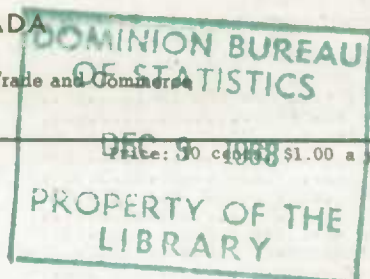


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SUMMARY OF CANAL STATISTICS

SEPTEMBER 1968

This month, cargoes transported through Canadian canals amounted to 15,102,081 tons, considerably above the September 1967 total of 6,965,176 tons due to that year's Canadian shipping strike which ended towards the end of the month. However, a heightened level of activity becomes obvious on comparison with September 1966, when traffic was reported at 13,891,286 tons.

Through the St. Lawrence Canals some 6,699,504 tons were shipped, or more than twice the volume recorded during this period in 1967. Iron ore movements at 2,612,258 tons made up 39.0 per cent of the total; in 1966 the corresponding figure for the month stood at 2,205,398 tons. Wheat shipments totalled 1,005,632 tons (1,305,112 tons in September 1966) or 15.0 per cent of all freight handled; the cumulative total to the end of the month, at 4,581,502 tons, is approximately two hundred thousand tons below 1967, and is roughly fifty-six per cent of traffic in 1966 - a good export year. Steel products are in third place in terms of volume, and from the beginning of canal navigation almost doubled to 3.9 million tons. Vessel transits numbered 955 of 4,611,175 registered net tons against only 628 craft of 2,454,719 registered tons in the previous year.

On the Welland Canal, freight volume advanced to 8,155,848 tons from 3,647,106 tons in September 1967 and 7,362,554 tons in September 1966. Iron ore (at 2,821,720 tons) on this section of the Seaway accounted for 34.6 per cent of all cargoes, while bituminous coal (at 1,398,377 tons) made up a further 17.1 per cent. In cumulative terms, the former commodity was two million tons greater than 1967 (at 11,882,052 tons), while the latter exceeded 1967 (6,030,122 tons) by one million tons. A major portion of the American coal enters Lake Ontario to provide fuel for Ontario Hydro's thermal generating plants; a smaller volume originates in Nova Scotia and moves upbound through the Seaway for the same purpose. Among other commodities being transported at a greater rate during the month, and also the season generally, are corn, soyabeans, salt and steel products. Vessel passages aggregated 1,000 of 5,873,365 tons compared to 628 ships of 2,909,612 registered tons in September 1967.

More traffic was reported for both the Canadian and American locks at Sault Ste. Marie during this month than over the previous September; increases were due to grain and iron ore. During the period 1966 to the present, cargo totals were 13,433,284 tons, 10,328,766 tons and 11,330,069 tons respectively.

Since April, some 34,217,135 tons of goods were moved through the St. Lawrence Canals; this represents a gain of 3,753,564 tons over 1967, and is 465,248 tons less than 1966, the record year. The Welland Canal has reported 40,379,862 tons, which is 4,226,281 tons more than 1967 and 1,318,176 tons less than 1966.

Many commodity names in this report have been abbreviated due to space limitations, but reference to Appendix C of the annual Canal Statistics (catalogue number 54 - 201) will provide a complete description.

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

Canal	September			Tonnage of freight September 1967	Cumulative tonnage of freight	
	Number of Vessel passages	Registered net tonnage of vessels	Tonnage of freight		1968	1967
Canso Canal	110	88,196	86,473	71,525	707,772	605,584
St. Lawrence Canals	955	4,611,175	6,699,504	3,164,701	34,217,135	30,463,571
Welland Canal	1,000	5,873,565	8,155,848	3,647,106	40,379,862	36,153,581
Sault Ste. Marie Canal - Can. lock	482	271,981	157,562	77,521	585,975	723,965
All other canals	539	21,373	2,694	4,323	18,212	24,347
Totals	3,086	10,866,290	15,102,081	6,965,176	75,908,956	67,971,048
Sault Ste. Marie Canal - U.S. locks	1,701	..	11,172,507	10,451,245	67,344,299	67,521,945

.. Figures not available.

