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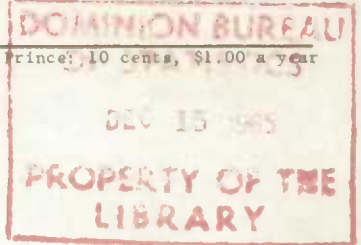
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SUMMARY OF CANAL STATISTICS

OCTOBER 1965



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

The total tonnage of freight transported through all Canadian canals during October increased 16.8 per cent, to 13,262,290 tons from 11,357,177 tons in October 1964.

The cumulative total of freight moving through all Canadian canals up to the end of October amounted to 83,388,274 tons - an increase of 5.3 per cent from the 79,204,869 tons reported in the corresponding period last year. April - October totals for the two major networks, the St. Lawrence and the Welland, were 36,419,528 tons and 43,634,188 tons, respectively. Both of these amounts indicate another record season for the Seaway.

During October the total amount of tonnage moved through the St. Lawrence Canals was 5,903,691 tons, which was 25.5 per cent more than the 4,705,800 tons reported for the same month one year ago. Similarly, the Welland Canal reported an increase, rising 11.0 per cent, to 6,962,377 tons from 6,272,836 tons.

Shipments of wheat through both systems continued at the accelerated rate first noted in September, with the St. Lawrence Canals reporting 1,276,877 tons transported and the Welland, 1,280,507 tons. The corresponding totals for the same month last year were 619,288 tons and 632,805 tons, respectively.

Iron ore transported through the St. Lawrence Canals increased 16.1 per cent, to 1,660,898 tons from 1,430,980 tons. The same commodity moving through the Welland Canal, however, recorded a decrease of 18.0 per cent, to 1,773,360 tons from 2,162,861 tons.

Iron and steel products remained one of the major factors in the increased tonnages reported moving through both waterways. The St. Lawrence Canals reported: bars and rods, steel, 115,493 tons (63,589 tons in October 1964); plate, sheet and strip, steel, 239,522 tons (55,591 tons); and structural shapes and sheet piling, 156,974 tons (82,618 tons). The Welland Canal reported: bars and rods, steel, 97,021 tons (57,549 tons); plate, sheet and strip, steel, 192,269 tons (48,201 tons); and structural shapes and sheet piling, 132,024 tons (67,722 tons). Almost all of the iron and steel products moved upbound through the Seaway and were destined for U.S. Great Lakes ports.

Corn shipments from U.S. ports through the Welland and St. Lawrence Canals were down from last October. The Welland registered a decrease of 54.2 per cent, to 180,083 tons from 393,323 tons, while the St. Lawrence was down 17.6 per cent, to 160,349 tons from 194,643 tons.

Bituminous coal downbound through the Welland Canal and destined for Ontario's industrial complex in and around the Toronto area, expanded by 53.3 per cent this October, to 1,157,601 tons from 755,357 tons in October 1964. The corresponding percentage increase for the St. Lawrence Canals was 110.1, resulting in a total of 180,220 tons of bituminous coal passing through this waterway during the month under review.

Barley shipments, while relatively unchanged from the corresponding month last year on the Welland Canal, advanced sharply on the St. Lawrence Canals, to 217,458 tons. This month's total compares with October 1964, when 51,083 tons were shipped.

The number of vessel passages in October, with the corresponding net registered tonnages, for each of the three major canals, follow: The St. Lawrence Canals reported 1,042 vessels of 3,872,714 net registered tons (945 and 3,289,289 net registered tons in October 1964); the Welland Canal, 1,104 vessels of 5,070,394 net registered tons (992 and 4,559,518 net registered tons); and the Sault Ste. Marie Canal (Canadian lock only), 321 vessels of 490,321 net registered tons (322 and 414,611 net registered tons).

