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SUMMARY OF CANAL STATISTICS

DECEMBER 1968

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In December freight volume through the St. Lawrence Canals rose to 1,580,958 tons from 1,292,560 tons in the previous year. The last of the 262 transits during the month were the Canadian vessels "Hudson Transport" (downbound) and "Elmbranch" (upbound) on December 14th, thereby ending the canal season one day earlier than the 1967 closing. Cargo tonnage during the year stood at 47.9 million, an appreciable advance over 1967's 44.2 million, but under the network's record of 49.2 million tons in 1966.

Of the commodities carried through the locks of the St. Lawrence Canals in 1968, iron ore, at 18,020,186 tons, constituted 37.6 per cent; ore requirements at plants utilizing the Great Lakes system pushed this commodity over 1.6 million tons above 1967. Wheat traffic through the year fell back to 6,548,996 tons from 6,837,429 tons, while corn activity jumped over a million tons to 3,153,692 tons. At 5.5 million tons, shipments of iron and steel products ended a record year through the Seaway, having advanced approximately two million tons over 1967. Recent reports reflect the U.S. concern over rapidly growing steel imports, and the consequent understanding with European and Japanese producers that they follow self-imposed restrictions in their American marketing.

The Welland Canal handled 2,889,368 tons this month and 2,384,676 tons in December 1967. This canal terminated its 1968 operations on December 22nd (December 16th in 1967) with the downbound movement of the Canadian vessel "Cedarbranch"; the last upbound passage was that of the "Thunder Bay". As in the case of the St. Lawrence, 1968 represented a substantial cargo increase over the previous year, the totals being 58.1 million and 52.9 million respectively; 1966 activity summed to 59.2 million tons of goods.

On the Welland, the traffic picture for iron ore, wheat and steel products followed that for the St. Lawrence Canals, the first mentioned commodity retaining its first place position in volume terms at 18,349,605 tons. Bituminous coal activity moved upwards to 9,814,266 tons from 8,654,482 tons in 1967. Among other significant shipping items, soybeans rose over three hundred thousand to 1,694,979 tons, dolomite by about two hundred and sixty thousand to 1,387,707 tons, and salt by over two hundred and twenty thousand to 1,060,778 tons.

At Sault Ste. Marie, the Canadian canal was closed on December 15th, while its larger American counterpart remained open until January 4th (December 31st in 1967). The Canadian lock accommodate 1,019,619 tons of cargo in 1968 and 967,174 tons in 1967, while on the American side, some 88,255,683 tons and 88,366,249 tons were handled in the two years. The volume of freight reported for all Canadian canals for 1968 stood at 108,234,103 tons or 9.4 per cent above 1967's 98,945,816 tons.

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

Canal	December			Tonnage of freight December 1967	Cumulative tonnage of freight	
	Number of Vessel passages	Registered net tonnage of vessels	Tonnage of freight		1968	1967
Canso Canal	117	125,165	114,455	98,515	1,170,542	916,843
St. Lawrence Canals	262	1,131,450	1,580,958	1,292,560	47,924,170	44,167,493
Welland Canal	411	2,283,915	2,889,368	2,384,676	58,095,834	52,861,881
Sault Ste. Marie Canal - Can. lock	61	117,172	68,799	24,532	1,019,619	967,174
All other canals	3	18	-	-	23,938	32,425
Totals	854	3,657,720	4,653,580	3,800,283	108,234,103	98,945,816
Sault Ste. Marie Canal - U.S. locks	442	..	2,982,328	3,059,991	88,255,683	88,366,249

.. Figures not available.