Transportation and Public Utilities Division
Transportation Section

December 1968
8702-517

TABLE 2. TONNAGE OF FREIGHT TRANSPORTED THROUGH THE ST. LAWRENCE SEAWAY CANALS, BY COMMODITY AND DIRECTION

CANAL AND COMMODITY	SEPTEMBER			TOTAL SEPTEMBER 1967	CUMULATIVE TOTAL	
	UP	DOWN	TOTAL		1968	1967
ST. LAWRENCE CANALS :						
MEAT, FRESH OR FROZEN	26	7,546	7,572	4,072	23,909	29,105
MILK POWDER		25,467	25,467	13,575	69,004	81,756
BARLEY		109,242	109,242	71,649	275,148	1,073,712
CORN		203,732	203,732	186,128	2,048,776	1,296,299
OATS		57,803	57,803	39,760	160,461	322,857
RYE		17,738	17,738	13,882	66,850	100,275
WHEAT		1,005,632	1,005,632	237,774	4,581,502	4,781,372
CORN MEAL AND FLOUR		24,374	24,374	36,134	96,239	85,284
MALT AND MALT FLOUR		10,444	10,444	10,516	50,785	61,609
WHEAT FLOUR		33,494	33,494	20,420	107,080	78,888
CEREALS, MILLED, NES	97	10,897	10,994	3,068	28,740	50,627
FRUITS, PRESERVED	2,514	7	2,521	1,668	10,387	16,463
FRUITS, PREPARATIONS	2,034	57	2,091	3,726	18,316	16,432
VEGETABLES, DRIED	6	8,681	8,687	3,700	36,111	120,071
VEGETABLE PREP. NES	2,094	2,144	4,238	9,740	18,466	26,273
RAW SUGAR	34,436		34,436	31,306	88,167	84,733
MOLASSES, CRUDE					39,852	52,333
COCOA AND CHOCOLATE	2,338	71	2,359	1,809	22,043	26,883
LARD		4,787	4,787	11,265	35,391	47,592
MISC. FOOD PREP. NES	1,055	290	1,345	1,794	10,529	26,550
HULLS, SCREENINGS, CHAFF		31,728	31,728	4,764	53,034	42,267
GROUND CEREALS, NES		1,320	1,320	17,742	6,663	160,605
SOYABEAN OIL MEAL, CAKE		10,437	10,437	66,031	105,290	408,967
OIL SEED MEAL, CAKE, NES		11,849	11,849	4,057	39,183	26,299
CONC. COMPLETE FEEDS	66	565	631	12,015	4,610	108,371
WINES	5,309	27	5,336	4,423	33,141	22,250
DIS. ALCOHOLIC BEVERAGES	8,530	136	8,666	8,271	23,909	28,489
OTHER FOOD, FEED, TOBACCO	7,530	55,347	62,877	10,118	78,890	75,363
RAW HIDES AND SKINS	71	10,129	10,200	8,516	51,113	56,294
FLAXSEED		37,598	37,598	16,627	190,975	258,797
RAPESEED				1,146	6,386	22,040
SOYABEANS		128,752	128,752	44,207	683,681	510,352
RUBBER, ALLIED GUMS, NAT.	18,773		18,773	12,532	85,708	54,034
LOGS		1,574	1,574	2,197	19,098	16,593
PULPWOOD	94,677		94,677	6,329	263,329	218,926
ALUMINA, BAUXITE ORE	12,913		12,913	5,768	78,147	83,031
IRON ORE AND CONC.	2,612,258		2,612,258	987,869	14,251,439	11,602,303