Transportation Section
Public Finance and Transportation Division

December 1965
8504-517

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Iron and steel scrap	-	-	1,521	-	1,521	-	1,521
Non-ferrous and precious metal scrap ..	-	546	-	1,369	-	1,915	1,915
Slags, drosses and other by-products ..	-	43	-	132	-	175	175
Coal, bituminous, sub-bituminous, and lignite	63,698	-	116,522	-	180,220	-	180,220
Crude petroleum, petroleum tops and natural gasoline	14,137	-	-	-	14,137	-	14,137
Bentonite	-	-	17,215	3	17,215	3	17,218
China clay	5,925	-	-	-	5,925	-	5,925
Clay and other crude refractory materials, n.e.s.	8	496	17,294	625	17,302	1,121	18,423
Fluorspar	26,348	-	-	-	26,348	-	26,348
Gypsum	21,236	-	-	-	21,236	-	21,236
Phosphate rock	-	-	-	-	-	-	-
Salt	-	-	38,300	-	38,300	-	38,300
Sulphur in ores, crude and refined (except pharmaceutical grade)	-	-	-	-	-	-	-
Crude non-metallic mineral (except coal petroleum), n.e.s.	7,567	68	642	32	8,209	100	8,309
Veneer, plywood and wood building boards	-	6,548	-	116	-	6,664	6,664
Pulp	20,554	-	1,287	-	21,841	-	21,841
Newsprint paper	-	57,385	-	3,516	-	60,901	60,901
Cordage, twine and rope (except braided cords and threads)	-	4,634	-	6	-	4,640	4,640
Animal oils and fats (except marine) ..	-	53	27,975	-	27,975	53	28,028
Soyabean oil	-	-	576	-	576	-	576
Vegetable oils and fats, (except essential oils), n.e.s.	2,355	109	124	151	2,479	260	2,739
Metallic salts and peroxy salts, of inorganic acids	68	279	-	158	68	437	505
Inorganic chemicals, n.e.s.	2,434	907	7,727	3,823	10,161	4,730	14,891
Organic chemicals, n.e.s.	936	2,968	441	534	1,377	3,502	4,879
Fertilizers and fertilizer materials n.e.s.	6,044	-	-	3	6,044	3	6,047
Synthetic rubber (including rubber compounds and reclaimed rubber)	-	517	1,014	2,664	1,014	3,181	4,195
Chemical specialties, industrial, n.e.s.	68	1,687	1,805	2,407	1,873	4,094	5,967
Gasoline	24,001	-	3,960	-	27,961	-	27,961
Fuel oil	285,544	-	15,380	2	300,924	2	300,926
Lubricating oils and greases	19,504	14	206	585	19,710	599	20,309
Coke of petroleum and coal	-	17	7,221	-	7,221	17	7,238
Coal tar and coal pitch	-	-	7,961	23	7,961	23	7,984
Petroleum and coal products, n.e.s.	-	97	-	64	-	161	161
Ferro-alloys	7,499	847	-	-	7,499	847	8,346
Pig iron	41,587	-	-	-	41,587	-	41,587
Bars and rods, steel	9,231	105,706	-	556	9,231	106,262	115,493
Plate, sheet and strip, steel	-	237,066	-	2,456	-	239,522	239,522
Structural shapes and sheet piling	9,412	146,912	-	650	9,412	147,562	156,974
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	-	5,910	-	57	-	5,967	5,967
Wire (including wire rope)	-	17,746	-	729	-	18,475	18,475
Aluminum (including alloys)	-	10,383	-	1,693	-	12,076	12,076
Metal fabricated basic products	-	18,537	2,334	902	2,334	19,439	21,773
Glass basic products	-	7,267	-	223	-	7,490	7,490
Cement	219	33	-	9	219	42	261
Non-metallic mineral basic products, n.e.s.	601	4,802	-	574	601	5,376	5,977
Machinery, n.e.s.	-	5,585	-	5,447	-	11,032	11,032
Passenger automobiles and chassis	-	4,790	-	3,253	-	8,043	8,043
Trucks, truck chassis and truck tractors, commercial	-	354	-	306	-	660	660
Motor vehicles engines, accessories, parts and assemblies	-	2,038	-	3,110	-	5,148	5,148
Miscellaneous end products, inedible, n.e.s.	1,349	7,562	-	3,569	1,349	11,131	12,480
Domestic package freight	27,187	-	50,943	-	78,130	-	78,130
Other	18,350	47,241	30,788	20,179	49,138	67,420	116,558
Total freight carried	2,412,417	731,865	2,665,197	94,212	5,077,614	826,077	5,903,691

