

CATALOGUE No.

54-001

MONTHLY

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Trade and Commerce

DEC 1964
PROPERTY OF THE
DOMINION BUREAU OF STATISTICS

Vol. 45, No. 10

Price: 10 cents, \$1.00 a year

SUMMARY OF CANAL STATISTICS

OCTOBER 1964

The total volume of freight moved through Canadian canals in October 1964 increased 15.0 per cent, to 11,357,177 tons from 9,876,497 tons in October 1963. Increased transportation of iron ore and other grain accounted for most of this increase. Vessel passages declined slightly, to 2,661 from 2,684, but the registered net tonnage of these vessels rose 11.2 per cent, to 8,447,867 tons from 7,594,181 tons in October last year.

St. Lawrence Canals: Total freight transported increased 11.1 per cent, to 4,705,800 tons from 4,231,641 tons in the corresponding month last year. Wheat shipments declined to 619,288 tons from 1,246,024 tons; iron ore shipments increased to 1,430,980 tons from 985,527 tons, and other grain increased to 701,809 tons from 448,882 in October 1963. The movement of upbound freight increased to 2,462,336 tons from 1,780,888 tons, while downbound freight decreased to 2,243,464 tons from 2,450,753 tons. Vessel passages declined to 945 from 1,020, but registered net tonnage of these vessels rose 11.4 per cent, to 3,289,289 tons from 2,951,342 tons.

Welland Canal: The tonnage of freight transported increased 17.6 per cent, to 6,272,836 tons from 5,333,301 tons in the same month last year. Wheat shipments decreased to 632,805 tons from 1,245,740 tons. Iron ore shipments increased to 2,162,861 tons from 1,475,844 tons. Upbound freight was up 44.0 per cent, to 2,460,521 tons from 1,708,316 tons, while downbound freight increased to 3,812,315 tons from 3,624,985 tons. During the month a total of 992 vessels of 4,559,518 registered net tons passed through the Canal, compared with 997 vessels of 4,107,210 tons.

Sault St. Marie Canals - Canadian and United States Locks: The total volume transported through the combined system decreased 2.0 per cent, to 11,791,155 tons from 12,035,661 tons moved in the same month last year. Iron ore shipments declined to 8,111,299 tons from 8,138,140 tons, and wheat decreased to 973,769 tons from 1,409,938 tons. Freight transported through the Canadian Lock increased to 171,202 tons from 125,008 tons. Total upbound traffic through the combined system decreased to 1,672,576 tons from 1,681,609 tons, and downbound traffic decreased to 10,118,579 tons from 10,354,052 tons. Vessel passages increased slightly, to 1,979 from 1,965 in the previous year.

Transportation Section
Public Finance and Transportation Division

December 1964
8504-517

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

Canal	October 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	37	555	151	3	422	542
Canso Canal	171	159,829	191,601	168,793	1,020,798	949,930
Richelieu River Canals	97	18,357	13,995	15,705	81,950	57,663
St. Lawrence Canals	945	3,289,289	4,705,800	4,231,641	33,681,318	25,971,960
Ottawa River Canals	27	2,484	1,100	1,468	12,681	5,065
Rideau Canal	-	-	-	-	-	-
Murray Canal	3	70	-	-	-	-
Trent Canal	10	38	8	12	64	60
Welland Canal	992	4,559,518	6,272,836	5,333,301	43,634,188	34,281,239
Sault Ste. Marie Canal - Can, lock ..	322	414,611	171,202	125,008	770,443	719,968
St. Andrew's Canal	57	3,116	484	566	3,005	3,397
Totals	2,661	8,447,867	11,357,177	9,876,497	79,204,869	61,989,824
Sault Ste. Marie Canal - U.S. locks	1,657	..	11,619,953	11,910,653	82,034,905	73,921,982

.. Figures not available.

