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DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA



Memorandum

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SUMMARY OF CANAL STATISTICSFOR DECEMBER, 1956 ANDSEASON OF NAVIGATION, 1956

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The amount of freight locked through the Canadian canal systems in December totalled 1,160,262 tons, an increase of 250,937 tons or 27.6 per cent more than the December 1955 total of 909,325 tons. Shipments of wheat and crude petroleum through the Welland Ship Canal and wheat through the St. Lawrence canals moved in higher volume this December.

The total volume of freight cleared through the eleven Canadian canals during the 1956 season of navigation amounted to 40,015,625 tons, a new record in recent years and an advance of 5,141,427 tons or 14.7 per cent over the 1955 total of 34,874,198 tons. The Sault Ste. Marie, Welland Ship, St. Lawrence and four of the smaller canals reported an increase in freight traffic

Sault Ste. Marie Canals - Canadian and United States Locks: Although the volume of freight through the Canadian lock during the 1956 season of navigation rose to 2,988,438 tons from 2,201,075 tons in 1955, the total shipped through the combined system declined to 109,097,606 tons from 114,553,735 in the previous year, a decrease of 5,456,129 tons or 4.8 per cent. This drop in tonnage was due to the strike in the United States steel industry which resulted in eastbound shipments of iron ore through the American locks decreasing to 78,702,824 tons from 89,209,421. Eastbound shipments of wheat increased to 8,620,291 tons from 6,227,891; barley rose to 2,488,294 tons from 2,083,607; oats advanced to 974,639 tons from 639,860 and cargoes of crude petroleum totalled 979,472 tons as against 600,976 in the 1955 season. Westbound shipments of bituminous coal increased to 10,238,048 tons from 9,053,769. The number of vessel passages declined to 21,309 from 21,941 while the registered net tonnage fell to 88,100,937 from 91,732,406.

Welland Ship Canal: The tonnage of freight carried through the Welland Ship canal amounted to 23,066,261 tons as compared with the total of 20,893,572 in the 1955 season, an increase of 2,172,689 tons or 10.4 per cent. Commodities contributing to the advance included: wheat, barley, rye, bituminous coal, iron ore, crude petroleum and fuel oil. Wheat shipments rose to 3,195,295 tons from 2,738,209; barley went to 1,314,163 tons from 1,234,722; bituminous coal advanced to 5,625,585 tons from 5,417,812; iron ore increased to 5,298,719 tons from 4,397,907; and crude petroleum totalled 1,199,744 tons as against 1,004,032 in the preceding season. Vessel passages numbered 9,360 aggregating 20,206,770 registered net tons, as compared with 9,334 vessels of 19,059,617 net tons in 1955.

St. Lawrence Canals: Total freight shipped through the St. Lawrence system during 1956 increased to 13,499,698 tons from 11,446,620 tons in the previous year, a gain of 2,053,078 tons or 17.9 per cent. Commodities which contributed to the increase include: wheat, corn, barley, bituminous coal, iron ore, crude petroleum and pulpwood. Wheat shipments advanced to 2,586,671 tons from 2,027,383; barley rose to 1,052,468 tons from 882,352; bituminous coal tonnage increased to 1,771,101 tons from 1,597,600; iron ore shipments rose to 2,616,041 tons from 1,750,567 and cargoes of crude petroleum totalled 319,063 tons as compared with 268,215 tons in the 1955 season.

Prepared in the Transportation and Public Utilities Section,
Public Finance and Transportation Division.

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SUMMARY OF CANAL STATISTICS

	DECEMBER, 1956					Cumulative Tons of freight - 1956
	Number of vessel passages	Registered net tonnage of vessels	Number of passengers	Number of pleasure craft	Tons of freight	
<u>ALL CANADIAN CANALS</u>	878	1,243,254	3	-	1,160,262	40,015,625
Canso Canal	175	25,919	-	-	9,676	68,295
Murray Canal	-	-	-	-	-	-
Ottawa River Canals	-	-	-	-	-	283,500
Richelieu River Canal	-	-	-	-	-	98,963
Rideau Canal	-	-	-	-	-	399
St. Andrew's Canal	-	-	-	-	-	8,082
St. Lawrence Canals	204	220,869	-	-	204,468	13,499,698
St. Peter's Canal	12	402	-	-	331	1,700
Sault Ste. Marie Canal	103	100,378	3	-	57,036	2,988,438
Trent Canal	-	-	-	-	-	289
Welland Ship Canal	384	895,686	-	-	888,751	23,066,261
		DECEMBER, 1955				Cumulative

<u>ALL CANADIAN CANALS</u>	660	944,190	-	-	90,325	34,874,198 x
Canso Canal	56	7,289	-	-	2,830	13,199
Murray Canal	-	-	-	-	-	667
Ottawa River Canals	-	-	-	-	-	206,525
Richelieu River Canal	1	204	-	-	215	97,130
Rideau Canal	-	-	-	-	-	413
St. Andrew's Canal	-	-	-	-	-	8,112
St. Lawrence Canals	177	140,636	-	-	124,939	11,446,620
St. Peter's Canal	7	298	-	-	83	6,783 x
Sault Ste. Marie Canals	86	87,854	-	-	72,260	2,201,075
Trent Canal	-	-	-	-	-	102
Welland Ship Canal	333	707,909	-	-	708,998	20,893,572 x

