

MONTHLY



# DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

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### SUMMARY OF CANAL STATISTICS

September, 1960

Freight cleared through Canadian canals during September increased 2.5 per cent to 6,902,754 tons from 6,735,430 in September 1959. Heavier traffic was reported by the Welland, Sault Ste. Marie and five of the smaller canals. The number of vessel passages declined to 3,810 from 4,190 but the registered net tonnage increased to 5,997,259 tons from 5,889,578. Pleasure craft lockages dropped to 12,193 from 12,722 and the number of passengers declined to 25,876 from 28,271.

Sault Ste. Marie Canal's - Canadian and United States Locks: Freight transported through the combined system more than trebled, rising to 11,373,199 tons from 3,200,-781 in September last year. Iron ore shipments rose to 8,234,747 tons from 765,413, the steel strike accounting for the low figure in 1959. Traffic using the Canadian canal increased to 246,732 tons from 144,435. Eastbound freight through both canals totalled 9,947,910 tons as against 1,949,356 in the previous September, while westbound freight rose to 1,425,289 tons from 1,251,425. The number of vessel passages increased to 2,744 from 1,922 in September, 1959.

Welland Ship Canal: Total freight cleared through the Welland Ship Canal rose 16 per cent to 3,799,794 tons from 3,263,427 in September 1959. All grains showed increases with shipments of wheat up to 600,715 tons from 390,780 and, although iron ore westbound dropped to 504,369 tons from 927,079, eastbound shipments rose to 657,007 tons from 36,084. Total eastbound freight was up 51 per cent, rising to 2,769,933 tons from 1,836,262 while westbound freight declined 28 per cent to 1,029,-861 tons from 1,427,165. Although vessel passages dropped to 978 from 1,023 in September, 1959, the registered net tonnage increased to 3,072,637 tons from 2,598,-739.

St. Lawrence Canals: Freight transported through the St. Lawrence canals in September declined 14 per cent to 2,715,435 tons from 3,167,915 last year. Grain shipments at 922,201 tons were up by some 435,000, but shipments of iron ore declined to 510,839 tons from 1,402,048. Total eastbound freight rose 48 per cent to 1,582,-667 tons from 1,068,676 while westbound traffic dropped 46 per cent to 1,132,768 tons from 2,099,239. Vessel passages during the month totalled 1,545 with a registered net tonnage of 2,274,957 tons as against 1,788 vessels of 2,755,576 tons in September 1959.