Transportation and Public Utilities Division
Transportation Section

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

CANAL AND COMMODITY	DECEMBER			TOTAL DECEMBER 1967	CUMULATIVE TOTAL	
	UP	DOWN	TOTAL		1968	1967
ST. LAWRENCE CANALS .						
MEAT, FRESH OR FROZEN	28	3,942	3,970	1,865	41,811	42,715
MILK POWDER		1,999	1,999	5,004	98,425	102,047
BARLEY		67,606	67,606	71,775	565,152	1,402,218
CORN		145,164	145,164	151,581	3,153,692	2,030,543
OATS		21,934	21,934	28,359	261,980	440,804
RYE		16,727	16,727		103,072	133,714
WHEAT		330,213	330,213	203,423	6,548,996	6,837,429
CORN MEAL AND FLOUR		26,424	26,424	7,883	145,019	120,624
MALT AND MALT FLOUR		3,611	3,611	3,541	73,997	89,891
WHEAT FLOUR		2,926	2,926	4,129	122,934	109,614
CEREALS, MILLED, NES		1,494	1,494	5,402	48,555	72,387
FRUITS, PRESERVED					16,812	21,440
FRUITS, PREPARATIONS	25	132	157	286	25,137	27,848
VEGETABLES, DRIED	21	9,613	9,634	7,619	96,907	172,249
VEGETABLE PREP. NES	110	1,538	1,648	673	52,496	51,154
RAW SUGAR					161,949	133,798
MOLASSES, CRUDE					64,277	74,685
COCOA AND CHOCOLATE	118	92	210	15	29,627	37,422
LARD		3,317	3,317	2,563	55,600	63,051
MISC. FOOD PREP. NES	168	453	621	1,276	18,090	35,921
HULLS, SCREENINGS, CHAFF		827	827	7,172	78,401	67,355
GROUND CEREALS, NES		1,171	1,171	4,957	19,367	224,235
SOYABEAN OIL MEAL, CAKE		39,673	39,673	21,061	198,089	538,259
OIL SEED MEAL, CAKE, NES		2,232	2,232	1,456	69,477	85,772
CONC. COMPLETE FEEDS		800	800	11,717	7,766	176,180
WINES					45,941	32,993
DIST. ALCOHOLIC BEVERAGES	691	119	810	12	40,792	41,763
OTHER FOOD, FEED, TOBACCO	116	44,944	45,060	3,690	294,438	120,918
RAW HIDES AND SKINS		10,197	10,197	8,038	80,792	84,183
FLAXSEED		14,941	14,941	14,554	371,429	413,177
RAPESEED		7,091	7,091		16,524	23,722
SOYABEANS		53,503	53,503	20,397	1,326,618	848,081
RUBBER, ALLIED GUMS, NAT.				26	110,766	89,793
LOGS		7,165	7,165	3,030	35,615	28,110
PULPWOOD					308,166	284,334
ALUMINA, BAUXITE ORE		633	633	201	114,757	92,655
IRON ORE AND CONC.	378,782		378,782	468,298	18,020,186	16,382,342