MANGANESE ORE		26	26	7,046	102,367	155,525
TITANIUM ORE				32,277	19,403	47,445
ORES AND CONC. NES		29	29	7,386	33,431	11,076
IRON AND STEEL SCRAP		92,071	92,071	36,121	185,931	345,780
NON-FERROUS MET. SCRAP	205	4,511	4,716	24,651	294,170	47,660
COAL, BITUMINOUS	134,331	62,639	196,970	140,667	855,618	812,432
CRUDE PETROLEUM					125,334	97,670
BENTONITE		30,368	30,368	4,146	96,033	70,186
CHINA CLAY	7,056		7,056	5,191	25,283	27,174
CLAY MATERIALS NES	24	56	80	566	1,868	18,769
STONE, CRUDE, NES	17	10,455	10,472	5,159	37,155	18,982
FLUORSPAR	14,201		14,201	18,992	98,711	91,728
GYPSUM	17,408	34	17,442	36	30,671	38,176
PHOSPHATE ROCK				11,951		108,639
SALT		134,914	134,914	58,858	475,735	269,488
CRUDE NON-MET. MIN. NES	390	1,798	2,188	1,171	5,063	23,258
OTHER CRUDE MATERIALS, INEDIBLE	4,143	3,467	7,610	16,804	54,703	80,511
LUMBER AND TIMBER	3,679	1,130	4,809	3,994	23,248	18,270
VENEER AND PLYWOOD	4,872	65	4,937	3,642	29,109	25,653
PULP	2,721	795	3,516	11,570	46,095	42,151
NEWSPRINT PAPER	28,187		28,187	12,523	147,760	245,942
CORDAGE, TWINE, ROPE	305		305	1,829	51,953	39,711
ANIMAL OILS, EXC. MARINE		20,784	20,784	19,547	99,969	119,403
SOYABEAN OIL				2,048	4,482	11,100
VEG. OILS, FATS, NES	9,947	14	9,961	9,984	53,673	45,173
METALLIC SALTS	1,474	1,715	3,189	1,527	47,767	25,632
INORGANIC CHEMICALS NES	3,257	6,303	9,560	1,386	20,700	13,883
ORGANIC CHEMICALS NES	7,733	21,350	29,083	19,121	93,650	98,646
FERTILIZERS	11,313	54	11,367	8,978	14,289	22,773
SYNTHETIC RUBBER	317	5,239	5,556	7,313	37,264	41,311
PLASTIC MATERIALS	412	7,632	8,044	3,120	30,312	31,313
CHEM. SPECIALTIES NES	2,020	1,973	3,993	2,615	29,371	16,931
GASOLINE	22,893		22,893	6,689	146,815	221,401
FUEL OIL	332,873	14,562	347,435	155,229	1,505,181	1,277,273
LUBRICATING OIL, GREASE	24,185	1,242	25,427	13,334	115,392	150,377
COKE		19,820	19,820	197	206,713	166,199
PETROL, COAL PROD. NES	136	7,225	7,361	16,409	61,938	128,929
FERRO-ALLOYS	18,210	2	18,212	5,838	53,638	51,459
PIG IRON	32,638		32,638	6,889	149,148	130,313
PRIMARY IRON, STEEL NES	6,101		6,101	778	24,894	19,709
CASTINGS, FORGINGS	9,549	5,082	14,631	1,323	33,145	14,152
BARNS AND RODS, STEEL	45,700	291	45,991	55,964	350,821	286,047
PLATE AND SHEET STEEL	491,056	39,937	530,993	300,050	2,851,334	1,355,566

