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SUMMARY OF CANAL STATISTICS

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

The total tonnage of freight transported through all Canadian canals during September increased 10.1 per cent, to 12,561,815 tons from 11,486,955 tons in September last year.

For the period ending September 30, the cumulative total of freight moving through all Canadian canals increased 3.4 per cent, to 70,125,984 tons from 67,847,692 tons handled in the same period in 1964. St. Lawrence Seaway canals recorded the following increases: St. Lawrence Canals, 30,515,837 tons (28,975,518 tons in 1964); Welland Canal, 39,922,007 tons (37,361,352 tons); and Sault Ste. Marie Canal, 925,570 tons (599,241 tons).

During September total traffic through the St. Lawrence Canals amounted to 5,588,915 tons, up 17.5 per cent, or 830,870 tons, from the same month last year. The Welland Canal reported 6,685,588 tons, for an increase of 5.7 per cent, or 359,603 tons, over the same month in the previous year.

Shipments of wheat moving through the two major canals increased over the same month last year, with the St. Lawrence and Welland Canals reporting 1,377,904 tons (947,648 tons in September 1964), and 1,422,549 tons (1,024,831 tons), respectively. This has been the first month this year to record greater shipments of wheat than in the same month in the previous year. The greater tonnages reflect the impact of the first shipments to the U.S.S.R. under the new sales agreement announced in August.

Oats moved in greater volume than in September of last year, with the St. Lawrence Canals reporting 155,663 tons (53,366 tons in September 1964), and the Welland Canal reporting 167,490 tons (71,820 tons).

Soya bean movements decreased in volume. The St. Lawrence Canals reported 65,164 tons (127,666 tons in September 1964), and the Welland Canal reported 92,810 tons (157,575 tons).

Iron and steel products continued to move in substantial volume, destined mainly for U.S. Great Lakes ports. The St. Lawrence Canal reported: bars and rods, 69,225 tons (25,434 tons in September 1964); plate, sheet and strip, 161,497 tons (37,362 tons); and structural shapes and sheet piling, 107,844 tons (58,664 tons). The Welland Canal recorded: bars and rods, 62,059 tons (18,882 tons in September 1964); plate, sheet and strip, 134,991 tons (23,144 tons); and structural shapes and sheet piling, 91,412 tons (45,641 tons).

Iron ore through the St. Lawrence Canals increased to 1,508,030 tons (1,472,105 tons in September 1964). The Welland Canal, however, reported decreased movements of this commodity, totaling 1,764,174 tons (2,185,530 tons in 1964). Most of this decrease was in downbound movements.

Transportation Section
Public Finance and Transportation Division

November 1965
8504-517

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

Canal	September 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	56	3,085	32	34	129	271
Canoe Canal	182	138,570	154,624	221,910	698,648	829,197
Richelieu River Canals	67	12,609	10,591	14,012	61,870	67,955
St. Lawrence Canals	993	3,668,783	5,588,915	4,758,045	30,515,837	28,975,518
Ottawa River Canals	6	289	35	1,690	555	11,581
Rideau Canal	-	-	-	-	-	-
Murray Canal	6	323	-	-	-	-
Trent Canal	29	113	-	9	13	56
Welland Canal	1,105	4,929,041	6,685,588	6,325,985	37,922,007	37,361,352
Sault Ste. Marie Canal - Can. lock ...	510	476,586	211,670	164,563	925,570	599,241
St. Andrew's Canal	50	1,914	360	707	1,355	2,521
Totals	3,004	9,231,313	12,651,815	11,486,955	70,125,984	67,847,692
Sault Ste. Marie Canal - U.S. locks ..	1,779	..	12,479,282	12,174,435	65,042,852	70,414,952

.. Figures not available.