MANGANESE ORE				73	135,839	197,100
TITANIUM ORE					56,155	70,191
ORES AND CONC. NES	304	80	384		39,568	23,916
IRON AND STEEL SCRAP		30,007	30,007	20,411	396,296	440,093
NON-FERROUS MET. SCRAP		22,696	22,696	2,462	323,908	79,045
COAL, BITUMINOUS	20,300		20,300	23,749	1,205,682	1,171,277
CRUDE PETROLEUM				9,615	142,602	176,490
BENTONITE		12,279	12,279	718	187,348	115,169
CHINA CLAY					35,647	34,885
CLAY MATERIALS NES		112	112	659	8,018	35,748
STONE, CRUDE, NES					49,196	35,101
FLUORSPAR	9,361		9,361		177,236	165,982
GYPSUM		95	95	54	30,979	43,321
PHOSPHATE ROCK						122,098
SALT		301	301	3,619	579,122	473,338
CRUDE NON-MET. MIN. NES		149	149	11	7,441	25,872
OTHER CRUDE MATERIALS, INEDIBLE	94	18,831	18,925	3,570	104,928	121,076
LUMBER AND TIMBER		496	496	1,028	35,357	27,512
VENEER AND PLYWOOD	17	234	251	9	55,667	47,410
PULP					71,552	72,753
NEWSPRINT PAPER	17,384	3,260	20,644	8,525	247,642	375,572
CORDAGE, TWINE, ROPE					63,386	43,576
ANIMAL OILS, EXC. MARINE		13,401	13,401	5,659	147,692	181,779
SOYABEAN OIL		4,110	4,110	682	12,728	21,394
VEG. OILS, FATS, NES		4,779	4,779		87,374	64,004
METALLIC SALTS	174	2,290	2,464	1,015	63,706	49,200
INORGANIC CHEMICALS NES		68	68	162	28,197	17,225
ORGANIC CHEMICALS NES	103	2,804	2,907	1,251	131,412	146,931
FERTILIZERS	10,895	308	11,203	32	49,050	37,127
SYNTHETIC RUBBER		3,125	3,125	4,158	53,372	59,401
PLASTIC MATERIALS	193	1,967	2,160	456	42,549	41,246
CHEM. SPECIALTIES NES	17	668	685	207	38,536	24,878
GASOLINE	14,669		14,669		241,193	258,501
FUEL OIL	80,444		80,444	79,876	2,208,804	1,982,018
LUBRICATING OIL, GREASE		183	183	270	151,977	193,968
COKE		41	41	7,699	269,979	233,616
PETROL. COAL PROD. NES		60	60	160	103,397	138,263
FERRO-ALLOYS	547		547	317	77,387	74,999
PIG IRON	15,684		15,684	11,727	265,976	243,943
PRIMARY IRON, STEEL NES					42,267	29,850
CASTINGS, FORGINGS		103	103		54,691	24,214
BARNS AND RODS, STEEL	2,674	2,075	4,749	44	506,532	359,022
PLATE AND SHEET STEEL	3,227	8,614	11,841	8,839	3,873,644	2,306,416

