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OTTAWA



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SUMMARY OF CANAL TRAFFIC

FOR

DECEMBER

AND

SEASON OF NAVIGATION

1 9 3 3

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Sault Ste. Marie Canals:
Canadian and United States Locks:

The Canadian lock was closed on December 1st as against December 16th in 1932, but the United States locks remained open until December 14th. Due to a large increase in iron ore shipments from 3,607,119 tons in 1932, which was the lowest since 1891, to 22,226,025 tons and lesser increases in all other commodities except wheat, the total traffic showed an increase over 1932 of 19,827,001 tons, or 97 per cent. The decrease in wheat shipments during the season amounted to 8,509,394 bushels, or 255,279 tons.

Welland Ship Canal:

Freight using the Welland Ship Canal during 1933 created a new high record with a total tonnage of 9,194,396 tons, exceeding the record made in 1932 by 656,936 tons, or 7.7 per cent. All grains except flaxseed showed substantial decreases, aggregating 586,536 tons. Flour increased by 125,303 tons, bituminous coal by 514,835 tons, coke by 64,163 tons, iron ore by 119,734 tons, pig iron by 22,960 tons, cement, brick and lime by 63,410 tons and merchandise, including miscellaneous freight, by 273,792 tons.

St. Lawrence Canals:

Total freight using the St. Lawrence canals during 1933 amounted to 6,951,064 tons which was exceeded only by the traffic of 1927 and 1928. Due to early ice trouble the canals closed on December 5th, or ten days earlier than in 1932. In 1926 they were closed on December 5th but, with these two exceptions, the canals have remained open for the past twenty years until December 11th to 15th. Grain shipments were considerably lighter than in 1932, but increases in coal, pulpwood, ore, gasoline, oils, paper, merchandise and other commodities produced a net increase of 257,264 tons.

During the 1933 season of navigation there was an exceptionally heavy movement of freight between Great Lake ports and European, Canadian Atlantic, United States Atlantic ports, Newfoundland and Cuba, which passed through the St. Lawrence canals without breaking bulk. To Canadian lake ports 9 cargoes of 13,609 tons of coal from Wales and 15 cargoes of 20,144 tons of miscellaneous freight from the United Kingdom, Belgium, Norway, Germany, Denmark and the Netherlands, also 2 cargoes of 910 tons from Newfoundland, 1 cargo of 965 tons from a United States Atlantic port, 26 cargoes of 44,403 tons from Canadian Atlantic ports and 2 cargoes of 2,534 tons from Vancouver passed up the canals. Cargoes to United States lake ports included 76 cargoes of 106,455 tons, largely wood pulp, from European ports, 1 cargo of 1,500 tons from Newfoundland, 3 cargoes of 4,800 tons of sugar from Cuba, 20 cargoes of 19,148 tons from United States Atlantic ports and 34 cargoes of 49,664 tons, mostly pulpwood and wood pulp, from Canadian Atlantic ports. This was a total of 189 cargoes of 364,132 tons of freight from ocean ports.

The outbound cargoes amounted to 120 cargoes of 158,737 tons, consisting of 56 cargoes of 82,163 tons from Canadian lake ports and 64 cargoes of 76,574 tons from United States lake ports. The Canadian cargoes included 9 cargoes of 13,647 tons to European ports, 9 cargoes of 8,096 tons to Newfoundland, 5 cargoes of 10,731 tons to