(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, October 1965

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Meat, fresh, chilled or frozen	-	119	-	6,479	-	6,598	6,598
Butter	-	-	-	-	-	-	-
Milk powder	-	-	-	17,619	-	17,619	17,619
Barley	-	-	225,772	-	225,772	-	225,772
Corn	-	-	180,083	-	180,083	-	180,083
Oats	-	-	153,197	-	153,197	-	153,197
Rye	-	-	9,115	-	9,115	-	9,115
Wheat	-	-	1,280,507	-	1,280,507	-	1,280,507
Corn meal and flour	-	-	1,606	4	1,606	4	1,610
Malt and malt flour	-	-	11,599	-	11,599	-	11,599
Wheat flour	-	-	7,250	-	7,250	-	7,250
Cereals milled, n.e.s.	-	3	2,787	-	2,787	3	2,790
Dried and dehydrated fruits	-	-	-	-	-	-	-
Fruits and preparations, canned (except infant foods)	-	4,906	-	15	-	4,921	4,921
Vegetables, dried	7	12	22,287	-	22,294	12	22,306
Raw sugar	2,051	-	-	-	2,051	-	2,051
Molasses, crude	4,480	-	-	-	4,480	-	4,480
Syrup	-	-	-	-	-	-	-
Lard	-	-	4,922	357	4,922	357	5,279
Hulls, screenings, chaff and scourings	-	-	12,250	-	12,250	-	12,250
Ground cereals and by-products n.e.s.	-	-	22,585	-	22,585	-	22,585
Soyabean oil meal and cake	-	-	12,114	-	12,114	-	12,114
Oil seed meals and cake, n.e.s.	-	-	38,670	-	38,670	-	38,670
Feeds of vegetable origin, n.e.s.	-	-	2,693	-	2,693	-	2,693
Ale, beer, stout and porter	-	1,344	-	7	-	1,351	1,351
Wines	-	5,778	-	-	-	5,778	5,778
Distilled alcoholic beverages	-	5,751	-	241	-	5,992	5,992
Raw hides and skins and undressed fur skins	-	324	-	4,941	-	5,265	5,265
Flaxseed	-	-	28,282	-	28,282	-	28,282
Soya beans	-	-	354,899	-	354,899	-	354,899
Rubber and allied gums, natural, and natural gums and resins	-	7,642	-	-	-	7,642	7,642
Logs	-	-	2,536	-	2,536	-	2,536
Pulpwood	67,765	-	-	-	67,765	-	67,765
Alumina and bauxite ore	31,072	-	-	-	31,072	-	31,072
Iron ore, crude, and concentrates, calcined, roasted or treated	1,412,422	-	360,938	-	1,773,360	-	1,773,360
Manganese ore	10,817	-	-	-	10,817	-	10,817
Ores, concentrates and precipitates, n.e.s.	-	-	-	-	-	-	-
Iron and steel scrap	-	-	11,891	-	11,891	-	11,891
Coal, bituminous, sub-bituminous, and lignite	-	-	1,157,601	-	1,157,601	-	1,157,601
Bentonite	-	-	17,215	3	17,215	3	17,218
Dolomite	-	-	-	-	-	-	-
Clay and other crude refractory materials, n.e.s.	-	-	17,294	-	17,294	-	17,294
Sand and gravel	15,760	-	10,888	-	26,648	-	26,648
Limestone	42,593	-	-	-	42,593	-	42,593
Crushed stone, including stone refuse (except limestone flux and crushed limestone)	-	-	9,400	-	9,400	-	9,400
Fluorspar	70,514	-	-	-	70,514	-	70,514
Gypsum	19,892	-	-	-	19,892	-	19,892
Salt	2,000	-	-	-	2,000	-	2,000
Sulphur in ores, crude and refined (except pharmaceutical grade)	-	-	140,511	-	140,511	-	140,511
Crude non-metallic minerals (except coal and petroleum), n.e.s.	7,293	28	513	16	7,806	44	7,850
Veneer, plywood and wood building boards	-	5,408	-	61	-	5,469	5,469
Pulp	20,554	-	1,287	-	21,841	-	21,841
Newsprint paper	-	72,090	-	3,516	-	75,606	75,606
Cordage, twine and rope (except braided cords and threads)	-	4,080	-	-	-	4,080	4,080
Animal oils and fats (except marine) ..	-	13	26,436	-	26,436	13	26,449
Vegetable oils and fats, except essential oils, n.e.s.	1,583	39	-	151	1,583	190	1,773
Metallic salts and peroxy salts, of inorganic acids	-	77	-	158	-	235	235
Inorganic chemicals, n.e.s.	2,351	384	31,294	1,992	33,645	2,376	36,021
Organic chemicals, n.e.s.	897	1,975	441	455	1,338	2,430	3,768