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

Commodity	Upbound(l)		Downbound(l)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	656	-	6,498	-	7,154	7,154
Fish and marine animals	-	1,898	-	-	-	1,898	1,898
Butter	-	-	-	1,543	-	1,543	1,543
Milk powder	-	114	-	-	-	114	114
Barley	20,274	-	-	30,809	20,274	30,809	51,083
Corn	-	-	194,643	-	194,643	-	194,643
Oats	-	-	356,047	-	356,047	-	356,047
Rye	-	-	100,036	-	100,036	-	100,036
Wheat	2,352	-	616,936	-	619,288	-	619,288
Corn meal	-	-	20,326	-	20,326	-	20,326
Malt	-	-	12,839	-	12,839	-	12,839
Flour, wheat	2	-	23,867	-	23,869	-	23,869
Fruits and fruit preparations	-	10,370	-	1,751	-	12,121	12,121
Beans and peas, dried	44	-	18,937	-	18,981	-	18,981
Sugar, raw	26,041	-	-	-	26,041	-	26,041
Molasses, crude and refined	-	-	-	-	-	-	-
Lard	-	-	6,304	3,407	6,304	3,407	9,711
Soyabean oil cake and meal	-	-	36,048	-	36,048	-	36,048
Feeds of vegetable origin	-	-	-	153	-	153	153
Feeds of animal origin	-	-	-	163	-	163	163
Ale, beer, stout and porter	-	1,907	-	16	-	1,923	1,923
Wines	-	5,527	-	3	-	5,530	5,530
Distilled alcoholic beverages	-	7,045	-	32	-	7,077	7,077
Raw hides and skins	-	503	-	8,526	-	9,029	9,029
Flaxseed	-	-	82,525	-	82,525	-	82,525
Soyabeans	-	-	243,470	-	243,470	-	243,470
Rubber, natural	-	7,459	-	-	-	7,459	7,459
Logs and round timber	534	58	1,101	23	1,635	81	1,716
Pulpwood	28,937	-	-	-	28,937	-	28,937
Aluminum ore and concentrates	10,067	-	-	-	10,067	-	10,067
Iron ore	1,430,980	-	-	-	1,430,980	-	1,430,980
Iron and steel scrap	-	-	17,134	-	17,134	-	17,134
Non-ferrous metal scrap	-	-	-	2,480	-	2,480	2,480
Coal, bituminous	41,692	-	44,091	-	85,783	-	85,783
Petroleum, crude	-	-	-	-	-	-	-
Bentonite	-	-	5,595	-	5,595	-	5,595
Stone, crushed and broken	-	-	-	-	-	-	-
Gypsum	-	-	-	-	-	-	-
Phosphate rock	11,243	-	-	-	11,243	-	11,243
Salt	-	-	87,488	-	87,488	-	87,488
Sulphur	7,130	-	-	-	7,130	-	7,130
Wood fabricated materials	2,452	9,853	-	1,688	2,452	11,541	13,993
Woodpulp	8,969	-	-	-	8,969	-	8,969
Newsprint paper	-	47,260	-	3,592	-	50,852	50,852
Cordage, twine and rope	-	2,906	-	-	-	2,906	2,906

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, October 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Animal oils and fats (ex. marine) ...	52	-	24,131	-	24,183	-	24,183
Soyabean oil	-	-	1,000	-	1,000	-	1,000
Fertilizers	121	-	-	-	121	43	164
Rubber, synthetic and reclaimed	-	213	1,179	5,570	1,179	5,783	6,962
Chemical products	22,849	5,701	15,019	13,506	37,868	19,207	57,075
Gasoline	9,673	-	5,371	-	15,044	-	15,044
Fuel oil	245,899	-	11,123	-	257,022	-	257,022
Lubricating oils and greases	-	15	1,885	853	1,885	868	2,753
Coke	-	-	35,026	-	35,026	-	35,026
Tar, pitch and creosote	-	-	7,809	52	7,809	52	7,861
Ferro-alloys	20,722	-	-	-	20,722	-	20,722
Pig iron	64,791	-	74	-	64,865	-	64,865
Iron and steel - Ingot, bar and rod	-	62,603	-	986	-	63,589	63,589
Steel - Plate, sheet and strip	-	41,878	-	13,713	-	55,591	55,591
Structural shapes and sheet piling ..	-	82,599	-	19	-	82,618	82,618
Iron and steel - Pipes and fittings ..	-	6,404	-	581	-	6,985	6,985
Wire and wire rope	-	18,193	-	60	-	18,253	18,253
Aluminum - Bar, ingot, pig and slab ..	-	213	-	865	-	1,078	1,078
Glass - Plate, sheet and structural ..	-	8,655	-	215	-	8,870	8,870
Machinery, equipment and parts	235	10,451	880	13,884	1,115	24,335	25,450
Motor vehicles and parts	-	11,398	-	11,301	-	22,699	22,699
Domestic package freight	29,959	-	64,057	-	94,016	-	94,016
Total freight carried	2,071,397	390,939	2,101,103	142,361	4,172,500	533,300	4,705,800(2)