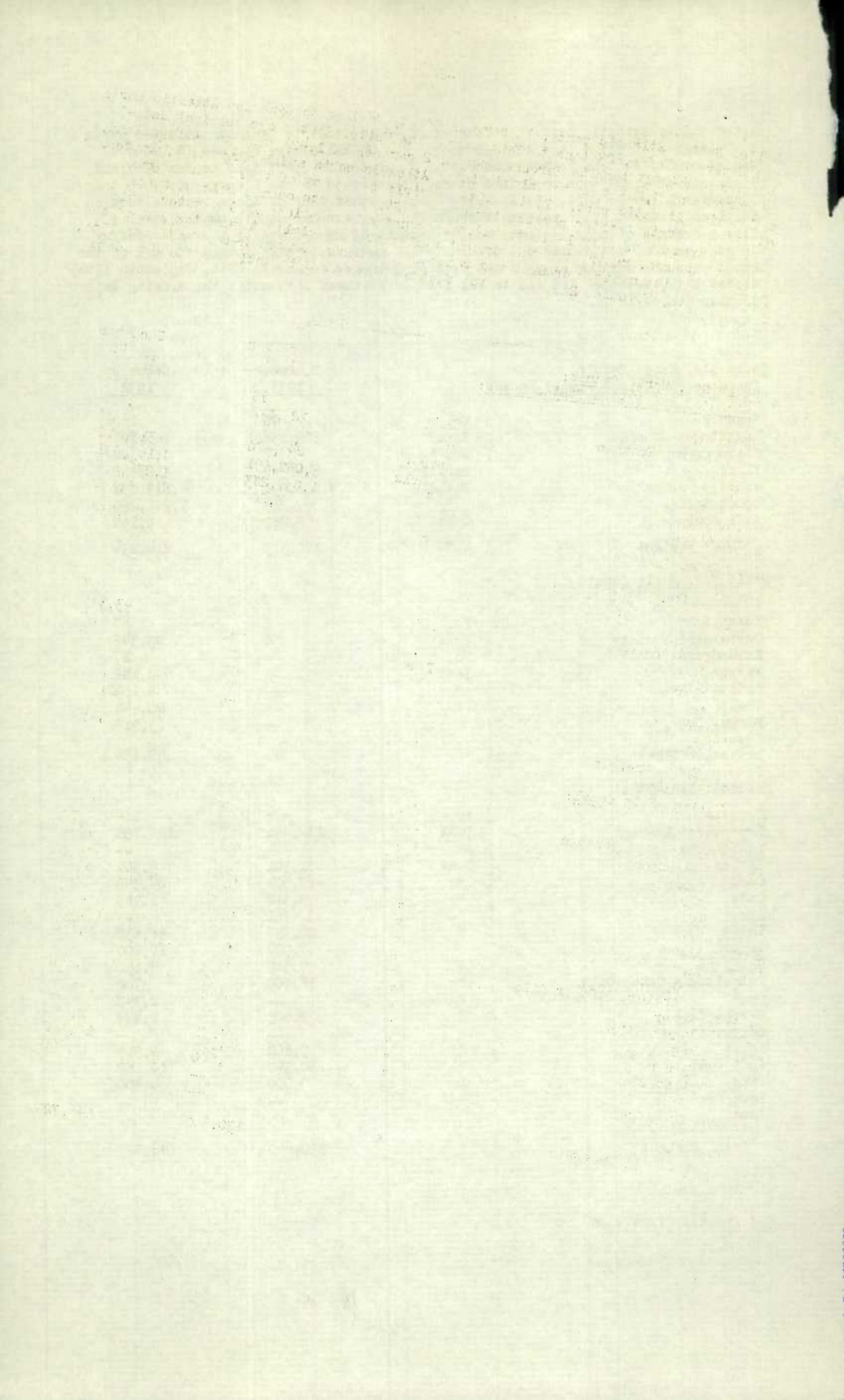
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United States Atlantic ports, 31 cargoes of 48,186 tons to Canadian Atlantic ports and 2 cargoes of 1,503 tons to Vancouver. The United States cargoes included 47 cargoes of 64,323 tons to European ports, 2 cargoes of 1,423 tons to Newfoundland, 14 cargoes of 9,203 tons to United States Atlantic ports and 1 cargo of 1,625 tons to a Canadian Atlantic port. It is quite possible that many of these vessels took on additional freight after passing through the St. Lawrence canals which normally allow a draught of only 14 feet, but, on account of exceptionally low water during the past season, restricted the draught still more, especially toward the end of the season when the maximum draught was reduced 3 inches on August 24th, September 15th, October 14th, November 2nd and to 12½ feet on November 25th until the closing date December 5th.

| <u>Sault Ste. Marie Canals:</u> | | December | December |
|--|---------|-----------|-----------|
| <u>Canadian and United States Locks:</u> | | 1933 | 1932 |
| Vessels | No. | 78 | 160 |
| Registered Tonnage | Tons | 125,132 | 160,896 |
| Passengers | No. | 2 | 28 |
| Flour | Barrels | 249,480 | 318,810 |
| Wheat | Bushels | 3,080,991 | 4,163,031 |
| Other Grains | " | 1,057,283 | 1,286,260 |
| Soft Coal | Tons | 8,200 | 9,150 |
| Total Freight | " | 172,313 | 214,834 |

| <u>Sault Ste. Marie Canal:</u> | | | |
|--------------------------------|------|----|--------|
| <u>Canadian Lock:</u> | | | |
| Vessels | No. | 2 | 57 |
| Registered Tonnage | Tons | 56 | 43,349 |
| Passengers | No. | -- | 27 |
| Barley | Tons | -- | 2,182 |
| Oats | " | -- | 2,159 |
| Wheat | " | -- | 20,441 |
| Flour | " | -- | 13,919 |
| Total Freight | " | -- | 49,150 |

