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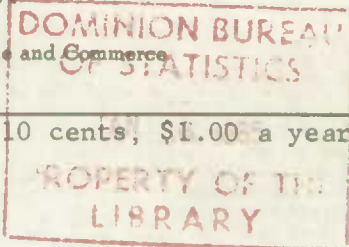
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MONTHLY

# DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Trade and Commerce



Vol. 45, No. 11

Price: 10 cents, \$1.00 a year

## SUMMARY OF CANAL STATISTICS

NOVEMBER 1964

Total freight transported through Canadian canals in November 1964 increased 23.4 per cent, to 11,856,792 tons from 9,609,586 tons in November 1963. Increased transportation of iron ore accounted for most of this increase. Vessel passages declined slightly, to 2,497 from 2,518, but the registered net tonnage of these vessels rose 7.8 per cent, to 8,595,163 tons from 7,971,236 tons in November 1963.

St. Lawrence Canals: The tonnage of freight transported increased 26.8 per cent, to 5,305,865 tons from 4,185,315 tons in the same month last year. Wheat shipments declined to 753,064 tons from 1,444,284 tons; iron ore shipments rose to 1,665,420 tons from 502,423 tons, and coal increased to 142,694 tons from 121,928 tons. The movement of upbound freight increased to 2,686,200 tons from 1,239,623 tons, while downbound freight decreased to 2,619,665 tons from 2,945,692 tons. During the month a total of 1,044 vessels of 3,687,356 registered net tons passed through the Canals, compared with 1,039 vessels of 3,308,575 tons last year.

Welland Canal: Total freight transported increased 20.4 per cent, to 6,180,921 tons from 5,135,199 tons in November 1963. Shipments of iron ore expanded to 2,113,248 tons from 819,176 tons. Upbound freight increased 118.3 per cent, to 2,517,025 tons from 1,153,160 tons, while downbound freight decreased to 3,663,896 tons from 3,982,039 tons. Vessel passages declined to 974 from 1,014, but registered net tonnage of these vessels increased to 4,341,963 tons from 4,269,888 tons.

Sault Ste Marie Canals - Canadian and United States Locks: The total volume of freight transported through the combined system increased 3.8 per cent, to 9,321,939 tons from 8,975,704 tons in the same month last year. Wheat shipments decreased to 1,020,511 tons from 1,923,971 tons, and iron ore increased to 6,090,444 tons from 4,764,801 tons. Total upbound traffic through the combined system increased 10.5 per cent, to 1,344,488 tons from 1,216,631 tons, and downbound traffic increased to 8,112,828 tons from 7,759,073 tons. Vessel passages rose to 1,615 from 1,525 in the previous year.

Transportation Section  
Public Finance and Transportation Division

January 1965  
8504-517

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

Canal	November 1964			1963	Cumulative	Cumulative
	Number of vessel passages	Registered net tonnage of vessels	Tonnage of freight	Tonnage of freight	Tonnage of freight 1964	Tonnage of freight 1963
St. Peter's Canal .....	16	453	58	3	480	545
Canso Canal .....	137	186,876	224,381	154,612	1,245,179	1,134,542
Richelieu River Canals .....	85	15,351	10,188	10,881	92,138	68,544
St. Lawrence Canals .....	1,044	3,687,356	5,305,865	4,185,315	38,987,183	30,157,275
Ottawa River Canals .....	8	1,023	-	2,590	12,681	7,655
Rideau Canal .....	-	-	-	-	-	-
Murray Canal .....	5	95	-	-	-	-
Trent Canal .....	-	-	-	-	64	60
Welland Canal .....	974	4,341,963	6,180,921	5,135,199	49,815,109	39,416,438
Sault Ste. Marie Canal - Can. lock ..	226	362,026	135,377	90,569	905,820	810,537
St. Andrew's Canal .....	2	20	2	417	3,007	3,814
Totals .....	2,497	8,595,163	11,856,792	9,609,586	91,061,661	71,599,410
Sault Ste. Marie Canal - U.S. locks	1,389	..	9,186,562	8,885,135	91,221,467	82,807,117

.. Figures not available.