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

8504-517-90

#### SUMMARY OF CANAL STATISTICS

	Number of vessel	Registered net tonnage	Number of	Number of pleasure	Tons
	passages	of vessels	passengers	craft	freight
		Sep	tember - 1960		
LL CANADIAN CANALS	3,810	5,997,259	25,876	12,193	6,902,75
			23,010	~2, ~73	0,702,75
Canso Canal	163	122,897	-	101	101,06
Murray Canal	21	5,404	-	333	
Ottawa River Canals	54	26,819	-	-	23,40
Richelieu River Canal Rideau Canal	106	16,928	11(1)	16	14,90
St. Andrew's Canal	12	508	123(2)	3,368	2
St. Lawrence Canals	83	4,720		244 2(4)	1,26
St. Peter's Canal	1,545	2,274,957	4,143		2,715,43
Sault Ste Marie Canal	85	2,102	00 7/1	3	12
	754	470,166	20,761		246,73
Trent Canal	9	121		8,126	1
Welland Ship Canal	978	3,072,637	834		3,799,79
ALL CANADIAN CANALS	4,190	5,889,578	28,271	12,722	6,735,43
Canso Canal	150	75,435		100	87,24
Murray Canal	24	3,950	_	321	0,,24
Ottawa River Canals	260	67,035	85	1,345	56,70
Richelieu River Canal	110	16,998	-	9	14,67
Rideau Canal	1	31	4	3,641	14,07
St. Andrew's Canal	102	6,239	80	182	89
St. Lawrence Canals	1,788	2,755,576	2,755	124	3,167,91
St. Peter's Canal	28	962	-,,,,,,	2	13
Sault Ste. Marie Canal	692	364,421	24,268	67	144,43
Trent Canal	12	192	24,200	6,911	144,43
Welland Ship Canal	1,023	2,598,739	1,079	20	3,263.42
	.,023	2,000,000	2,07	20	3,203.42
		Sep	(ember - 1960		
DAILT OWN MARTE ANALO					
EAST BOUND					
Canadian Lock	561	200,178	19,360		137,13
Can. & U.S. Locks	1,379	N.A.	20,397	-	9,947,91
GAULT STE. MARIE CANALS WEST BOUND					
WEST BOUND					
Canadian Lock	193	269,988	1,401	_	109,60
Can. & U.S. Locks	1,365	N.A.	19,325	•	1,425,28
AULT STE. MARIE CANALS					
TOTAL					
Canadian Lock - September - 1960	754	470,166	20,761		246,73
Can. & U.S. Locks - September - 1960	2,744	N.A.	39,722		11,373,19
Canadian Lock - September - 1959	692	364,421	24,268	67	
Can. & U.S. Locks - September - 1959	1,922	2,934,351	46,900	67	144,43 3,200,78
JELLAND SHIP CANAL	-,	-,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		3,200,10
	10-				
West Bound	487	1,563,430	443	-	2,769,93
	491	1,509,207	391		1,029,86
	978	3,072,637 2,598,739	834 1,079	20	3,799,79
Total - September - 1960 Total - September - 1959	1,023	-,,-	-,		2,203,42
Total - September - 1960 Total - September - 1959	1,023				
Total - September - 1960 Total - September - 1959 T. LAWRENCE CANALS					
Total - September - 1960 Total - September - 1959 T. LAWRENCE CANALS	770	1,175,644	2,095	1	1,582,66
Total - September - 1960 Total - September - 1959  T. LAWRENCE CANALS  East Bound West Bound		1,175,644 1,099,313	2,095 2,048	1 1	
Total - September - 1960 Total - September - 1959  T. LAWRENCE CANALS  East Bound	770				1,582,66 1,132,76 2,715,43

<sup>(1)</sup> Excludes 1,625 paying passengers on sightseeing cruises, and 9,344 passengers carried in pleasure craft (7,303 and 9,925 in 1959).

<sup>(3) 27,315</sup> carried in small boats (22,531 in 1959).

(4) Included with number of vessel passages.

One passenger through one lock station recorded as "1" one pleasure craft through one lock station recorded as "1". N.A. Not available.

## SUMMARY OF CANAL STATISTICS

September, 1960

COMMODITIES		r bound	WED	I BOUND	TOTAL		
	Canadian Lock	Canadian and U.S. Locks	Canadian Lock		Canadi <b>a</b> n Lock	Canadian an	
ULT STE. MARIE CANALS			- T O N S	-			
Wheat	31,545	861,545			31.545	0/1 5/5	
Corn	51,545	90,933		-	. ,	861,545	
Dats	1,313	151,409	-	-	1,313	90,933	
Barley	9,402	204,411	-	-	9,402	151,409	
Rye		19,210	-	**	7,402	204,41	
Flour	4,264	11,297	62	62	4,326	11,359	
Mill products, other	15,497	121,259	02	- 02	,		
Flaxseed	13,437	41,935		40	15,497	121,25	
Products of agriculture, other	5,954	5,954	11	11	5,965	5,96	
Coal, bituminous	3,734	3,734	11	974.041	3,703	974,04	
Iron ore		8,234,747		774,041	-	8,234,74	
Sand, gravel and stone	14,234	14,234		214,897	14,234	229,13	
Pulpwood, lumber and logs	27,237	29,800		214,077	14,234	29,80	
Gasoline	_	27,000	44,554	66,726	44.554	66,72	
Fuel, road, and petroleum			44,334	00,720	44,234	00,72	
residual oils		5,499	17,810	30,537	17,810	36,03	
Iron, pig	4,982	52,162		50,557	4,982	52,16	
Manufactured iron and steel	1,942	28,981	864	14,139	2,806	43,12	
Motor vehicles	.,	20,702	61	4,273	61	4,27	
Cement	_	_	2,600	38,415	2,600	38,41	
Paper and wood pulp	15,306	20,834	-,	-	15,306	20.83	
Scrap iron and steel	2,394	19,881	-	13,987	2,394	33,86	
Domestic package freight	14,133	14,133	39,274	39,274	53,407	53,46	
Manufactures and		,	,	,	,	35,40	
miscellaneous, other	16,165	19,686	4,365	28,927	20.530	48.61	
TOTAL	137,131	9,947,910	109,601	1,425,289	246,732	11,373,19	