| <u>Welland Ship Canal:</u> | | | |
|----------------------------|------|---------|---------|
| Vessels | No. | 71 | 114 |
| Registered Tonnage | Tons | 112,491 | 127,758 |
| Passengers | No. | -- | -- |
| Barley | Tons | 1,301 | 5,301 |
| Corn | " | 17,601 | 24,349 |
| Oats | " | 5,312 | 1,989 |
| Rye | " | 751 | -- |
| Wheat | " | 20,397 | 58,850 |
| Flour | " | 7,992 | 17,200 |
| Gasolene | " | 9,585 | 5,650 |
| Petroleum & Other Oils | " | 16,100 | 700 |
| Sugar | " | -- | 2,342 |
| Merchandise | " | 2,603 | 8,477 |
| Pulpwood | " | -- | -- |
| Paper | " | 5,800 | 2,515 |
| Soft Coal | " | 30,590 | 10,162 |
| Coke | " | 9,000 | 4,400 |
| Iron Ore | " | -- | -- |
| Sand | " | -- | -- |
| Total Freight | " | 130,660 | 146,725 |



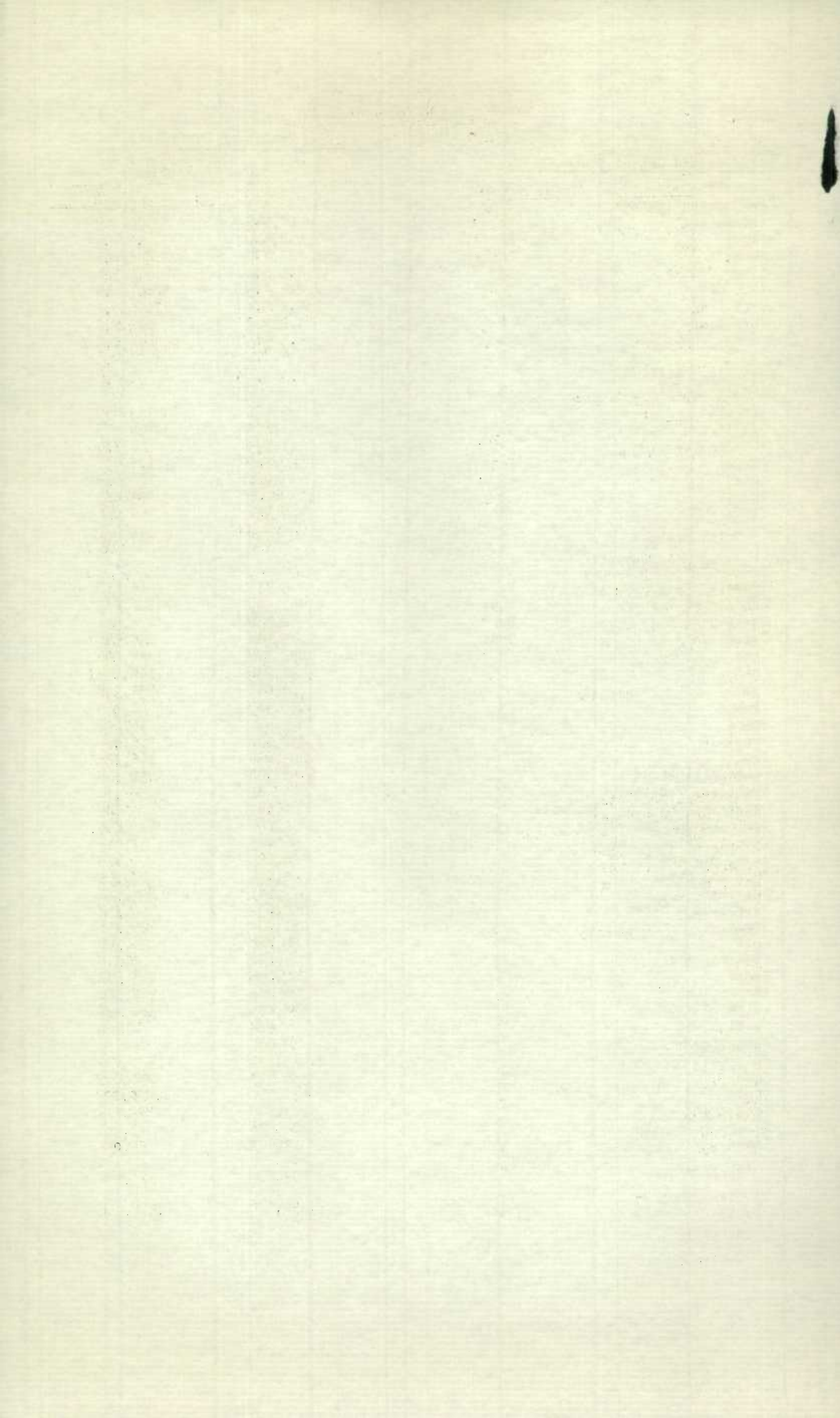
| <u>St. Lawrence Canals:</u> | | <u>December</u> <u>1933</u> | <u>December</u> <u>1932</u> |
|-----------------------------|------|--------------------------------|--------------------------------|
| Vessels | No. | 30 | 67 |
| Registered Tonnage | Tons | 6,735 | 55,414 |
| Passengers | No. | ... | ... |
| Barley | Tons | ... | 2,757 |
| Corn | " | 2,352 | 4,835 |
| Oats | " | ... | 663 |
| Rye | " | ... | ... |
| Wheat | " | ... | 22,743 |
| Flour | " | 2,300 | 10,278 |
| Gasolene | " | ... | 2,580 |
| Petroleum & Other Oils | " | ... | ... |
| Sugar | " | ... | 1,300 |
| Merchandise | " | 956 | 4,612 |
| Pulpwood | " | ... | ... |
| Paper | " | ... | ... |
| Hard Coal | " | ... | ... |
| Soft Coal | " | ... | ... |