TABLE 2. Tonnes of Freight Transported through the St. Lawrence Canals, by Commodity, by Direction, and by Type of Cargo, November 1964

Commodity	Upbound(l)		Downbound(l)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations .....	-	512	-	9,283	-	9,795	9,795
Fish and marine animals .....	-	2,386	-	18	-	2,404	2,404
Butter .....	-	12	-	2,527	-	2,539	2,539
Milk powder .....	-	451	-	44,809	-	45,260	45,260
Barley .....	28,887	-	162,795	-	191,682	-	191,682
Corn .....	-	-	600,831	-	600,831	-	600,831
Oats .....	-	-	32,962	-	32,962	-	32,962
Rye .....	-	-	560	-	560	-	560
Wheat .....	1,680	-	751,384	-	753,064	-	753,064
Corn meal .....	-	-	19,006	-	19,006	-	19,006
Malt .....	-	-	10,649	-	10,649	-	10,649
Flour, wheat .....	-	-	28,875	-	28,875	-	28,875
Fruits and fruit preparations .....	-	5,198	-	3,623	-	8,821	8,821
Beans and peas, dried .....	139	4	27,758	-	27,897	4	27,901
Sugar, raw .....	28,008	-	2,775	-	30,783	-	30,783
Molasses, crude and refined .....	9,662	-	-	-	9,662	-	9,662
Lard .....	-	-	31,531	2,080	31,531	2,080	33,611
Soyabean oil cake and meal .....	7,066	-	64,621	3,243	71,687	3,243	74,930
Feeds of vegetable origin .....	1	-	11,186	101	11,187	101	11,288
Feeds of animal origin .....	-	-	-	272	-	272	272
Ale, beer, stout and porter .....	-	1,618	-	46	-	1,664	1,664
Wines .....	-	6,531	-	39	-	6,570	6,570
Distilled alcoholic beverages .....	-	4,475	-	29	-	4,504	4,504
Raw hides and skins .....	1,005	924	4,021	13,104	5,026	14,028	19,054
Flaxseed .....	-	-	82,451	-	82,451	-	82,451
Soyabeans .....	-	-	75,303	-	75,303	-	75,303
Rubber, natural .....	-	12,171	-	-	-	12,171	12,171
Logs and round timber .....	-	-	-	-	-	-	-
Pulpwood .....	1,664	-	-	-	1,664	-	1,664
Aluminum ore and concentrates .....	-	-	-	-	-	-	-
Iron ore .....	1,647,668	-	17,752	-	1,665,420	-	1,665,420
Iron and steel scrap .....	586	-	62,226	-	62,812	-	62,812
Non-ferrous metal scrap .....	-	-	-	3,291	-	3,291	3,291
Coal, bituminous .....	50,026	-	92,668	-	142,694	-	142,694
Petroleum, crude .....	-	-	-	-	-	-	-
Bentonite .....	-	-	9,509	-	9,509	-	9,509
Stone, crushed and broken .....	-	-	127	-	127	-	127
Gypsum .....	7,890	-	-	-	7,890	-	7,890
Phosphate rock .....	7,201	-	-	-	7,201	-	7,201
Salt .....	-	114	43,017	-	43,017	114	43,131
Sulphur .....	13,452	-	-	-	13,452	-	13,452
Wood fabricated materials .....	2,372	8,671	575	2,707	2,947	11,378	14,325
Woodpulp .....	10,857	-	1,574	-	12,431	-	12,431
Newsprint paper .....	-	49,297	-	3,138	-	52,435	52,435
Cordage, twine and rope .....	-	1,141	-	-	-	1,141	1,141

See note at end of table.

TABLE 2. Tonnages of Freight Transported through the St. Lawrence Canals, by Commodity, by Direction, and by Type of Cargo, November 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Animal oils and fats (ex. marine) ...	-	24	22,752	66	22,752	90	22,842
Soyabean oil .....	-	-	4,206	-	4,206	-	4,206
Fertilizers .....	4,409	122	-	230	4,409	352	4,761
Rubber, synthetic and reclaimed .....	-	256	-	7,014	-	7,270	7,270
Chemical products .....	29,836	8,925	26,315	18,232	56,151	27,157	83,308
Gasoline .....	23,223	-	-	-	23,223	-	23,223
Fuel oil .....	243,693	2	7,658	-	251,351	2	251,353
Lubricating oils and greases .....	34,850	15	-	1,008	34,850	1,023	35,873
Coke .....	-	-	26,210	-	26,210	-	26,210
Tar, pitch and creosote .....	-	41	5,004	-	5,004	41	5,045
Ferro-alloys .....	189	923	-	-	189	923	1,112
Pig iron .....	26,060	-	-	-	26,060	-	26,060
Iron and steel - Ingot, bar and rod .....	584	56,696	584	921	1,168	57,617	58,785
Steel - Plate, sheet and strip .....	17	83,309	150	13,687	167	96,996	97,163
Structural shapes and sheet piling ..	2,226	62,288	2,226	296	4,452	62,584	67,036
Iron and steel - Pipes and fittings ..	-	6,298	-	425	-	6,723	6,723
Wire and wire rope .....	-	22,748	-	183	-	22,931	22,931
Aluminum - Bar, ingot, pig and slab ..	-	2,067	-	792	-	2,859	2,859
Glass - Plate, sheet and structural ..	220	6,415	220	511	440	6,926	7,366
Machinery, equipment and parts .....	86	10,787	111	16,613	197	27,400	27,597
Motor vehicles and parts .....	10	9,698	10	12,330	20	22,028	22,048
Domestic package freight .....	29,665	-	67,556	-	97,221	-	97,221
Total freight carried .....	2,270,201	415,999	2,421,727	197,938	4,691,928	613,937	5,305,865(2)