TABLE 2. TONNAGE OF FREIGHT TRANSPORTED THROUGH THE ST. LAWRENCE SEAWAY CANALS, BY COMMODITY AND DIRECTION

CANAL AND COMMODITY	SEPTEMBER			TOTAL SEPTEMBER 1967	CUMULATIVE TOTAL	
	UP	DOWN	TOTAL		1968	1967
STRUCTURAL SHAPES	131,462	179	131,641	69,063	615,458	416,707
PIPE, TUBE, IRON AND STEEL	4,514	352	4,866	7,387	39,353	37,594
WIRE	11,636	113	11,749	10,753	79,436	70,333
ALUMINUM	2,621	101	2,722	3,277	20,510	20,286
ZINC AND ALLOYS	4,861		4,861	1,536	28,032	21,750
METAL FAB. BASIC PRODUCTS	8,671	361	9,032	14,500	68,761	90,959
GLASS BASIC PRODUCTS	13,272	20	13,292	7,745	52,873	44,997
CEMENT	10,783	1,918	12,701		39,577	16,782
NON-MET. MIN. BASIC PROD.	2,506	659	3,165	2,129	7,800	18,204
OTHER FAB. MATERIALS, INEDIBLE ..	22,848	3,956	26,804	21,838	133,654	143,810
TRACTORS	6,271	2,919	9,190	7,856	39,950	42,169
MACHINERY NES	7,556	6,699	14,255	13,567	100,890	95,940
PASS, AUTOS AND CHASSIS	7,509	1,177	8,686	9,299	76,256	61,703
MILITARY MOTOR VEHICLES		1,717	1,717	4,198	6,183	34,229
MOTOR VEHICLE ENGINES, PARTS ..	1,647	3,021	4,668	3,272	18,075	25,938
EQUIPMENT	1,144	998	2,142	2,757	17,226	18,074
PERSONAL, HOUSEHOLD GOODS	4,244	820	5,064	5,688	36,062	37,818
OTHER END PRODUCTS, INEDIBLE ..	12,269	5,481	17,750	13,029	103,617	112,458
DOMESTIC PACKAGE FREIGHT	24,150	41,568	65,718	9,290	305,983	215,909
TOTAL	4,320,044	2,379,460	6,699,504	3,164,701	34,217,135	30,463,571
WELLAND CANAL:						
MEAT, FRESH OR FROZEN	26	7,400	7,426	3,530	22,200	26,414
MILK POWDER		25,467	25,467	13,449	68,792	78,076
BARLEY		113,745	113,745	53,679	374,023	1,160,699
CORN		230,166	230,166	191,538	2,169,278	1,403,146
OATS		61,227	61,227	26,361	176,511	361,750
RYE		17,738	17,738	15,157	66,850	105,320
WHEAT		1,009,283	1,009,283	204,302	4,414,126	4,780,003
CORN MEAL AND FLOUR		24,374	24,374	36,134	96,213	85,255
MALT AND MALT FLOUR		13,257	13,257	10,516	58,888	65,670
WHEAT FLOUR		33,494	33,494	20,420	107,080	78,882
CEREALS, MILLED, NES	73	10,897	10,970	3,043	29,989	50,568
VEGETABLES, DRIED		8,275	8,275	3,246	33,921	105,408
VEGETABLE PREP. NES	314	1,755	2,069	2,693	8,972	12,551
SUGAR NES	2,217	1,209	3,426	313	25,925	41,498
MOLASSES, CRUDE	9,768		9,768	3,134	46,530	61,004