| Sand | " | ... | 525 |
| Total Freight | " | 5,668 | 51,216 |
| <u>Ottawa Canal:</u> | | | |
| Vessels | No. | ... | ... |
| Registered Tonnage | Tons | ... | ... |
| Passengers | No. | ... | ... |
| Total Freight | Tons | ... | ... |
| <u>Rideau Canal:</u> | | | |
| Vessels | No. | ... | ... |
| Registered Tonnage | Tons | ... | ... |
| Passengers | No. | ... | ... |
| Total Freight | Tons | ... | ... |
| <u>Chambly Canal:</u> | | | |
| Vessels | No. | ... | ... |
| Registered Tonnage | Tons | ... | ... |
| Passengers | No. | ... | ... |
| Total Freight | Tons | ... | ... |
| <u>Trent Canal:</u> | | | |
| Vessels | No. | ... | ... |
| Registered Tonnage | Tons | ... | ... |
| Passengers | No. | ... | ... |
| Total Freight | Tons | ... | ... |
| <u>Murray Canal:</u> | | | |
| Vessels | No. | ... | ... |
| Registered Tonnage | Tons | ... | ... |
| Passengers | No. | ... | ... |
| Total Freight | Tons | ... | ... |
| <u>St. Peter's Canal:</u> | | | |
| Vessels | No. | 45 | 60 |
| Registered Tonnage | Tons | 2,939 | 5,038 |
| Passengers | No. | ... | ... |
| Total Freight | Tons | 2,088 | 3,972 |
| <u>St. Andrew's Canal:</u> | | | |
| Vessels | No. | ... | ... |
| Registered Tonnage | Tons | ... | ... |
| Passengers | No. | ... | ... |
| Total Freight | Tons | ... | ... |
| <u>All Canadian Canals:</u> | | | |
| Vessels | No. | 148 | 298 |
| Registered Tonnage | Tons | 122,221 | 231,559 |
| Passengers | No. | ... | 27 |
| Total Freight | Tons | 138,416 | 251,063 |