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, October 1965 - Concluded

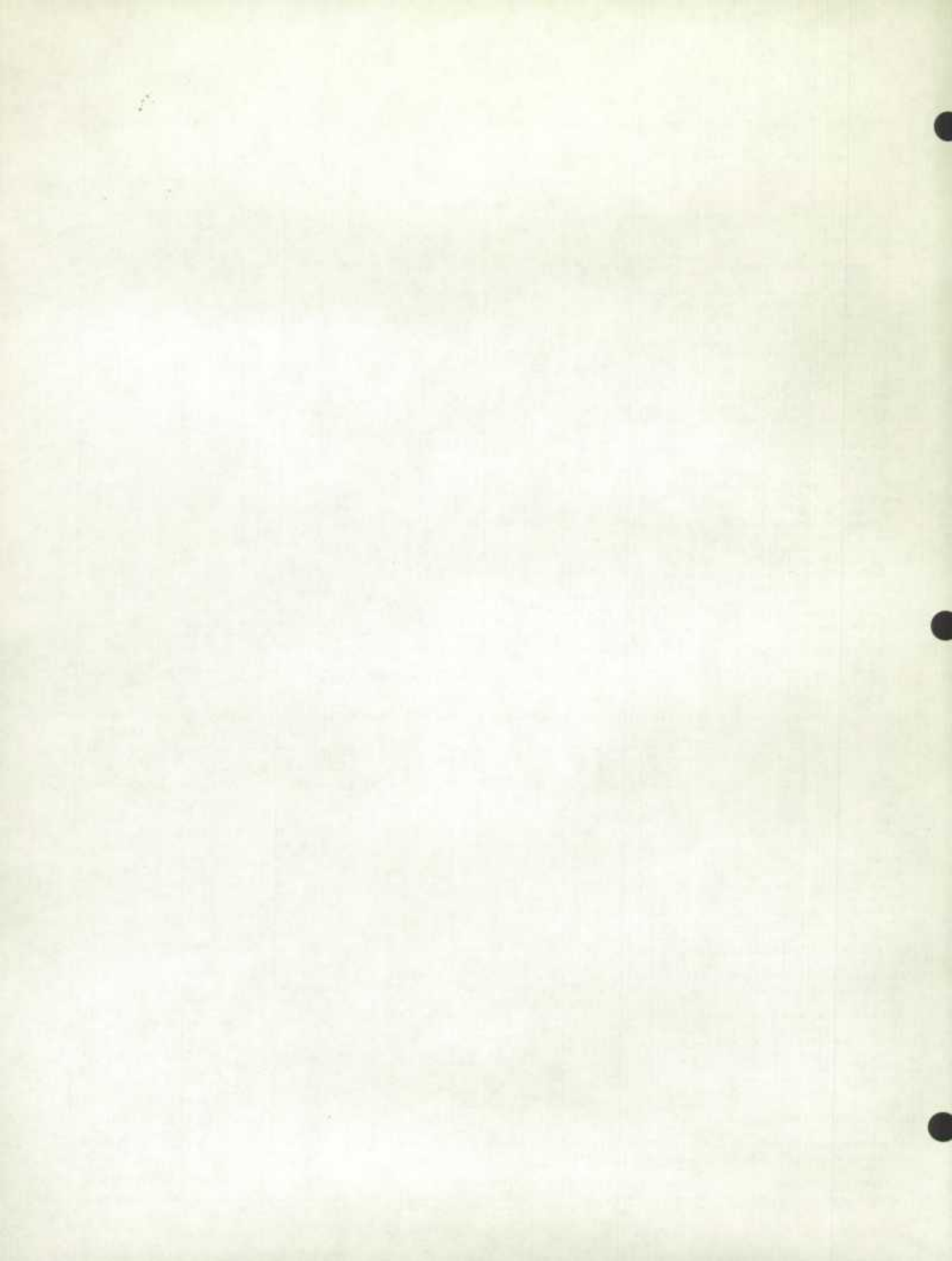
Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
tons							
Synthetic rubber (including rubber compounds and reclaimed rubber	-	-	1,014	2,646	1,014	2,646	3,660
Chemical specialties, industrial, n.e.s.	-	1,140	1,785	2,119	1,785	3,259	5,044
Gasoline	31,381	-	8,293	-	39,674	-	39,674
Fuel oil	111,734	-	43,631	2	155,365	2	155,367
Lubricating oils and greases	8,661	-	206	585	8,867	585	9,452
Coke of petroleum and coal	-	-	13,105	-	13,105	-	13,105
Coal tar and coal pitch	-	-	10,527	23	10,527	23	10,550
Petroleum and coal products, n.e.s.	-	66	1,705	50	1,705	116	1,821
Ferro-alloys	7,499	805	-	-	7,499	805	8,304
Pig iron	41,587	-	-	-	41,587	-	41,587
Bars and rods, steel	9,231	87,735	-	55	9,231	87,790	97,021
Plate, sheet and strip, steel	-	192,067	-	202	-	192,269	192,269
Structural shapes and sheet piling	9,412	122,579	-	33	9,412	122,612	132,024
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	-	4,185	-	55	-	4,240	4,240
Wire (including wire rope)	-	15,862	-	122	-	15,984	15,984
Aluminum (including alloys)	-	10,313	-	427	-	10,740	10,740
Metal fabricated basic products	-	14,962	2,334	597	2,334	15,559	17,893
Glass basic products	-	5,588	-	223	-	5,811	5,811
Cement	2,495	-	11,544	9	14,039	9	14,048
Non-metallic mineral basic products, n.e.s.	601	3,121	-	406	601	3,527	4,128
Machinery, n.e.s.	-	3,416	-	4,804	-	8,220	8,220
Passenger automobiles and chassis	-	1,434	-	3,231	-	4,665	4,665
Trucks, truck chassis and truck tractors, commercial	-	300	-	236	-	536	536
Motor vehicle engines, accessories, parts and assemblies	-	1,318	-	2,755	-	4,073	4,073
Miscellaneous end products, inedible, n.e.s.	63	2,985	-	3,123	63	6,108	6,171
Domestic package freight	29,460	-	32,086	-	61,546	-	61,546
Other freight	4,893	27,461	27,562	17,626	32,455	45,087	77,542
Total freight carried	1,969,068	605,310	4,312,655	75,344	6,281,723	680,654	6,962,377