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

CANAL AND COMMODITY	DECEMBER			TOTAL DECEMBER 1967	CUMULATIVE TOTAL	
	UP	DDWN	TOTAL		1968	1967
STRUCTURAL SHAPES	1,483	8,541	10,024	1,739	874,277	653,375
PIPE, TUBE, IRON AND STEEL	29	56	85	179	62,792	56,159
WIRE	21	78	99	74	118,240	99,487
ALUMINUM	21	39	60	387	29,608	25,077
ZINC AND ALLOYS				169	35,645	30,470
METAL FAB. BASIC PRODUCTS	272	328	600	105	101,673	116,524
GLASS BASIC PRODUCTS	278	234	512	17	81,824	64,535
CEMENT	109	304	413		51,375	17,417
NON-MET. MIN. BASIC PROD.	90	538	628	431	22,818	28,015
OTHER FAB. MATERIALS, INEDIBLE ..	271	4,154	4,425	5,113	205,056	212,252
TRACTORS		2,589	2,589	301	59,739	51,138
MACHINERY NES	708	7,958	8,666	2,938	164,830	132,984
PASS. AUTOS AND CHASSIS		2,520	2,520	1,679	126,199	108,758
MILITARY MOTOR VEHICLES		475	475	46	8,320	41,387
MOTOR VEHICLE ENGINES, PARTS ..	48	3,410	3,458	2,082	36,437	38,063
EQUIPMENT	101	635	736	495	21,198	25,725
PERSONAL, HOUSEHOLD GOODS	253	214	467	455	47,243	43,138
OTHER END PRODUCTS, INEDIBLE ..	3,165	4,652	7,817	4,502	169,991	170,534
DOMESTIC PACKAGE FREIGHT	10,970	16,651	27,621	14,788	479,221	333,509
TOTAL	573,965	1,006,993	1,580,958	1,292,560	47,924,170	44,167,493
WELLAND CANAL.						
MEAT, FRESH OR FROZEN		3,830	3,830	1,653	39,011	37,361
MILK POWDER		1,905	1,905	5,004	90,323	98,041
BARLEY		83,430	83,430	126,008	679,928	1,608,561
CORN		192,846	192,846	204,486	3,398,611	2,266,234
OATS		31,984	31,984	29,549	304,455	516,823
RYE		16,727	16,727		105,359	144,437
WHEAT	3,525	616,007	619,532	553,883	6,823,283	7,301,471
CORN MEAL AND FLOUR		26,424	26,424	7,883	144,971	120,595
MALT AND MALT FLOUR		9,396	9,396	6,625	96,414	94,233
WHEAT FLOUR		2,926	2,926	4,129	122,891	109,608
CEREALS, MILLEO, NES		1,494	1,494	5,394	49,804	72,268
VEGETABLES, DRIED		6,977	6,977	2,537	86,085	148,081
VEGETABLE PREP. NES		913	913	85	25,035	25,889
SUGAR NES		367	367	770	28,690	53,061
MOLASSES, CRUDE	2,252		2,252	2,254	65,927	71,137
SYRUP					16,384	23,641
COCOA AND CHOCOLATE		47	47		14,526	20,172
LARD		3,317	3,317	2,563	56,235	63,031
HULLS, SCREENINGS, CHAFF		827	827	7,172	78,401	67,355
GROUND CEREALS, NES		1,171	1,171	4,844	19,203	228,743
SOYABEAN OIL MEAL, CAKE		32,191	32,191	10,302	106,799	384,959
OIL SEED MEAL, CAKE, NES		2,120	2,120		67,590	81,315
CONC. COMPLETE FEEDS		637	637	11,442	5,135	174,063
WINES					31,299	47,428
DIST. ALCOHOLIC BEVERAGES		119	119	12	44,180	35,280
OTHER FOOD, FEED, TOBACCO	1,971	46,418	48,389	2,423	577,365	117,823
RAW HIDES AND SKINS		8,949	8,949	6,149	65,248	59,306
FLAXSEED		31,685	31,685	17,618	399,455	445,702
RAPESEED		7,091	7,091		12,160	23,722
SOYABEANS		149,414	149,414	123,620	1,694,979	1,358,000
RUBBER, ALLIED GUMS, NAT.					95,922	73,977
LDGS		6,115	6,115	3,025	25,672	20,372
PULPWOOD					234,195	243,203
ALUMINA, BAUXITE ORE					114,107	92,192
IRON ORE AND CONC.	319,212	227,458	546,670	485,276	18,349,605	16,545,092
MANGANESE ORE				73	134,717	197,082
TITANIUM ORE					54,600	67,827
ORES AND CONC. NES	304	80	384		28,509	23,869
IRON AND STEEL SCRAP		30,007	30,007	32,141	395,746	420,008
NON-FERROUS MET. SCRAP		20,179	20,179	767	30,320	61,197
COAL, BITUMINOUS		518,581	518,581	373,139	9,814,266	8,654,482
CRUDE PETROLEUM				9,615	52,661	62,648
BENTONITE		12,279	12,279	718	187,348	115,169
CHINA CLAY					34,139	25,542
DOLOMITE	93,442		93,442	102,134	1,387,707	1,128,856
CLAY MATERIALS NES		112	112	659	19,464	65,495
SAND AND GRAVEL				13,728	167,714	133,330
STONE, CRUDE, NES					3,085	24,053
FLUORSPAR	4,917		4,917		151,714	142,329
SALT		30,204	30,204	25,982	1,060,778	837,014
CRUDE NON-MET. MIN. NES				11	7,453	23,234
OTHER CRUDE MATERIALS, INEDIBLE ..		18,295	18,295	1,587	88,255	93,265
VENEER AND PLYWOOD		39	39		36,002	28,402
PULP					58,502	59,707
NEWSPRINT PAPER	24,881	3,260	28,141	12,075	354,711	462,327
CORROAGE, TWINE, ROPE					39,485	32,342
ANIMAL OILS, EXC. MARINE		13,318	13,318	5,647	137,394	175,695