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat, fresh, chilled or frozen	-	1,368	-	8,184	-	9,552	9,552
Butter	-	-	-	157	-	157	157
Milk powder	-	19	-	50,818	-	50,837	50,837
Barley	-	-	177,565	-	177,565	-	177,565
Corn	-	-	361,280	2	361,280	2	361,282
Oats	-	-	155,663	-	155,663	-	155,663
Rye	-	-	22,433	-	22,433	-	22,433
Wheat	-	-	1,377,904	-	1,377,904	-	1,377,904
Corn meal and flour	-	-	10,402	-	10,402	-	10,402
Malt and malt flour	-	-	16,186	-	16,186	-	16,186
Wheat flour	-	-	27,183	-	27,183	-	27,183
Cereals milled, n.e.s.	-	45	9,084	663	9,084	708	9,792
Dried and dehydrated fruits	-	15	-	-	-	15	15
Fruits and preparations, canned (except infant foods)	-	1,889	-	1,047	-	2,936	2,936
Vegetables, dried	13	80	26,537	13	26,550	93	26,643
Raw sugar	19,316	-	-	-	19,316	-	19,316
Molasses, crude	9,612	-	-	-	9,612	-	9,612
Sugar preparations (including confectionery)	-	671	84	456	84	1,127	1,211
Lard	-	-	8,340	408	8,340	408	8,748
Miscellaneous foods, food materials and food preparations, n.e.s.	-	447	-	1,870	-	2,317	2,317
Hulls, screenings, chaff and scourings	-	-	16,046	-	16,046	-	16,046
Ground cereals and by-products, n.e.s.	-	-	1,322	-	1,322	-	1,322
Soyabean oil meal and cake	-	-	48,511	-	48,511	-	48,511
Oil seed meals and cake, n.e.s.	1	-	13,623	114	13,624	114	13,738
Feeds of vegetable origin, n.e.s.	-	16	3,623	-	3,623	16	3,639
Ale, beer, stout and porter	-	1,188	-	18	-	1,206	1,206
Wines	-	3,799	-	-	-	3,799	3,799
Distilled alcoholic beverages	-	6,018	-	107	-	6,125	6,125
Raw hides and skins and undressed fur skins	-	404	31	6,985	31	7,389	7,420
Flaxseed	-	-	21,099	-	21,099	-	21,099
Soya beans	1,945	-	63,219	-	65,164	-	65,164
Rubber and allied gums, natural, and natural gums and resins	-	7,545	2,670	48	2,670	7,593	10,263
Logs	-	-	-	-	-	-	-
Pulpwood	46,888	-	-	-	46,888	-	46,888
Alumina and bauxite ore	18,957	-	-	-	18,957	-	18,957
Iron ore, crude, and concentrates, calcined, roasted or treated	1,508,030	-	-	-	1,508,030	-	1,508,030
Manganese ore	20,283	-	-	-	20,283	-	20,283
Ores, concentrates and precipitates, n.e.s.	-	8	-	-	-	8	8

See note at end of table.