| Year | Month | Day | Event |
|------|-------|-----|-------|
| 1880 | Jan | 1 | ... |
| 1880 | Jan | 2 | ... |
| 1880 | Jan | 3 | ... |
| 1880 | Jan | 4 | ... |
| 1880 | Jan | 5 | ... |
| 1880 | Jan | 6 | ... |
| 1880 | Jan | 7 | ... |
| 1880 | Jan | 8 | ... |
| 1880 | Jan | 9 | ... |
| 1880 | Jan | 10 | ... |
| 1880 | Jan | 11 | ... |
| 1880 | Jan | 12 | ... |
| 1880 | Jan | 13 | ... |
| 1880 | Jan | 14 | ... |
| 1880 | Jan | 15 | ... |
| 1880 | Jan | 16 | ... |
| 1880 | Jan | 17 | ... |
| 1880 | Jan | 18 | ... |
| 1880 | Jan | 19 | ... |
| 1880 | Jan | 20 | ... |
| 1880 | Jan | 21 | ... |
| 1880 | Jan | 22 | ... |
| 1880 | Jan | 23 | ... |
| 1880 | Jan | 24 | ... |
| 1880 | Jan | 25 | ... |
| 1880 | Jan | 26 | ... |
| 1880 | Jan | 27 | ... |
| 1880 | Jan | 28 | ... |
| 1880 | Jan | 29 | ... |
| 1880 | Jan | 30 | ... |
| 1880 | Jan | 31 | ... |
| 1880 | Feb | 1 | ... |
| 1880 | Feb | 2 | ... |
| 1880 | Feb | 3 | ... |
| 1880 | Feb | 4 | ... |
| 1880 | Feb | 5 | ... |
| 1880 | Feb | 6 | ... |
| 1880 | Feb | 7 | ... |
| 1880 | Feb | 8 | ... |
| 1880 | Feb | 9 | ... |
| 1880 | Feb | 10 | ... |
| 1880 | Feb | 11 | ... |
| 1880 | Feb | 12 | ... |
| 1880 | Feb | 13 | ... |
| 1880 | Feb | 14 | ... |
| 1880 | Feb | 15 | ... |
| 1880 | Feb | 16 | ... |
| 1880 | Feb | 17 | ... |
| 1880 | Feb | 18 | ... |
| 1880 | Feb | 19 | ... |
| 1880 | Feb | 20 | ... |
| 1880 | Feb | 21 | ... |
| 1880 | Feb | 22 | ... |
| 1880 | Feb | 23 | ... |
| 1880 | Feb | 24 | ... |
| 1880 | Feb | 25 | ... |
| 1880 | Feb | 26 | ... |
| 1880 | Feb | 27 | ... |
| 1880 | Feb | 28 | ... |
| 1880 | Feb | 29 | ... |
| 1880 | Mar | 1 | ... |
| 1880 | Mar | 2 | ... |
| 1880 | Mar | 3 | ... |
| 1880 | Mar | 4 | ... |
| 1880 | Mar | 5 | ... |
| 1880 | Mar | 6 | ... |
| 1880 | Mar | 7 | ... |
| 1880 | Mar | 8 | ... |
| 1880 | Mar | 9 | ... |
| 1880 | Mar | 10 | ... |
| 1880 | Mar | 11 | ... |
| 1880 | Mar | 12 | ... |
| 1880 | Mar | 13 | ... |
| 1880 | Mar | 14 | ... |
| 1880 | Mar | 15 | ... |
| 1880 | Mar | 16 | ... |
| 1880 | Mar | 17 | ... |
| 1880 | Mar | 18 | ... |
| 1880 | Mar | 19 | ... |
| 1880 | Mar | 20 | ... |
| 1880 | Mar | 21 | ... |
| 1880 | Mar | 22 | ... |
| 1880 | Mar | 23 | ... |
| 1880 | Mar | 24 | ... |
| 1880 | Mar | 25 | ... |
| 1880 | Mar | 26 | ... |
| 1880 | Mar | 27 | ... |
| 1880 | Mar | 28 | ... |
| 1880 | Mar | 29 | ... |
| 1880 | Mar | 30 | ... |
| 1880 | Mar | 31 | ... |
| 1880 | Apr | 1 | ... |
| 1880 | Apr | 2 | ... |
| 1880 | Apr | 3 | ... |
| 1880 | Apr | 4 | ... |
| 1880 | Apr | 5 | ... |
| 1880 | Apr | 6 | ... |
| 1880 | Apr | 7 | ... |
| 1880 | Apr | 8 | ... |
| 1880 | Apr | 9 | ... |
| 1880 | Apr | 10 | ... |
| 1880 | Apr | 11 | ... |
| 1880 | Apr | 12 | ... |
| 1880 | Apr | 13 | ... |
| 1880 | Apr | 14 | ... |
| 1880 | Apr | 15 | ... |
| 1880 | Apr | 16 | ... |
| 1880 | Apr | 17 | ... |
| 1880 | Apr | 18 | ... |
| 1880 | Apr | 19 | ... |
| 1880 | Apr | 20 | ... |
| 1880 | Apr | 21 | ... |
| 1880 | Apr | 22 | ... |
| 1880 | Apr | 23 | ... |
| 1880 | Apr | 24 | ... |
| 1880 | Apr | 25 | ... |
| 1880 | Apr | 26 | ... |
| 1880 | Apr | 27 | ... |
| 1880 | Apr | 28 | ... |
| 1880 | Apr | 29 | ... |
| 1880 | Apr | 30 | ... |
| 1880 | Apr | 30 | ... |