(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, October 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	-	-	27,105	40,158	27,105	40,158
Pulpwood, lumber and logs	300	300	7,770	7,770	8,070	8,070
Wheat	-	-	7,094	1,533,254	7,094	1,533,254
Barley	-	-	9,480	291,988	9,480	291,988
Oats	-	-	1,443	221,228	1,443	221,228
Corn	-	-	-	23,901	-	23,901
Rye	-	-	3,273	19,514	3,273	19,514
Flaxseed	-	-	-	28,328	-	28,328
Soya beans	-	-	-	9,141	-	9,141
Flour	-	-	-	1,929	-	1,929
Mill products, screenings	-	-	17,793	119,270	17,793	119,270
Iron ore	-	6,020	-	8,119,323	-	8,125,343
Manufactured iron and steel	2,380	25,975	8,992	42,227	11,372	68,202
Pig iron	460	460	3,307	16,747	3,767	17,207
Scrap iron	-	-	4,480	11,315	4,480	11,315
Stone, broken, sand and gravel	-	273,298	12,860	12,860	12,860	286,158
Cement	2,495	31,873	-	-	2,495	31,873
Coal, bituminous	4,453	1,249,324	-	-	4,453	1,249,324
Coal, anthracite	-	11,820	-	-	-	11,820
Coke	-	-	-	-	-	-
Non-metallic minerals, mfrs.	-	47,378	-	-	-	47,378
Gasoline	-	42,296	-	7,535	-	49,831
Fuel oil	13,366	116,329	-	7,552	13,366	123,881
Other petroleum products	-	-	-	-	-	-
Motor vehicles	-	-	-	-	-	-
Miscellaneous merchandise	11,188	37,153	11,674	72,931	22,862	110,084
Domestic package freight	38,996	38,996	21,390	21,390	60,386	60,386
Total freight carried	73,638	1,881,222	136,661	10,608,361	210,299	12,489,583

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



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