(1) In previous years upbound was referred to as westbound, and downbound was referred to as eastbound.  
 (2) Includes 21,489 tons of non-toll traffic using only the Lachine canal.

TABLE 3. Tonnages of Freight Transported through the Welland Canal, by Commodity, by Direction, and by Type of Cargo, November 1964

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations .....	-	188	-	8,256	-	8,444	8,444
Fish and marine animals .....	-	1,343	-	2,527	-	3,870	3,870
Butter .....	-	12	-	-	-	12	12
Milk powder .....	-	-	-	43,245	-	43,245	43,245
Barley .....	28,887	-	186,175	-	215,062	-	215,062
Corn .....	-	-	640,062	-	640,062	-	640,062
Oats .....	-	-	36,645	-	36,645	-	36,645
Rye .....	-	-	560	-	560	-	560
Wheat .....	3,659	-	749,402	-	753,061	-	753,061
Corn meal .....	-	-	19,006	-	19,006	-	19,006
Malt .....	-	-	10,649	-	10,649	-	10,649
Flour, wheat .....	1,142	-	28,875	-	30,017	-	30,017
Fruits and fruit preparations .....	-	2,850	-	3,199	-	6,049	6,049
Beans and peas, dried .....	18	-	26,088	-	26,106	-	26,106
Sugar, raw .....	4,395	-	2,775	-	7,170	-	7,170
Molasses, crude and refined .....	15,159	-	2,398	-	17,557	-	17,557
Lard .....	-	-	31,531	2,080	31,531	2,080	33,611
Soyabean oil cake and meal .....	113	-	30,103	33	30,216	33	30,249
Feeds of vegetable origin .....	-	-	11,186	-	11,186	-	11,186
Feeds of animal origin .....	-	-	-	135	-	135	135
Ale, beer, stout and porter .....	-	1,318	-	46	-	1,364	1,364
Wines .....	-	5,604	-	2	-	5,606	5,606
Distilled alcoholic beverages .....	-	3,976	-	29	-	4,005	4,005
Raw hides and skins .....	1,057	675	3,066	10,491	4,123	11,166	15,289
Flaxseed .....	-	-	84,428	-	84,428	-	84,428
Soyabeans .....	-	-	142,648	-	142,648	-	142,648
Rubber, natural .....	-	9,621	-	-	-	9,621	9,621
Logs and round timber .....	-	-	-	-	-	-	-
Fulwood .....	1,664	-	-	-	1,664	-	1,664
Aluminum ore and concentrates .....	-	-	-	-	-	-	-
Iron ore .....	1,753,305	-	359,943	-	2,113,248	-	2,113,248
Iron and steel scrap .....	586	-	49,422	-	50,008	-	50,008
Non-ferrous metal scrap .....	-	-	-	1,883	-	1,883	1,883
Coal, bituminous .....	-	-	664,097	-	664,097	-	664,097
Bentonite .....	-	-	9,509	-	9,509	-	9,509
Sand and gravel .....	3,203	-	12,065	-	15,268	-	15,268

See note at end of table.