SUMMARY OF CANAL STATISTICS
FOR SEASON OF NAVIGATION, 1933

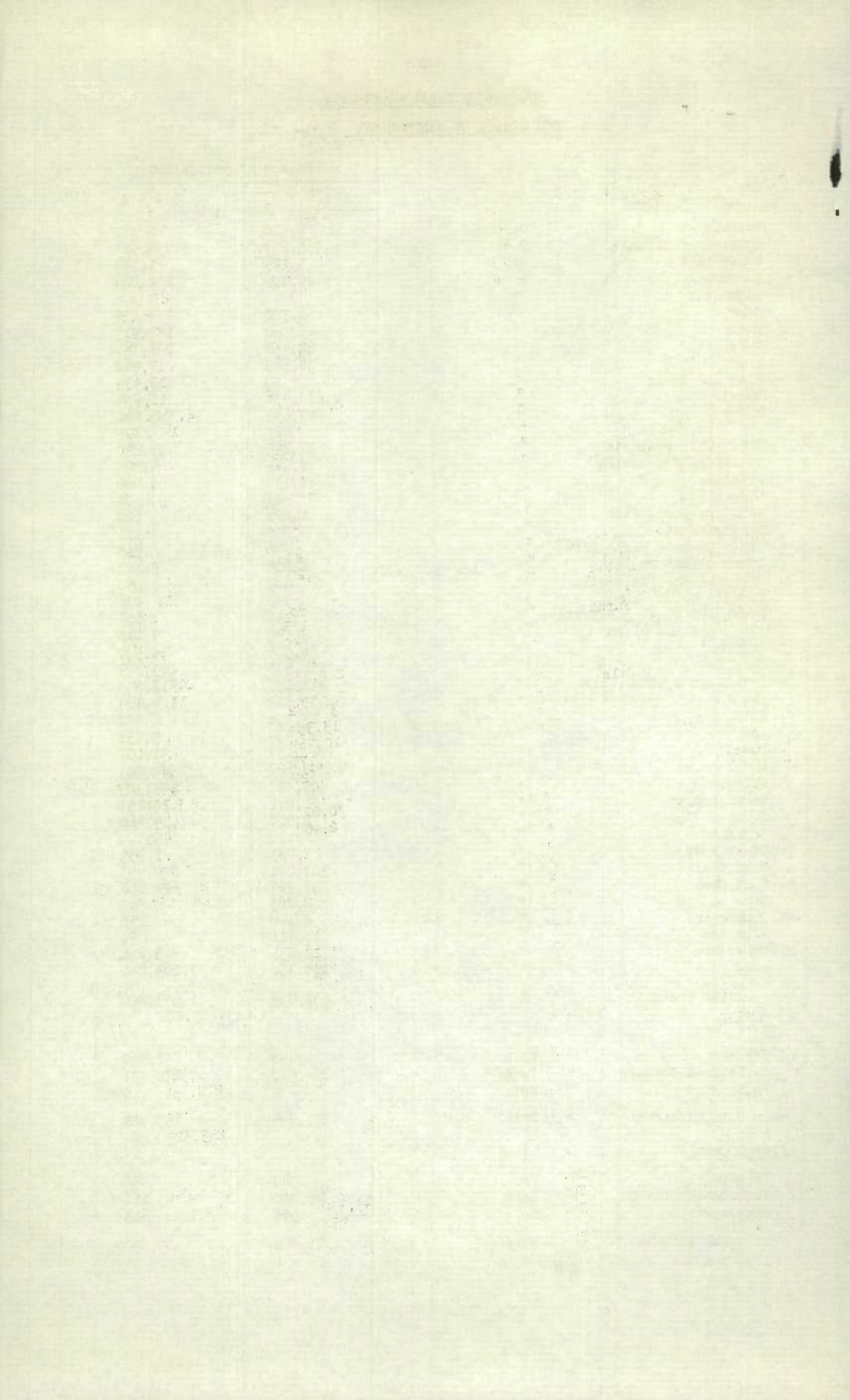
| Sault Ste. Marie Canals: | | Season of Navigation | |
|--|---------|----------------------|--------------|
| | | 1 9 3 3 | 1 9 3 2 |
| <u>Canadian and United States Locks:</u> | | | |
| Vessels | No. | 12,100 | 8,679 |
| Registered Tonnage | Tons | 34,372,333 | 17,252,225 |
| Passengers | No. | 20,946 | 20,269 |
| Flour | Barrels | 7,118,520 | 7,116,400 |
| Wheat | Bushels | 198,717,770 | 207,227,164 |
| Other Grains | " | 39,821,608 | 39,618,381 |
| Iron Ore | Tons | 22,226,025 | 3,607,119 |
| Soft Coal | " | 7,958,524 | 7,190,371 |
| Hard Coal | " | 312,323 | 182,172 |
| Total Freight | " | 40,311,170 | 20,484,169 / |
| <u>Sault Ste. Marie Canal:</u> | | | |
| <u>Canadian Lock:</u> | | | |
| Vessels | No. | 3,121 | 3,099 |
| Registered Tonnage | Tons | 3,343,605 | 3,456,475 |
| Passengers | No. | 11,193 | 14,330 |
| Barley | Tons | 40,869 | 137,437 |
| Oats | " | 43,261 | 104,682 |
| Wheat | " | 1,135,100 | 983,885 |
| Flour | " | 369,956 | 462,060 |
| Total Freight | " | 2,277,729 | 2,337,201 / |
| <u>Welland Ship Canal:</u> | | | |
| Vessels | No. | 5,413 | 5,712 |
| Registered Tonnage | Tons | 8,461,989 | 8,226,885 |
| Passengers | No. | 2,178 | 5,951 |
| Barley | Tons | 69,544 | 241,550 |
| Corn | " | 252,577 | 305,026 |
| Oats | " | 91,936 | 173,793 |
| Rye | " | 62,063 | 232,368 |
| Flax | " | 37,387 | 26,853 |
| Beans | " | ... | 15,607 |
| Wheat | " | 2,833,142 | 2,927,454 |
| Flour | " | 293,628 | 168,325 |
| Other Mill Products | " | 41,708 | 31,849 |
| Fruit and Vegetables | " | 81 | ... |
| Other Packing House Products | " | 1,047 | 229 |
| Agricultural Implements | " | 4,064 | 845 |
| Cement, Brick, Lime | " | 96,025 | 32,615 |
| Iron, pig and bloom | " | 26,635 | 3,675 |
| Iron and Steel | " | 78,494 | 77,101 |
| Gasolene | " | 313,641 | 296,522 |
| Petroleum & Other Oils | " | 290,492 | 350,317 |
| Sugar | " | 211,984 | 228,456 |
| Salt | " | 59,880 | 34,102 |
| Liquors, etc. | " | 4,640 | 2,318 |
| Paper | " | 200,096 | 173,542 |
| Merchandise | " | 796,380 | 522,588 |
| Pulpwood | " | 338,005 | 310,997 |
| Sawed Lumber | " | 928 | 2,266 |
| Hard Coal | " | 14,150 | 20,478 |
| Soft Coal | " | 2,485,143 | 1,970,308 |
| Coke | " | 356,418 | 292,255 |
| Copper Ore | " | 17,364 | 3,685 |
| Iron Ore | " | 173,809 | 54,075 |
| Other Ore | " | 26,628 | 143 |
| Sand | " | 13,467 | 37,937 |
| Total Freight | " | 9,194,396 | 8,537,460 / |