SYRUP	7,132		7,132	8,996	9,586	14,607
COCOA AND CHOCOLATE	1,439		1,439	1,144	10,754	13,773
LARD		4,787	4,787	11,265	36,026	47,584
HULLS, SCREENINGS, CHAFF		31,728	31,728	4,764	53,034	42,267
GROUND CEREALS, NES		1,320	1,320	17,293	6,657	160,143
SOYABEAN OIL MEAL, CAKE		3,732	3,732	55,511	49,579	300,244
OIL SEED MEAL, CAKE, NES		11,345	11,345	3,822	37,604	24,978
CONC. COMPLETE FEEDS		75	75	11,806	2,880	107,263
WINES	3,905	27	3,932	2,525	21,902	39,044
DIST. ALCOHOLIC BEVERAGES	6,775	118	6,893	6,642	30,949	23,361
OTHER FOOD, FEED, TOBACCO	12,432	60,157	72,589	13,041	358,516	90,648
RAW HIDES AND SKINS	11	8,522	8,533	6,753	40,793	39,128
FLAXSEED		37,598	37,598	19,621	199,318	279,142
RAPESEED				1,146	2,025	22,040
SOYABEANS		146,507	146,507	45,950	811,924	753,122
RUBBER, ALLIED GUMS, NAT.	13,573		13,573	10,353	75,384	44,204
LOGS		1,536	1,536	1,635	10,695	10,541
PULPWOOD	70,255		70,255	6,329	189,358	177,795
ALUMINA, BAUXITE ORE	12,913		12,913	5,768	78,130	82,769
IRON ORE AND CONC.	2,286,914	534,806	2,821,720	1,065,723	13,919,844	11,882,052
MANGANESE ORE		26	26	7,046	101,245	155,525
TITANIUM ORE				29,913	17,848	45,081
ORES AND CONC. NES		29	29	7,369	22,418	11,059
IRON AND STEEL SCRAP		92,071	92,071	36,121	185,931	313,965
NON-FERROUS MET. SCRAP	85	1,097	1,182	22,047	7,933	37,396
COAL, BITUMINOUS		1,398,377	1,398,377	547,010	7,063,359	6,030,122
CRUDE PETROLEUM					35,393	17,703
BENTONITE		30,368	30,368	4,146	96,033	70,186
CHINA CLAY	5,174		5,174	5,178	25,647	19,678
DOLDRITE	206,354	1,053	207,407	164,791	952,905	764,697
CLAY MATERIALS NES		56	56	12,568	7,790	48,553
SAND AND GRAVEL	3,098	17,617	20,715	6,238	99,441	92,969
STONE, CRUDE, NES				649	1,731	23,354
FLUORSPAR	14,201		14,201	18,992	94,777	85,383
SALT		179,723	179,723	99,954	774,905	519,601
CRUDE NON-MET. MIN. NES	390	1,798	2,188	835	5,532	21,098
OTHER CRUDE MATERIALS, INEDIBLE ..	2,315	2,766	5,081	14,312	49,757	62,592
VENEER AND PLYWOOD	2,521	65	2,586	2,404	19,651	16,719
PULP	2,161		2,161	11,570	35,771	29,940
NEWSPRINT PAPER	36,689		36,689	20,117	223,637	294,905
CORDAGE, TWINE, ROPE	280		280	1,580	30,344	28,617
ANIMAL OILS, EXC. MARINE		18,881	18,881	18,324	93,083	114,389