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Iron and steel scrap	-	-	19,374	-	19,374	-	19,374
Non-ferrous and precious metal scrap ..	-	779	-	2,333	-	3,112	3,112
Slags, drosses and other by-products ..	-	9	-	314	-	323	323
Coal, bituminous, sub-bituminous, and lignite	78,216	-	89,459	-	167,675	-	167,675
Crude petroleum, petroleum tops and natural gasoline	13,746	-	-	-	13,746	-	13,746
Bentonite	-	-	14,619	-	14,619	-	14,619
China clay	1,856	-	-	-	1,856	-	1,856
Clay and other crude refractory materials, n.e.s.	11	324	6,003	122	6,014	446	6,460
Fluorspar	24,411	-	-	-	24,411	-	24,411
Gypsum	9,027	-	-	-	9,027	-	9,027
Phosphate rock	-	-	-	-	-	-	-
Salt	-	-	44,600	-	44,600	-	44,600
Sulphur in ores, crude and refined (except pharmaceutical grade)	-	-	-	-	-	-	-
Crude non-metallic minerals (except coal and petroleum), n.e.s.	1,210	27	418	537	1,628	564	2,192
Veneer, plywood and wood building boards	-	5,245	-	77	-	5,322	5,322
Pulp	2,798	20	850	-	3,648	20	3,668
Newsprint paper	-	48,063	-	849	-	48,912	48,912
Cordage, twine and rope (except braided cords and threads)	-	1,758	-	-	-	1,758	1,758
Animal oils and fats (except marine) ..	259	3	20,593	67	20,852	70	20,922
Soyabean oil	-	-	3,508	416	3,508	416	3,924
Vegetable oils and fats, (except essential oils), n.e.s.	6,285	332	574	682	6,859	1,014	7,873
Metallic salts and peroxysalts, of inorganic acids	-	842	-	430	-	1,272	1,272
Inorganic chemicals, n.e.s.	111	312	950	9,868	1,061	10,180	11,241
Organic chemicals, n.e.s.	-	1,060	4,366	725	4,366	1,785	6,151
Fertilizers and fertilizer materials, n.e.s.	87	44	8,500	3	8,587	47	8,634
Synthetic rubber (including rubber compounds and reclaimed rubber)	-	282	2,263	5,760	2,263	6,042	8,305
Chemical specialties, industrial, n.e.s.	-	1,346	2,204	3,018	2,204	4,364	6,568
Gasoline	29,003	-	-	-	29,003	-	29,003
Fuel oil	266,372	-	7,663	201	274,035	201	274,236
Lubricating oils and greases	23,058	16	-	913	23,058	929	23,987
Coke of petroleum and coal	160	-	11,127	-	11,287	-	11,287
Coal tar and coal pitch	-	-	3,630	-	3,630	-	3,630
Petroleum and coal products, n.e.s. ...	1,278	44	8,863	152	10,141	196	10,337
Ferro-alloys	14,526	55	-	-	14,526	55	14,581
Pig iron	46,731	-	-	-	46,731	-	46,731
Bars and rods, steel	-	67,677	-	1,548	-	69,225	69,225
Plate, sheet and strip, steel	-	152,084	-	9,413	-	161,497	161,497
Structural shapes and sheet piling	1,082	106,142	329	291	1,411	106,433	107,844
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	-	3,013	-	1,712	-	4,725	4,725
Wire (including wire rope)	-	9,606	-	130	-	9,736	9,736
Aluminum (including alloys)	637	3,216	-	2,510	637	5,726	6,363
Metal fabricated basic products	-	11,593	2,410	1,524	2,410	13,117	15,527
Glass basic products	-	7,572	-	297	-	7,869	7,869
Cement	110	-	-	-	110	-	110
Non-metallic mineral basic products, n.e.s.	-	3,727	303	3,006	303	6,733	7,036
Machinery, n.e.s.	147	5,856	-	6,795	147	12,651	12,798
Passenger automobiles and chassis	-	12,330	-	5,012	-	17,342	17,342
Trucks, truck chassis and truck tractors, commercial	-	114	-	1,067	-	1,181	1,181
Motor vehicles engines, accessories, parts and assemblies	-	1,649	-	4,149	-	5,798	5,798
Miscellaneous end products, inedible, n.e.s.	2,541	6,537	-	5,607	2,541	12,144	14,685
Domestic package freight	25,826	-	51,791	-	77,617	-	77,617
Other	17,184	39,635	46,570	28,184	63,754	67,819	131,573
Total freight carried	2,191,717	514,824	2,713,772	168,602	4,905,489	683,426	5,588,915

