Non-ferrous metals, n.e.s.	1,715	329	2,044	2,093	3,006	2,487
Metal fabricated basic products	25,616	1,030	26,646	16,211	37,970	30,153
Glass basic products	8,372	3	8,375	5,313	12,521	10,278
Cement	2,581	8,948	11,529	5,967	24,601	29,451
Non-metallic mineral basic products, n.e.s.	2,845	647	3,492	2,651	5,709	3,734
Tractors	6,879	2,539	9,418	2,148	13,321	2,148
Machinery, n.e.s.	5,724	3,078	8,802	13,794	12,899	19,194
Passenger automobiles and chassis ...	10,083	6,521	16,604	15,723	18,734	17,199
Motor vehicle engines, accessories, parts and assemblies	1,877	3,402	5,279	3,687	6,742	4,645
Equipment	1,068	764	1,832	1,602	2,335	1,891
Domestic package freight	42,936	22,295	65,231	74,865	112,703	96,398
Other	23,677	41,877	65,554	49,573	91,767	96,828
Total freight carried	2,698,719	4,867,242	7,565,961	7,396,461	12,844,088	10,541,475

TABLE 4. Tonnage of Freight Transported through the Sault Ste. Marie Canals, by Commodity and by Direction
May 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	-	-	16,027	32,707	16,027	32,707
Pulpwood, lumber and logs	800	1,255	3,922	18,342	4,722	19,597
Wheat	-	-	350	1,646,671	350	1,646,671
Barley	-	4,486	3,817	274,645	3,817	279,131
Oats	-	-	1,654	143,167	1,654	143,167
Corn	-	-	-	112,710	-	112,710
Rye	-	-	-	66,224	-	66,224
Flaxseed	-	-	-	87,846	-	87,846
Soyabeans	-	-	-	82,907	-	82,907
Flour	-	-	-	7,173	-	7,173
Mill products, screenings	-	-	5,354	73,357	5,354	73,357
Iron ore	6,704	76,353	-	10,226,192	6,704	10,302,545
Manufactured iron and steel	219	33,332	8,984	33,476	9,203	66,808
Pig iron	1,497	1,497	462	1,242	1,959	2,739
Scrap iron	-	-	-	-	-	-
Stone, broken, sand and gravel	-	221,127	2,000	2,000	2,000	223,127
Cement	-	-	-	-	-	-
Coal, bituminous	-	28,258	-	-	-	28,258
Coal, anthracite	-	838,853	-	-	-	838,853
Coke	-	-	-	-	-	-
Non-metallic minerals, mfrs.	-	6,777	-	-	-	6,777
Gasoline	5,591	18,106	4,597	7,350	10,188	25,456
Fuel oil	21,738	98,883	-	4,201	21,738	103,084
Other petroleum products	-	-	3,050	3,050	3,050	3,050
Motor vehicles	-	-	-	-	-	-
Miscellaneous merchandise	28,133	109,389	3,796	35,326	31,929	144,715
Domestic package freight	28,457	28,457	11,761	11,761	40,218	40,218
Total freight carried	93,139	1,466,773	65,774	12,870,347	158,913	14,337,120



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