	EAST BOUND			WEST BOUND			TOTAL		
	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
WELLAND SHIP CANAL									
Wheat	600,715	-	600,715		_		600,715	_	600,71
Corn	132,588	-	132,588	-	_	_	132,588	_	132,588
Oats	122,264	-	122,264	-	_	-	122,264	_	122,264
Barley	143,935	-	143,935	_	-	-	143,935	_	143,935
Rye	12,569	-	12,569	-	_	_	12,569	_	12,569
Flour, wheat	34,109	-	34,109	252	-	252	34,361	_	34,361
Mill products, other	16,250	-	16,250	-	-	_	16,250	_	16,250
Soybeans	122,215	-	122,215	-	-	_	122,215	_	122,215
Beans and peas, dried	5,512	_	5,512	28	-	28	5,540	_	5,540
Malt	2,915	152	3,067	76		76	2,991	152	3,143
Flaxseed	28,165	-	28,165	-	_	_	28,165	-	,
Products of agriculture, other	3,193	288	3,481	65	2,248	2,313	3,258	2,536	
Packing house products	2,242	5,437	7.679	259	2,240	259	2,501	5,437	7,938
Animals and products, other	2,205	5,465	7,670	1,140		2,787	3,345	7,112	10,457
Coal, bituminous	499,249	3,403	499,249	17,717	1,047	17,717	516,966	7,112	516,966
Coke	11,208		11,208	557	_	557	11.765		
Iron ore	657,007	_	657,007	504,369	_	504,369	1,161,376		1,161,376
Gravel and sand	16,156	_	16,156	11,231	_	11,231	27,387		27,387
Stone, crushed, broken	10,130	_	10,130	113,887	-	113,887	113.887	-	113,887
Salt	13,056	_		113,007	-	113,007		_	
Sulphur	13,036		13,056	-	_	_	13,056	-	13,056
		-		27 052	-	20 161	- 106	- (00	40.000
Products of mines, other	5,453	222	5,675	37,953	208	38,161	43,406	430	43,836
Pulpwood	3,201		3,201	45,022	-	45,022	48,223		48,223
Products of forests, other	394	421	815	51	811	862	445	1,232	1,677
Gasoline	5,379	-	5,379	20,937	-	20,937	26,316	-	26,316
Fuel, road, and petroleum						_			
residual oils	38,896	-	38,896	49,500	-	49,500	88,396	-	88,396
Lubricating oils and greases	3,419		3,419	16,965	-	16,965	20,384	-	20,384
Petroleum products, refined, other	11,435	1,394	12,829	22,018	1,834	23,852	33,453	3,228	36,681
Soybean oil	1,270	-	1,270	-	-	-	1,270	-	1,270
Chemicals	9,617	4,252	13,869	-	-	-	9,617	4,252	13,869
Sodium (soda) products	17,496	-	17,496	-	84	84	17,496	84	17,580
Tar, pitch and creosote	-	-		2,426	-	2,426	2,426	-	2,426
Iron, pig	-	-		9,522	-	9,522	9,522	-	9,522
Iron and steel: bar, rod and slab		10,655	12,391	-	769	769	1,736	11,424	13,160
Iron and steel, other	2,782	14,499	17,281	-	2,012	2,012	2,782	16,511	19,293
Manufactured iron and steel	_	22,583	22,583	-	17,041	17,041	-	39,624	39,624
Motor vehicles	_	1,079	1,079	-	4,216	4,216	-	5,295	5,295
Cement	15,625	-	15,625	2,600	_	2,600	18,225	-	18,225