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TABLE 2. TONNAGE OF FREIGHT TRANSPORTED THROUGH THE ST. LAWRENCE SEAWAY CANALS, BY COMMODITY AND DIRECTION

CANAL AND COMMODITY	SEPTEMBER			TOTAL SEPTEMBER 1967	CUMULATIVE TOTAL	
	UP	DOWN	TOTAL		1968	1967
VEG. OILS, FATS, NES	3,257	14	3,271	1,748	19,354	17,361
METALLIC SALTS	669	12,676	13,345	973	52,791	36,663
INORGANIC CHEMICALS NES	449	17,402	17,851	10,722	74,917	73,038
GLYCOL		16	16		15,061	17,115
ORGANIC CHEMICALS NES	3,384	20,931	24,315	18,248	79,855	110,104
FERTILIZERS	11,313	7,140	18,453	239	43,946	595
SYNTHETIC RUBBER	119	5,216	5,335	7,088	35,469	39,223
PLASTIC MATERIALS	84	7,003	7,087	1,934	23,878	23,644
CHEM. SPECIALTIES NES	1,929	1,847	3,776	2,343	18,757	14,778
GASOLINE	34,247	8,025	42,272	9,256	170,084	186,019
FUEL OIL	112,316	79,766	192,082	123,369	839,829	714,497
LUBRICATING OIL, GREASE	24,150	715	24,865	9,864	109,377	118,610
COKE		19,820	19,820	7,014	259,519	179,866
ASPHALTS, ROAD OILS		8,107	8,107	2,103	9,112	28,485
COAL TAR, PITCH	3,711	2,467	6,178	12,359	89,197	75,814
PETROL, COAL PROD. NES	22	11,637	11,659	6,534	108,170	114,442
FERRO-ALLOYS	17,061	607	17,668	2,834	49,930	44,803
PIG IRON	32,638		32,638	6,889	138,593	131,961
PRIMARY IRON, STEEL NES	6,101		6,101	778	24,580	14,909
CASTINGS, FORGINGS	9,399	5,082	14,481	1,265	34,621	13,756
BAR AND RODS, STEEL	45,107	211	45,318	48,019	333,333	250,350
PLATE AND SHEET STEEL	477,995	33,535	511,530	277,417	2,769,249	1,227,353
STRUCTURAL SHAPES	119,834	135	119,969	63,029	552,395	348,270
PIPE, TUBE, IRON AND STEEL	2,751		2,751	5,640	29,863	26,685
WIRE	10,065	2	10,067	9,399	71,881	61,765
ALUMINUM	1,228	3	1,231	2,228	17,197	15,685
ZINC AND ALLOYS	4,861		4,861	1,536	27,934	21,710
METAL FAB. BASIC PRODUCTS	7,144	209	7,353	11,573	58,212	74,387
GLASS BASIC PRODUCTS	9,545	10	9,555	7,073	40,684	37,850
CEMENT	2,227	9,064	11,291	10,360	82,170	180,597
NON-MET. MIN. BASIC PROD.	1,745	641	2,386	1,956	14,568	15,164
OTHER FAB. MATERIALS, INEDIBLE	19,487	2,569	22,056	17,019	89,066	85,092
TRACTORS	5,601	2,853	8,454	6,898	35,483	36,953
MACHINERY NES	4,969	6,084	11,053	10,044	74,986	68,377
PASS. AUTOS AND CHASSIS	5,004	1,177	6,181	7,008	65,884	50,629
MILITARY MOTOR VEHICLES		1,717	1,717	4,198	6,173	34,110
MOTOR VEHICLE ENGINES, PARTS	1,420	2,572	3,992	2,348	14,572	19,957
OTHER END PRODUCTS, INEDIBLE	6,471	5,181	11,652	11,098	71,871	80,543
DOMESTIC PACKAGE FREIGHT	25,603	24,021	49,624	5,937	287,914	187,940
TOTAL	3,712,921	4,442,927	8,155,848	3,647,106	40,379,862	36,153,581

TABLE 3. TONNAGE OF FREIGHT TRANSPORTED THROUGH THE SAULT STE. MARIE CANALS, BY COMMODITY AND DIRECTION.

- SEPTEMBER -

COMMODITY	UP		DOWN		TOTAL	
	CANADIAN LOCK	CANADIAN AND U.S. LOCKS	CANADIAN LOCK	CANADIAN AND U.S. LOCKS	CANADIAN LOCK	CANADIAN AND U.S. LOCKS
PAPER AND WOODPULP			20,967	20,967	20,967	20,967
PULPWOOD, LUMBER AND LOGS			9,748	9,748	9,748	9,748
WHEAT				1,252,449		1,252,449
BARLEY			2,900	166,922	2,900	166,922
OATS			579	60,248	579	60,248
CORN				26,236		26,236
RYE				19,651		19,651
FLAXSEED				38,479		38,479
SOYABEANS				5,005		5,005
FLOUR				6,584		6,584
MILL PRODUCTS, SCREENINGS			2,231	38,162	2,231	38,162
IRON ORE				8,140,182		8,140,182
MANUFACTURED IRON AND STEEL	27	5,245		29,263	27	34,508
PIG IRON				10,925		10,925
SCRAP IRON				12,318		12,318
STONE, BROKEN, SAND AND GRAVEL		94,915	10,400	10,400	10,400	105,315
CEMENT		49,275				49,275
COAL, BITUMINOUS		1,002,047				1,002,047
COAL, ANTHRACITE						
COKE						
NON-METALLIC MINERALS, MFRS.		32,434				32,434
GASOLINE	10,927	50,158		10,443	10,927	60,601
FUEL OIL	38,529	80,525		8,749	38,529	89,274
OTHER PETROLEUM PRODUCTS						
MOTOR VEHICLES						
MISCELLANEOUS MERCHANDISE	944	33,401	2,813	57,841	3,757	91,242
DOMESTIC PACKAGE FREIGHT	34,680	34,680	22,817	22,817	57,497	57,497
TOTAL	85,107	1,382,680	72,455	9,947,389	157,562	11,330,069