	DECEMBER, 1956		DECEMBER, 1955		Cumulative -1956	Cumulative - 1955
	Canadian lock	Canadian and U.S. locks	Canadian lock	Canadian and U.S. locks	Canadian and U.S. locks	Canadian and U.S. locks

SAULT STE. MARIE CANALS
EASTBOUND

Number of vessel passages	49	410	43	238	10,652	10,996
Registered net tonnage	32,438	1,653,948	40,775	661,939	44,039,770	45,874,816
Number of passengers	1	1	-	4	61,906	91,553 x

Commodities (Cargo tons)

Newsprint and wood pulp	2,650	4,724	954	954	194,662	198,866
Pulpwood	-	100	-	-	348,534	429,722
Wheat	3,897	987,111	21,484	779,338	8,620,291	6,227,891
Barley	7,049	230,954	7,143	141,954	2,488,294	2,083,607
Oats	7,943	73,871	3,845	29,371	974,639	639,860
Corn	-	1,680	-	-	3,042	124,562
Rye	-	28,875	364	13,479	491,613	311,184
Flaxseed	-	26,486	-	30,816	524,706	558,568
Flour	440	530	472	940	64,557	79,349
Other grain & mill products	5,733	9,636	5,811	27,465	292,244	239,645
Iron ore	-	1,943,175	-	234,024	78,702,824	89,209,421
Manufactured iron & steel	4,450	4,450	9,688	26,129	143,791	261,260 x
Fig iron	-	5,697	-	-	206,345	276,955 x
Scrap iron	-	37,476	-	9,296	314,886	256,913
Sand, gravel and stone	6,280	6,280	1,200	1,200	133,110	117,636
Petroleum, crude	2,750	2,750	-	-	979,472	600,976 x
Other petroleum products	-	-	2,200	2,200	43,039	25,564 x
All other freight	-	2,536	300	300	45,948	44,608 x
TOTAL FREIGHT	41,192	3,366,331	53,461	1,297,466	94,571,997	101,686,587 x

x Revised.

SUMMARY OF CANAL STATISTICS

	DECEMBER, 1956		DECEMBER, 1955		Cumulative - 1956	Cumulative - 1955
	Canadian lock	Canadian and U.S. locks	Canadian lock	Canadian and U.S. locks	Canadian and U.S. locks	Canadian and U.S. locks

SAULT STE. MARIE CANALS
WESTBOUND

Number of vessel passages	54	298	43	180	10,657	10,945
Registered net tonnage	67,940	1,131,981	47,079	409,518	44,061,167	45,857,590
Number of passengers	2	2	-	-	61,339	91,001 x

Commodities (Cargo tons)

Cement	-	-	-	-	167,901	177,746
Coal, bituminous	-	73,893	3,229	93,596	10,238,048	9,053,769 x
Coal, anthracite	-	-	-	-	458,295	300,085 x
Coke	-	-	-	-	21,672	45,445
Iron ore	-	-	-	5,628	382,784	187,444
Manufactured iron & steel	-	2,410	-	-	188,803	206,264
Salt	207	3,237	331	331	113,261	141,511
Sand, gravel and stone	-	39,743	-	10,448	1,653,633	1,515,452
Gasoline	-	-	3,200	3,200	375,130	349,325
Fuel oil	2,680	6,978	-	-	455,910	390,704 x
Other petroleum products	501	501	388	388	27,538	20,767 x
Autos, trucks & parts	275	494	113	377	39,268	54,608
All other freight	12,181	14,881	11,538	18,108	403,366	424,028
TOTAL FREIGHT	15,844	142,137	18,799	132,076	14,525,609	12,867,148 x

SAULT STE. MARIE CANALS
TOTAL

Number of vessel passages	103	708	86	418	21,309	21,941
Registered net tonnage	100,378	2,785,929	87,854	1,071,457	88,100,937	91,732,406
Number of passengers	3	3	-	4	123,245	182,554 x
Number of pleasure craft	-	-	-	-	513	585
Tons of freight	57,036	3,508,468	72,260	1,429,542	109,097,606	114,553,735

	DECEMBER, 1956			DECEMBER 1955	1956	1955
	Up	Down	Total	Total	Cumulative Total	

WELLAND SHIP CANAL

Number of vessel passages	185	199	384	333	9,360	9,334 x
Registered net tonnage	425,454	470,232	895,686	707,909	20,206,770	19,059,617 x
Number of passengers	-	-	-	-	114	85 x
Number of pleasure craft	-	-	-	-	11	43

Commodities (Cargo tons)