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

(2) Includes 12,943 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, October 1964

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	342	-	6,049	-	6,391	6,391
Fish and marine animals	-	1,309	-	-	-	1,309	1,309
Butter	-	-	-	1,543	-	1,543	1,543
Milk powder	-	-	-	30,594	-	30,594	30,594
Barley	20,274	-	206,392	-	226,666	-	226,666
Corn	-	-	393,323	-	393,323	-	393,323
Oats	-	-	108,236	-	108,236	-	108,236
Rye	-	-	-	-	-	-	-
Wheat	-	-	632,805	-	632,805	-	632,805
Corn meal	-	-	20,326	-	20,326	-	20,326
Malt	-	-	12,746	-	12,746	-	12,746
Flour, wheat	-	-	23,867	-	23,867	-	23,867
Fruits and fruit preparations	-	4,249	-	1,619	-	5,868	5,868
Beans and peas, dried	4	-	25,136	-	25,140	-	25,140
Sugar, raw	17,918	-	-	-	17,918	-	17,918
Molasses, crude and refined	7,037	-	-	-	7,037	-	7,037
Lard	-	-	6,304	3,407	6,304	3,407	9,711
Soyabean oil cake and meal	170	-	19,729	-	19,899	-	19,899
Feeds of vegetable origin	-	-	-	153	-	153	153
Feeds of animal origin	-	-	-	26	-	26	26
Ale, beer, stout and porter	-	1,798	-	16	-	1,814	1,814
Wines	-	4,234	-	1	-	4,235	4,235
Distilled alcoholic beverages	-	6,153	-	21	-	6,174	6,174
Raw hides and skins	-	449	-	6,644	-	7,093	7,093
Flaxseed	-	-	84,028	-	84,028	-	84,028
Soyabeans	-	-	297,613	-	297,613	-	297,613
Rubber, natural	-	6,081	-	-	-	6,081	6,081
Logs and round timber	-	58	1,101	23	1,101	81	1,182
Pulpwood	28,937	-	-	-	28,937	-	28,937
Aluminum ore and concentrates	10,067	-	-	-	10,067	-	10,067
Iron ore	1,494,203	-	668,658	-	2,162,861	-	2,162,861
Iron and steel scrap	-	-	11,413	-	11,413	-	11,413
Non-ferrous metal scrap	-	-	-	1,211	-	1,211	1,211
Coal, bituminous	-	-	755,357	-	755,357	-	755,357
Bentonite	-	-	5,595	-	5,595	-	5,595
Sand and gravel	-	-	12,843	-	12,843	-	12,843

See note at end of table.