(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, September 1965

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Meat, fresh, chilled or frozen	-	1,068	-	7,673	-	8,741	8,741
Butter	-	-	-	157	-	157	157
Milk powder	-	19	-	49,142	-	49,161	49,161
Barley	3,840	-	198,027	-	201,867	-	201,867
Corn	-	-	376,763	-	376,763	-	376,763
Oats	-	-	167,490	-	167,490	-	167,490
Rye	-	-	21,683	-	21,683	-	21,683
Wheat	-	-	1,422,549	-	1,422,549	-	1,422,549
Corn meal and flour	-	-	9,133	-	9,133	-	9,133
Malt and malt flour	-	-	16,186	-	16,186	-	16,186
Wheat flour	-	-	26,959	-	26,959	-	26,959
Cereals milled, n.e.s.	-	45	8,248	663	8,248	708	8,956
Dried and dehydrated fruits	-	15	-	-	-	15	15
Fruits and preparations, canned (except infant foods)	-	929	-	776	-	1,705	1,705
Vegetables, dried	-	-	24,671	-	24,671	-	24,671
Raw sugar	6,549	-	-	-	6,549	-	6,549
Molasses, crude	12,661	-	-	-	12,661	-	12,661
Syrup	-	-	-	-	-	-	-
Lard	-	-	8,340	408	8,340	408	8,748
Hulls, screenings, chaff and scourings	-	-	16,046	-	16,046	-	16,046
Ground cereals and by-products, n.e.s.	-	-	44	-	44	-	44
Soyabean oil meal and cake	-	-	23,003	-	23,003	-	23,003
Oil seed meals and cake, n.e.s.	-	-	12,836	114	12,836	114	12,950
Feeds of vegetable origin, n.e.s.	-	-	3,623	-	3,623	-	3,623
Ale, beer, stout and porter	-	1,064	-	6	-	1,070	1,070
Wines	-	2,602	-	-	-	2,602	2,602
Distilled alcoholic beverages	-	4,579	-	99	-	4,678	4,678
Raw hides and skins and undressed fur skins	-	306	31	5,588	31	5,894	5,925
Flaxseed	-	-	21,099	-	21,099	-	21,099
Soya beans	-	-	92,810	-	92,810	-	92,810
Rubber and allied gums, natural, and natural gums and resins	-	6,063	-	-	-	6,063	6,063
Logs	-	-	2,149	48	2,149	48	2,197
Pulpwood	46,888	-	2,180	-	49,068	-	49,068
Alumina and bauxite ore	18,957	-	-	-	18,957	-	18,957
Iron ore, crude, and concentrates, calcined, roasted or treated	1,390,996	-	373,178	-	1,764,174	-	1,764,174
Manganese ore	25,789	-	-	-	25,789	-	25,789
Copper concentrates and precipitates, n.e.s.	-	8	-	-	-	8	8
Iron and steel scrap	-	-	19,374	-	19,374	-	19,374
Coal, bituminous, sub-bituminous, and lignite	-	-	974,177	-	974,177	-	974,177
Bentonite	-	-	14,619	-	14,619	-	14,619
Belomite	-	-	-	-	-	-	-
Clay and other crude refractory materials, n.e.s.	-	-	6,003	122	6,003	122	6,125
Sand and gravel	6,424	-	11,450	-	17,874	-	17,874
Limestone	49,337	-	-	-	49,337	-	49,337
Crushed stone, including stone refuse (except limestone flux and crushed limestone)	107,829	-	-	-	107,829	-	107,829
Fluorspar	24,443	-	-	-	24,443	-	24,443
Gypsum	-	-	-	-	-	-	-
Salt	-	-	82,088	-	82,088	-	82,088
Sulphur in ores, crude and refined (except pharmaceutical grade)	-	-	-	-	-	-	-
Crude non-metallic minerals (except coal and petroleum), n.e.s.	255	5	357	462	612	467	1,079
Veneer, plywood and wood building boards	-	3,973	-	35	-	4,008	4,008
Pulp	2,798	20	850	-	3,648	20	3,668
Newsprint paper	-	63,299	-	-	-	63,299	63,299
Sardage, twine and rope (except braided cords and threads)	-	671	-	-	-	671	671
Animal oils and fats (except marine) ..	259	-	20,259	-	20,518	-	20,518
Vegetable oils and fats, except essential oils, n.e.s.	4,268	320	-	642	4,268	962	5,230
Metallic salts and peroxy salts, of inorganic acids	-	563	-	411	-	974	974
Inorganic chemicals, n.e.s.	-	96	19,722	4,336	19,722	4,432	24,154
Organic chemicals, n.e.s.	2,426	761	4,366	619	6,792	1,380	8,172

See note at end of table.