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TABLE 3. Tonnages of Freight Transported through the Welland Canal, by Commodity, by Direction, and by Type of Cargo,  
November 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
tons							
Stone, crushed and broken .....	136,523	-	9,625	-	146,148	-	146,148
Salt .....	-	-	80,884	-	80,884	-	80,884
Sulphur .....	13,452	-	-	-	13,452	-	13,452
Wood fabricated materials .....	8	5,867	8	1,677	16	7,544	7,560
Woodpulp .....	10,857	-	1,263	-	12,120	-	12,120
Newsprint paper .....	-	63,778	-	1,492	-	65,270	65,270
Cordage, twine and rope .....	-	992	-	-	-	992	992
Animal oils and fats (Ex. marine) ...	-	24	21,332	66	21,332	90	21,422
Soyabean oil .....	-	-	-	-	-	-	-
Sodium products .....	-	155	-	1,285	-	1,440	1,440
Rubber, synthetic and reclaimed .....	-	28	-	7,014	-	7,042	7,042
Chemical products .....	21,074	2,484	40,282	15,172	61,356	17,656	79,012
Gasoline .....	10,751	-	5,554	-	16,305	-	16,305
Fuel oil .....	24,776	-	64,307	-	89,083	-	89,083
Lubricating oils and greases .....	23,635	-	-	889	23,635	889	24,524
Coke .....	-	-	29,095	-	29,095	-	29,095
Tar, pitch and creosote .....	5,196	41	5,004	-	10,200	41	10,241
Ferro-alloys .....	166	126	-	-	166	126	292
Pig iron .....	26,060	-	-	-	26,060	-	26,060
Iron and steel - Ingot, bar and rod .....	-	44,381	-	686	-	45,067	45,067
Steel - Plate, sheet and strip .....	-	78,057	-	3,813	-	81,870	81,870
Structural shapes and sheet piling ..	-	47,259	-	100	-	47,359	47,359
Iron and steel - Pipes and fittings .....	-	5,067	-	86	-	5,153	5,153
Wire and wire rope .....	-	21,410	-	164	-	21,574	21,574
Aluminum - Bar, ingot, pig and slab .....	-	2,067	-	5	-	2,072	2,072
Glass - Plate, sheet and structural .....	-	4,407	-	511	-	4,918	4,918
Cement .....	1,953	18	6,729	-	8,682	18	8,700
Machinery, equipment and parts .....	-	5,724	-	15,636	-	21,360	21,360
Motor vehicles and parts .....	-	6,174	-	12,870	-	19,044	19,044
Domestic package freight .....	26,438	-	32,257	-	58,695	-	58,695
Total freight carried .....	2,175,241	341,784	3,507,605	156,291	5,682,846	498,075	6,180,921

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

TABLE 4. Tonnages of Freight Transported through the Sault Ste. Marie Canals, by Commodity and by Direction,  
November 1964

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						
Barley .....	-	-	1,178	297,929	1,178	297,929
Corn .....	-	-	-	102,061	-	102,061
Oats .....	-	-	-	91,464	-	91,464
Rye .....	-	-	-	2,240	-	2,240
Wheat .....	-	-	-	1,020,511	-	1,020,511
Flour, wheat .....	-	-	1,653	15,435	1,653	15,435
Cereals, milled, n.e.s. ....	-	-	719	119,605	719	119,605
Flaxseed .....	-	-	-	67,183	-	67,183
Pulpwood, lumber and logs .....	450	450	-	9,600	450	10,050
Iron ore .....	-	-	-	6,090,444	-	6,090,444
Iron and steel scrap .....	-	-	-	30,821	-	30,821
Coal, anthracite .....	-	-	-	-	-	-
Coal, bituminous .....	5,266	815,629	-	-	5,266	815,629
Sand, gravel and stone .....	-	-	-	1,000	-	1,000
Non-metallic minerals, mfrs .....	-	-	-	-	-	-
Paper and woodpulp .....	-	-	20,193	35,525	20,193	35,525
Gasoline .....	10,536	29,174	-	10,344	10,536	39,518
Fuel oil .....	30,924	98,642	-	2,130	30,924	100,772
Coke .....	-	8,560	-	-	-	8,560
Other petroleum products .....	-	-	-	-	-	-
Pig iron .....	-	-	254	22,829	254	22,829
Iron and steel, manufactured .....	-	43,325	11,145	39,325	11,145	82,650
Cement .....	-	25,728	-	-	-	25,728
Motor vehicles .....	-	82	-	-	-	82
Miscellaneous freight .....	353	236,669	25,345	77,873	25,698	314,542
Domestic package freight .....	19,350	19,350	8,011	8,011	27,361	27,361
Total freight carried .....	66,879	1,277,609	68,498	8,044,330	135,377	9,321,939

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