1010702101

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Stone, crushed and broken	135,566	-	-	-	135,566	-	135,566
Salt	-	-	109,362	-	109,362	-	109,362
Sulphur	7,130	-	-	-	7,130	-	7,130
Wood fabricated materials	-	7,796	-	720	-	8,516	8,516
Woodpulp	8,521	-	-	-	8,521	-	8,521
Newspprint paper	-	59,180	-	3,535	-	62,715	62,715
Cordage, twine and rope	-	2,349	-	-	-	2,349	2,349
Animal oils and fats (Ex. marine) ...	8	-	23,612	-	23,620	-	23,620
Soyabean oil	-	-	1,000	-	1,000	-	1,000
Sodium products	-	338	5,420	1,071	5,420	1,409	6,829
Rubber, synthetic and reclaimed	-	7	1,179	5,375	1,179	5,382	6,561
Chemical products	22,753	1,721	25,290	11,530	48,043	13,251	61,294
Gasoline	43,603	-	9,992	-	53,595	-	53,595
Fuel oil	97,680	-	48,787	-	146,467	-	146,467
Lubricating oils and greases	9,734	-	1,885	853	11,619	853	12,472
Coke	-	-	41,873	-	41,873	-	41,873
Tar, pitch and creosote	2,488	-	21,050	52	23,538	52	23,590
Ferro-alloys	20,701	-	-	-	20,701	-	20,701
Pig iron	60,469	-	74	-	60,543	-	60,543
Iron and steel - Ingot, bar and rod ..	-	57,062	30	457	30	57,519	57,549
Steel - Plate, sheet and strip	-	40,832	-	7,369	-	48,201	48,201
Structural shapes and sheet piling ..	-	67,707	-	15	-	67,722	67,722
Iron and steel - Pipes and fittings ..	-	3,257	-	556	-	3,813	3,813
Wire and wire rope	-	12,242	-	41	-	12,283	12,283
Aluminum - Bar, ingot, pig and slab ..	-	202	-	99	-	301	301
Glass - Plate, sheet and structural ..	-	6,902	-	215	-	7,117	7,117
Cement	2,581	-	14,858	-	17,439	-	17,439
Machinery, equipment and parts	-	7,728	-	13,349	-	21,077	21,077
Motor vehicles and parts	-	9,112	-	10,788	-	19,900	19,900
Domestic package freight	36,882	-	29,517	-	66,399	-	66,399
Total freight carried	2,130,074	330,447	3,692,164	120,151	5,822,238	450,598	6,272,836

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

TABLE 4. Tonnes of Freight Transported through the Sault Ste. Marie Canals, by Commodity and by Direction, October 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	-	-	-	313,754	-	313,754
Corn	-	-	-	60,444	-	60,444
Oats	-	-	-	132,034	-	132,034
Rye	-	-	-	43,323	-	43,323
Wheat	-	-	1,610	973,769	1,610	973,769
Flour, wheat	-	-	-	6,252	-	6,252
Cereals, milled, n.e.s.	-	-	12,347	121,890	12,347	121,890
Flaxseed	-	-	-	115,726	-	115,726
Pulpwood, lumber and logs	450	450	-	9,600	450	10,050
Iron ore	-	-	-	8,111,299	-	8,111,299
Iron and steel scrap	-	243,661	-	19,011	-	262,672
Coal, anthracite	-	14,847	-	-	-	14,847
Coal, bituminous	5,208	1,104,488	-	-	5,208	1,104,488
Sand, gravel and stone	-	18,603	17,640	17,640	17,640	36,243
Non-metallic minerals, mfrs	6,660	21,660	-	-	6,660	21,660
Paper and woodpulp	-	-	20,441	35,362	20,441	35,362
Gasoline	25,425	52,607	6,826	17,094	32,251	69,701
Fuel oil	36,394	109,073	3,383	8,308	39,777	117,381
Coke	-	-	-	-	-	-
Other petroleum products	-	-	-	-	-	-
Pig iron	-	14,483	136	6,953	136	21,436
Iron and steel, manufactured	38	11,509	8,130	42,953	8,168	54,462
Cement	-	-	-	-	-	-
Motor vehicles	-	2,107	-	-	-	2,107
Miscellaneous freight	269	62,387	3,530	77,153	3,799	139,540
Domestic package freight	16,701	16,701	6,014	6,014	22,715	22,715
Total freight carried	91,145	1,672,576	80,057	10,118,579	171,202	11,791,155

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