/ Revised.



SUMMARY OF CANAL STATISTICS
FOR SEASON OF NAVIGATION, 1933

| | | Season of Navigation | |
|-----------------------------|------|----------------------|-----------|
| | | 1 9 3 3 | : 1 9 3 2 |
| <u>St. Lawrence Canals:</u> | | | |
| Vessels | No. | 9,510 | 8,171 |
| Registered Tonnage | Tons | 5,966,247 | 5,734,481 |
| Passengers | No. | 1,194 | 1,784 |
| Barley | Tons | 40,796 | 238,266 |
| Buckwheat | " | ... | ... |
| Corn | " | 66,150 | 139,285 |
| Oats | " | 49,960 | 149,517 |
| Rye | " | 62,458 | 221,747 |
| Flax | " | 36,669 | 17,982 |
| Peas and Beans | " | 20 | 16,674 |
| Wheat | " | 2,680,436 | 2,710,894 |
| Flour | " | 217,695 | 145,220 |
| Hay | " | 423 | 809 |
| Other Mill Products | " | 27,749 | 26,230 |
| Fruit and Vegetables | " | 5,044 | 4,405 |
| Potatoes | " | 1,136 | 5,060 |
| Live Stock | " | 27 | 78 |
| Poultry, Game, Fish | " | 1,276 | 660 |
| Dressed Meats | " | 308 | 181 |
| Other Packing House Pdts. | " | 896 | 809 |
| Other Animal Products | " | 8,205 | 9,513 |
| Agricultural Implements | " | 665 | 1,640 |
| Cement, Brick, Lime | " | 950 | 236 |
| Household Goods & Furniture | " | 111 | 134 |
| Iron, pig and bloom | " | 9,549 | 7,018 |
| Iron and Steel | " | 56,505 | 58,330 |
| Gasolene | " | 264,538 | 203,829 |
| Petroleum & Other Oils | " | 471,137 | 413,593 |
| Sugar | " | 139,882 | 164,164 |
| Salt | " | 13,356 | 6,852 |
| Liquors, etc. | " | 10,969 | 9,958 |
| Paper | " | 121,177 | 91,007 |
| Merchandise | " | 878,627 | 582,703 |
| Pulpwood | " | 509,497 | 393,305 |
| Sawed Lumber | " | 30,071 | 18,157 |
| Squared Timber | " | 2,900 | 460 |
| Shingles | " | ... | ... |
| Other wood | " | 7,083 | 1,439 |
| Hard Coal | " | 307,071 | 230,453 |
| Soft Coal | " | 703,327 | 654,168 |
| Coke | " | 2,265 | 567 |
| Copper ore | " | 2,100 | 56 |
| Iron ore | " | 58,811 | 50 |
| Other ore | " | 26,835 | 3,291 |
| Sand | " | 134,390 | 165,060 |
| Total Freight | " | 6,951,064 | 6,693,800 |
| <u>Ottawa Canal:</u> | | | |
| Vessels | No. | 1,448 | 1,360 |
| Registered Tonnage | Tons | 264,970 | 278,731 |
| Passengers | No. | 9 | ... |
| Total Freight | Tons | 253,764 | 253,523 |
| <u>Rideau Canal:</u> | | | |
| Vessels | No. | 540 | 450 |
| Registered Tonnage | Tons | 45,330 | 43,111 |
| Passengers | No. | 978 | 613 |
| Total Freight | Tons | 21,868 | 25,690 |