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

CANAL AND COMMODITY	DECEMBER			TOTAL DECEMBER 1967	CUMULATIVE TOTAL	
	UP	DOWN	TOTAL		1968	1967
VEG. OILS, FATS, NES		4,779	4,779		34,017	21,551
METALLIC SALTS		4,928	4,928	9,237	73,215	87,642
INORGANIC CHEMICALS NES		14,442	14,442	5,156	113,521	91,640
GLYCOL		12	12	1,927	15,073	20,418
ORGANIC CHEMICALS NES		2,126	2,126	567	107,124	148,655
FERTILIZERS	4,839	291	5,130	6,179	59,572	16,712
SYNTHETIC RUBBER		2,719	2,719	3,466	49,340	55,373
PLASTIC MATERIALS		1,902	1,902	408	32,038	29,860
CHEM. SPECIALTIES NES		668	668	130	27,328	21,936
GASOLINE	33,942		33,942	9,869	268,957	258,575
FUEL OIL	33,125		33,125	83,410	1,297,189	1,109,875
LUBRICATING OIL, GREASE		183	183	270	140,862	160,157
COKE		41	41	7,699	328,586	256,270
ASPHALTS, ROAD OILS		556	556	30	13,310	37,414
COAL TAR, PITCH					115,824	94,472
PETROL, COAL PROD. NES		6,106	6,106	160	214,008	145,873
FERRD-ALLOYS					71,022	65,234
PIG IRON	15,684		15,684	8,715	249,819	234,875
PRIMARY IRON, STEEL NES					41,923	25,050
CASTINGS, FORGINGS		103	103		48,320	16,551
BAR AND RODS, STEEL		482	482	44	468,268	311,260
PLATE AND SHEET STEEL	2,422	2,145	4,567	1,632	3,747,120	2,108,009
STRUCTURAL SHAPES		8,403	8,403		776,589	557,987
PIPE, TUBE, IRON AND STEEL		43	43	76	47,077	39,594
WIRE		35	35	74	104,792	86,800
ALUMINUM		39	39	256	24,859	19,262
ZINC AND ALLOYS					34,751	30,203
METAL FAB. BASIC PRODUCTS		128	128	38	85,855	94,611
GLASS BASIC PRODUCTS					60,004	53,471
CEMENT	5,430	7,982	13,412	16,172	118,273	226,553
NON-MET. MIN. BASIC PROD.		471	471	424	24,685	21,923
OTHER FAB. MATERIALS, INEDIBLE		1,769	1,769	1,997	126,819	120,573
TRACTORS		1,935	1,935	179	52,231	43,405
MACHINERY NES		7,197	7,197	2,123	125,060	93,935
PASS. AUTOS AND CHASSIS		1,251	1,251	1,637	104,374	80,227
MILITARY MOTOR VEHICLES		475	475	46	8,304	41,268
MOTOR VEHICLE ENGINES, PARTS		3,102	3,102	1,915	30,967	30,495
OTHER END PRODUCTS, INEDIBLE	42	4,096	4,138	2,929	114,182	117,539
DOMESTIC PACKAGE FREIGHT	13,430	13,746	27,176	14,929	426,759	279,584
TOTAL	559,418	2,329,950	2,889,368	2,384,676	58,095,834	52,861,881

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

-DECEMBER-

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			2,127	17,062	2,127	17,062
PULPWOOD, LUMBER AND LOGS						
WHEAT				914,649		914,649
BARLEY			7,108	98,504	7,108	98,504
OATS				67,016		67,016
CORN				8,401		8,401
RYE				2,814		2,814
FLAXSEED				32,403		32,403
SOYABEANS				23,226		23,226
FLOUR						
MILL PRODUCTS, SCREENINGS			1,128	40,021	1,128	40,021
IRON ORE				1,598,780		1,598,780
MANUFACTURED IRON AND STEEL				22,607		22,607
PIG IRON				5,240		5,240
SCRAP IRON				4,992		4,992
STONE, BROKEN, SAND AND GRAVEL	200	32,428			200	32,428
CEMENT						
COAL, BITUMINOUS		56,650				56,650
COAL, ANTHRACITE						
COKE						
NON-METALLIC MINERALS, MFRS.		17,000				17,000
GASOLINE		6,919	2,903	2,903	2,903	9,822
FUEL OIL	6,812	13,472	1,245	7,042	8,057	20,514
OTHER PETROLEUM PRODUCTS			2,602	2,602	2,602	2,602
MOTOR VEHICLES						
MISCELLANEOUS MERCHANDISE	8,000	16,578	133	23,277	8,133	39,855
DOMESTIC PACKAGE FREIGHT	20,541	20,541	16,000	16,000	36,541	36,541
TOTAL	35,553	163,588	33,246	2,887,539	68,799	3,051,127