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

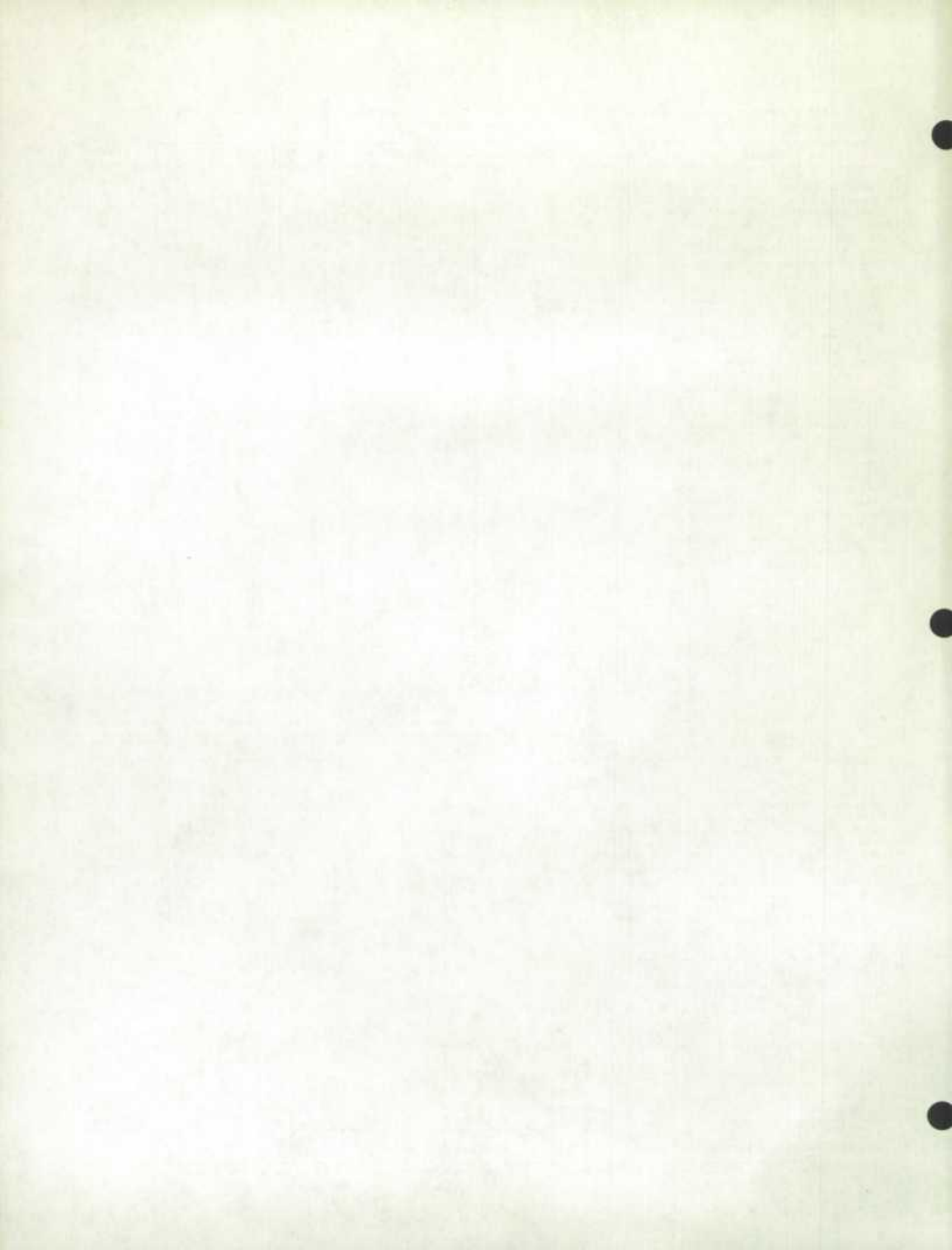
Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
tons							
Synthetic rubber (including rubber compounds and reclaimed rubber	-	-	2,263	5,505	2,263	5,505	7,768
Chemical specialties, industrial, n.e.s.	-	566	2,204	2,329	2,204	2,895	5,099
Gasoline	5,601	-	8,243	-	13,844	-	13,844
Fuel oil	56,035	-	59,119	201	115,154	201	115,355
Lubricating oils and greases	27,745	-	-	877	27,745	877	28,622
Coke of petroleum and coal	160	-	11,127	-	11,287	-	11,287
Coal tar and coal pitch	-	-	5,164	-	5,164	-	5,164
Petroleum and coal products, n.e.s. ...	-	30	6,441	93	6,441	123	6,564
Ferro-alloys	14,526	24	-	-	14,526	24	14,550
Pig iron	46,731	-	-	-	46,731	-	46,731
Bars and rods, steel	-	60,829	-	1,230	-	62,059	62,059
Plate, sheet and strip, steel	-	128,965	-	6,026	-	134,991	134,991
Structural shapes and sheet piling ...	-	91,412	-	-	-	91,412	91,412
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	-	1,514	-	1,299	-	2,813	2,813
Wire (including wire rope)	-	8,602	-	25	-	8,627	8,627
Aluminum (including alloys)	-	2,998	-	466	-	3,464	3,464
Metal fabricated basic products	-	9,442	2,410	992	2,410	10,434	12,844
Glass basic products	-	5,406	-	297	-	5,703	5,703
Cement	2,507	-	23,488	-	25,995	-	25,995
Non-metallic mineral basic products, n.e.s.	-	2,441	303	965	303	3,406	3,709
Machinery, n.e.s.	-	3,854	-	6,345	-	10,199	10,199
Passenger automobiles and chassis	-	9,936	-	4,901	-	14,837	14,837
Trucks, truck chassis and truck tractors, commercial	-	85	-	1,062	-	1,147	1,147
Motor vehicle engines, accessories, parts and assemblies	-	990	-	3,882	-	4,872	4,872
Miscellaneous end products, inedible, n.e.s.	608	2,422	-	4,865	608	7,287	7,895
Domestic package freight	34,972	-	33,613	-	68,585	-	68,585
Other freight	14,246	30,148	61,766	23,553	76,012	53,701	129,713
Total freight carried	1,906,850	446,070	4,196,454	136,214	6,103,304	582,284	6,685,588