SUMMARY OF CANAL STATISTICS
FOR SEASON OF NAVIGATION, 1933

| | | Season of Navigation | |
|----------------------------|------|----------------------|--------|
| | | 1933 | 1932 |
| <u>Chambly Canal:</u> | | | |
| Vessels | No. | 355 | 319 |
| Registered Tonnage | Tons | 28,945 | 25,429 |
| Passengers | No. | 135 | 60 |
| Total Freight | Tons | 26,912 | 29,350 |
| <u>Trent Canal:</u> | | | |
| Vessels | No. | 1,427 | 1,342 |
| Registered Tonnage | Tons | 31,081 | 35,844 |
| Passengers | No. | 20,905 | 21,027 |
| Total Freight | Tons | 6,341 | 5,189 |
| <u>Murray Canal:</u> | | | |
| Vessels | No. | 353 | 266 |
| Registered Tonnage | Tons | 21,708 | 12,811 |
| Passengers | No. | 719 | 88 |
| Total Freight | Tons | 3,310 | 424 |
| <u>St. Peter's Canal:</u> | | | |
| Vessels | No. | 911 | 860 |
| Registered Tonnage | Tons | 51,826 | 67,537 |
| Passengers | No. | 190 | 215 |
| Total Freight | Tons | 31,792 | 40,831 |
| <u>St. Andrew's Canal:</u> | | | |
| Vessels | No. | 488 | 336 |
| Registered Tonnage | Tons | 52,296 | 55,744 |
| Passengers | No. | 992 | 121 |
| Total Freight | Tons | 21,351 | 37,182 |

TRAFFIC ON CANADIAN CANALS, 1933

| Canal | Vessels No. | Registered Tonnage | Passengers No. | Freight Tonnage | |
|------------------|----------------|-----------------------|-------------------|-------------------|--|
| | | | | Tons | Compared with 1932 (Increase +) (Decrease -) |
| Sault Ste. Marie | 3,121 | 3,343,605 | 11,193 | 2,277,729 | - 59,472 |
| Welland Ship | 5,413 | 8,461,989 | 2,178 | 9,194,396 | + 656,936 |
| St. Lawrence | 9,510 | 5,966,247 | 1,194 | 6,951,064 | + 257,264 |
| Chambly | 355 | 28,945 | 135 | 26,912 | - 2,438 |
| St. Peter's | 911 | 51,826 | 190 | 31,792 | - 9,039 |
| Murray | 353 | 21,708 | 719 | 3,310 | + 2,886 |
| Ottawa | 1,448 | 264,970 | 9 | 253,764 | + 241 |
| Rideau | 540 | 45,330 | 978 | 21,868 | - 3,822 |
| Trent | 1,427 | 31,081 | 20,905 | 6,341 | + 1,152 |
| St. Andrew's | 488 | 52,296 | 992 | 21,351 | - 15,831 |
| Total # | 23,566 | 18,267,997 | 38,493 | 18,788,527 | + 827,877 |

Includes duplications and is affected by the proportion of the total traffic at Sault Ste. Marie using the Canadian lock.

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