## SUMMARY OF CANAL STATISTICS

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September, 1960

COMMODITIES	EAST BOUND			WEST BOUND			TOTAL		
COMMODITIES	Bulk	General	Total	Bulk	General	Total	Bulk	General	Total
ELLAND SHIP CANAL - (Cont'd.)				- T O N	S -				
	2 152		2 152	3,165	-	3,165	6,318		6,31
Wood pulp	3,153		3,153	5,105	54,458	54,458		54,458	54,45
Newsprint paper Syrup and molasses, refined and					.,	.,			
residual	2,226	-	2,226	17,865	-	17,865	20,091	-	20,0
Food products, in cans and		7,723	7,723	6	2,673	2,679	6	10,396	10,4
packages Feed, animal and poultry	11,688	102	11,790	101	15	116	11,789	117	11,9
Scrap iron and steel	81,691	548	82,239		-	25 524	81,691	548	82,2 48,5
Domestic package freight	22,971	-	22,971	25,536	-	25,536	48,507	•	40,.
Manufactures and miscellaneous, other	2,581	28,547	31,128	13,884	24,713	38,597	16,465	53,260	69,7
						1,209,861	3 583 698	216.096	3.799.7
TOTAL	2,666,566	103,367	2,769,933	917,132	112,729	1,209,001	3,303,070	210,070	3,,,,,,
I. LAWRENCE CANALS									
Wheat	558,828		55B,828		-	-	558,828	-	558,
Corn	113,652	-	113,652		-	10	113,652		113,
Oats	115,279	-	115,279	-	-	-	115,279		115, 121,
Barley	121,873	-	121,873 12,569				121,873		121,
Rye Flour, wheat	12,569 35,330		35,330	-		-	35,330		35,
Mill products, other	16,250		16,250	-	-	-	16,250		16,
Soybeans	98,856	-	98,856	-	-	-	98,856		98,
Soybean oil cake and meal	16,948	-	16,948	-	-	-	16,948		16, 5,
Beans and peas, dried	5,760	122	5,760	28	-	28	5,788 4,895		5,
Malt Flaxseed	4,895 27,710	133	5,028 27,710				27,710		27
Products of agriculture, other	3,512	418	3,930	223	3,742	3,965	3,735		7
Packing house products	2,242	5,177	7,419	-	-	-	2,242		7.
Animals and products other	2,012	6,713	8,725	1,557	1,917	3,474	3,569		12 160
Coal, bituminous	111,472		111,472	48,596		48,596	160,068 11,208		11
Coke Iron ore	11,208	_	11,200	510,839		510,839	510,839		510
Gravel and sand	25,200		25,200	573	-	573	25,773	-	25
Petroleum, crude	-	-	-	69,016	-	69,016	69,016		69
Salt	8,306	-	8,306	1/ 057	_	17. 257	8,306		8
Phosphate rock	-		-	14,257 3,136	_	14,257 3,136	14,257 3,136		3
Sulphur Products of mines, other	5,605	222	5,827	30,047	311	30,358	35,652		36,
Pulpwood	5,005	-		59,754	-	59,754	59,754	-	59
Products of forests, other	541	773	1,314	3,385	1,362	4,747	3,926		6
Gasoline	2,115	-	2,115	-			2,115	-	2
Fuel, road, and petroleum	2,533		2,533	165,634	_	165,634	168,167	_	168
residual oils Lubricating oils and greases	2,000		-	10,302		10,302	10,302		10
Petroleum products, refined,									-
other	5,638	1,394	7,032	-	0 (00		5,63B		7 28
Chemicals	3,570	4,446	8,016	17,135	3,692 1,039	20,827 5,335	20,705 4,296		6
Aluminum: bar, ingot, pig and slab	-	672	672	4,296 7,852	1,035	7,852	7,852		7
Iron, pig Iron and steel: bar, rod and slab	-	10,754	10,754	- , , , , ,	973	973			11
Iron and steel, other	158		20,012	101	2,687	2,788	259		22
Manufactured iron and steel	529	36,831	37,360		19,607	19,607	529		56
Motor vehicles	22		1,513	3,165	5,514	5,521 3,165	3,165		7
Wood pulp	-	146	146	3,163	35,982	35,982	3,103		36
Newsprint paper Syrup and molasses, refined and		740	* +0		,,,,,,				
residual	61	-	61	18,712	-	18,712	18,773	-	18,
Sugar		9 001	9 904		5,559	5,559		14,363	14
Food products, in cans and package: Feed, animal and poultry	11,727	8,804	8,804 11,829	131		146	11,858		11
Scrap iron and steel	60,581		61,129	150		150	60,731	548	61
Domestic package freight	54,312		54,312	17,166	-	17,166	71,478	3 -	71
Manufactures and miscellaneous, other	11,157		44,895	26,904	37,402	64,306	38,061	71,140	109
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