(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, September 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	-	-	21,215	26,313	21,215	26,313
Pulpwood, lumber and logs	-	-	11,601	16,201	11,601	16,201
Wheat	-	-	18,861	1,819,663	18,861	1,819,663
Barley	-	-	10,524	246,764	10,524	246,764
Oats	-	-	16,090	160,626	16,090	160,626
Corn	-	-	-	150,945	-	150,945
Rye	-	-	777	28,546	777	28,546
Flaxseed	-	-	-	29,500	-	29,500
Soya beans	-	-	-	27,429	-	27,429
Flour	-	-	500	4,384	500	4,384
Mill products, screenings	-	16,344	12,343	75,058	12,343	91,402
Iron ore	-	-	-	8,325,924	-	8,325,924
Manufactured iron and steel	32	18,066	4,496	54,935	4,528	73,001
Pig iron	-	-	-	14,734	-	14,734
Scrap iron	-	-	-	7,210	-	7,210
Stone, broken, sand and gravel	-	207,737	9,060	9,060	9,060	216,797
Cement	2,507	36,907	-	-	2,507	36,907
Coal, bituminous	5,737	1,075,683	-	-	5,737	1,075,683
Coal, anthracite	-	-	-	-	-	-
Coke	-	-	-	-	-	-
Non-metallic minerals, mfrs.	-	9,250	-	-	-	9,250
Gasoline	3,974	18,251	-	9,974	3,974	28,225
Fuel oil	14,305	65,553	-	-	14,305	65,553
Other petroleum products	-	-	-	-	-	-
Motor vehicles	-	-	-	-	-	-
Miscellaneous merchandise	4,169	56,907	14,868	118,377	19,037	175,284
Domestic package freight	36,679	36,679	23,932	23,932	60,611	60,611
Total freight carried	67,403	1,541,377	144,267	11,149,575	211,670	12,690,952

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





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