Wheat	-	161,078	161,078	132,045	3,195,295	2,738,209
Corn	-	40,011	40,011	30,896	293,536	214,023
Oats	-	3,995	3,995	19,207	319,024	317,544
Barley	-	45,606	45,606	46,626	1,314,163	1,234,722
Rye	-	-	-	-	253,792	186,268
Flaxseed	-	10,628	10,628	18,336	385,379	358,911
Other grain	-	58,568	58,568	46,028	296,315	246,971 x
Flour	-	-	-	-	6,505	14,733
Mill products	-	-	-	-	14,364	17,769 x
Coal, anthracite	-	-	-	-	-	4,466
Coal, bituminous	-	219,466	219,466	196,723	5,625,585	5,417,812
Coke	-	-	-	n.a.	27,612	13,398 x
Iron ore	2,823	17,656	20,479	14,790	5,298,719	4,397,907
Petroleum, crude	-	109,254	109,254	58,109	1,199,744	1,004,032
Sand, gravel and stone	7,844	-	7,844	3,899	134,232	172,076
Salt	-	-	-	n.a.	130,095	105,058
Pulpwood	4,700	-	4,700	-	524,614	509,566
Gasoline	10,637	3,422	14,059	15,598	334,977	422,926
Fuel oil	18,735	78,921	97,656	59,099	1,015,649	845,764
Petroleum oils & other petroleum prod.	-	11,200	11,200	1,400	446,760	450,555
Iron and steel	-	295	295	n.a.	124,930	172,459
Autos, trucks and parts	270	3	273	143	9,362	3,682
Wood pulp	4,800	-	4,800	-	72,288	53,385
Newsprint	14,805	-	14,805	14,550	356,890	367,761
Other manufactured products	1,070	5,785	6,855	n.a.	353,938	320,860
All other freight	14,283	42,896	57,179	51,549	1,332,493	1,302,715 x
TOTAL FREIGHT	79,967	808,784	888,751	708,998	23,066,261	20,893,572 x



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SUMMARY OF CANAL STATISTICS

	DECEMBER, 1956			DECEMBER 1955	1956	1955
	Up	Down	Total	Total	Cumulative Total	
<u>ST. LAWRENCE CANALS</u>						
Number of vessel passages	95	109	204	177	11,651	10,388
Registered net tonnage	105,282	115,587	220,869	140,636	14,273,755	9,046,487 x
Number of passengers	-	-	-	-	36	13 x
Number of pleasure craft	-	-	-	-	715	905
<u>Commodities (Cargo tons)</u>						
Wheat	-	62,373	62,373	16,955	2,586,671	2,027,383
Corn	-	16,189	16,189	9,534	193,464	141,556
Oats	-	5,070	5,070	10,659	196,585	192,723
Barley	-	14,587	14,587	4,592	1,052,468	882,352
Rye	-	-	-	-	163,770	186,472
Flaxseed	-	16,501	16,501	18,454	262,557	242,230
Other grain	-	800	800	-	35,015	36,963 x
Flour	-	-	-	92	6,374	13,520
Mill products	-	-	-	-	15,930	17,671 x
Coal, anthracite	-	-	-	-	2,688	3,887
Coal, bituminous	-	30,970	30,970	25,849	1,771,101	1,597,600
Coke	-	960	960	n.a.	16,380	8,287
Iron ore	1,933	-	1,933	-	2,616,041	1,750,567
Petroleum, crude	-	-	-	-	319,063	268,215
Sand, gravel and stone	-	-	-	-	285,075	243,242
Salt	-	-	-	n.a.	113,759	100,541
Pulpwood	-	-	-	-	486,756	438,614
Gasoline	-	1,700	1,700	1,300	107,500	101,616
Fuel oil	6,970	2,000	8,970	-	905,601	983,820
Petroleum oils & other petroleum prod.	-	1,600	1,600	-	138,317	129,755
Iron and steel	-	-	-	n.a.	97,963	64,344
Autos, trucks and parts	-	-	-	27	3,806	2,127
Wood pulp	2,600	-	2,600	-	55,220	35,679
Newsprint	-	-	-	-	164,645	170,810
Other manufactured products	3,800	-	3,800	n.a.	284,419	160,396
All other freight	9,552	26,863	36,415	37,477	1,618,530	1,646,250 x
TOTAL FREIGHT	24,855	179,613	204,468	124,939	13,499,698	11,446,620
<u>CANSO CANAL</u>						
Number of vessel passages	76	99	175	56	3,409	495
Registered net tonnage	8,771	17,148	25,919	7,289	249,100	31,104 x
Number of passengers	-	-	-	-	-	29
Number of pleasure craft	-	-	-	-	-	-
<u>Commodities (Cargo tons)</u>						
Grain	-	-	-	n.a.	-	-
Fruit and vegetables	-	1,340	1,340	" "	2,988	887
Fish	25	861	886	" "	15,188	5,672
Coal	25	-	55	" "	125	265
Coke	-	-	-	" "	-	-
Ores	-	-	-	" "	-	-
Pulpwood	-	600	600	" "	600	-
Gasoline	3,500	-	3,500	" "	16,094	2,110
Petroleum oils and other petroleum prod.	2,800	-	2,800	" "	15,723	1,615
Iron and steel	-	-	-	" "	-	-
Newsprint	-	-	-	" "	-	-
All other freight	495	-	495	" "	17,577	2,650
TOTAL FREIGHT	6,875	2,801	9,676	2,830	68,295	13,199