# 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.

|  | Number of vessel passages | Regiatered net tonnage of vessels | $\begin{gathered} \text { Number } \\ \text { of } \\ \text { passengers } \end{gathered}$ | Number of pleasure craft | $\begin{gathered} \text { Tons } \\ \text { of } \\ \text { freight } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | September - 1960 |  |  |  |  |
| ALL CANADIAN CANALS | 3,810 | 5,997,259 | 25,876 | 12,193 | 6,902,754 |
| Canso Canal | 163 | 122,897 | - | 101 | 101,066 |
| Murtay Canal | 21 | 5,404 | - | 333 |  |
| Ottawa River Canals | 54 | 26,819 | - | - | 23,400 |
| Richelieu River Canal | 106 | 16,928 |  | 16 | 14,900 |
| Rideau Canal | 12 | 508 | $11(1)$ | 3,368 | 27 |
| St. Andrew's Canal | 83 | 4,720 | $123^{(2)}$ | 244 (4) | 1,263 |
| St. Lawrence Canals | 1,545 | 2,274,957 | 4,143 | $2^{(4)}$ | 2,715,435 |
| St. Peter's Canal | 85 | 2,102 | 4, 14 | 3 | 126 |
| Sault Ste Marie Canal | 754 | 470,166 | 20,761 | - | 246,732 |
| Trent Canal | 9 | 121 | $4^{(3)}$ | 8,126 | 246, 11 |
| Welland Ship Canal | 978 | 3,072,637 | 834 | 8,126 | 3,799,794 |
|  | September $=1959$ |  |  |  |  |
| ALL CANADIAN CANALS | 4,190 | 5,889,578 | 28,271 | 12,722 | 6,735,430 |
| Canso Canal | 150 | 75,435 | - | 100 | 87,245 |
| Murray Canal | 24 | 3,950 | - | 321 | - |
| Ottawa River Canals | 260 | 67,035 | 85 | 1,345 | $56,700$ |
| Richelieu River Canal | 110 | 16,998 | - | 9 | 14,674 |
| Rideau Canal | 1 | 31 | 4 | 3,641 | - |
| St. Andrew's Canal | 102 | 6,239 | 80 | 182 | $897$ |
| St. Lawrence Canals | 1,788 | 2,755,576 | 2,755 | 124 | 3,167,915 |
| St. Peter's Canal | 28 | 962 | - | 2 | 133 |
| Sault Ste. Marie Canal | 692 | 364,421 | 24,268 | 67 | 144,435 |
| Trent Canal | 12 | 192 | - | 6,911 | , 4 |
| Helland Ship Canal | 1,023 | 2,598,739 | 1,079 | 20 | 3,263.42\% |

Sentamen - 1960

## SAULT STE. MARIF WNALS

EAST BOCND

## Canadian Lock

Can. \& U.S. Locks

561
1,379

200,178
N.A.
N.A.

19,360
20,397

137,131
9,947,910

## SAULT STE, MARIE CANALS

 WEST BOUNDCanadlan Lock

193
Can. \& U.S. Locks
269,988
1,401
109,601

SAULT STE. MARIE CANAIS TOTAL

Canadian Lock - September - 1960
Can. \& U.S. Lacks - September - 1960
$\begin{array}{rrr}754 & 470,166 & 20,761 \\ 2,744 & \text { N.A. } & 39,722 \\ 692 & 364,421 & 24,268\end{array}$
246,732
Canadian Lock - September - 1959
,373,199
Can \& U S Uocte - Septenber 1959
$1,922 \quad 2,934,351$
46,900
144,435
getuland Ship canal

| East Bound | 487 | $1,563,430$ | 443 | - |
| :--- | ---: | ---: | ---: | ---: |
| West Bound | 491 | $1,509,207$ | $3,769,933$ |  |
| Total - September - 1960 | 978 | $3,072,637$ | 834 | $\mathbf{1 , 0 2 9 , 8 6 1}$ |
| Total - September - 1959 | 1,023 | $2,598,739$ | 1,079 | $3,799,794$ |

## ST. LANRENCE CANALS

| East Bound | 770 | $1,175,644$ | 2,095 | 1 |
| :--- | ---: | ---: | ---: | ---: |
| West Bound | 775 | $1,099,313$ | 2,048 | $1,582,667$ |
| Total - September - 1960 | 1,545 | $2,274,957$ | 4,143 | $2,132,768$ |
| Total - September - 1959 | 1,788 | $2,755,576$ | 2,755 | $2,715,435$ |
|  |  |  | 124 |  |

[^0]| COMMODITIES | EAST BOUND |  | WEST BOUND |  | TOTAL |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Canadian Lock | Canadian and U.S. Locks | $\begin{gathered} \text { Cenadian } \\ \text { Lock } \\ \hline \end{gathered}$ | Canadian and U.S. Locks | Canadian Lock | Canadian and U.S. Locks |
| SAULT STE. MARIE CANALS |  |  |  |  |  |  |
| Wheat | 31,545 | 861,545 | - | - | 31,545 | 861,545 |
| Corn | - | 90,933 | - | - | - | 90,933 |
| Oets | 1,313 | 151,409 | - | - | 1,313 | 151,409 |
| Bar ley | 9,402 | 204,411 | - | $\cdots$ | 9,402 | 204,411 |
| Rye | - | 19,210 | - | - | - | 19,210 |
| Plcur | 4,264 | 11,297 | 62 | 62 | 4,326 | 11,359 |
| Mill products, other | 15,497 | 121,259 | - | - | 15,497 | 121,259 |
| Flaxseed | - | 41,935 | - | - | 5, | 41,935 |
| Products of agriculture, other | 5,954 | 5,954 | 11 | 11 | 5,965 | 5,965 |
| Coal, bituminous | - | - | - | 974,041 | - | 974,041 |
| Iron ore | - | 8,234,747 | - | 974,041 | - | 8,234,747 |
| Sand, gravel and stone | 14,234 | 14,234 | - | 214,897 | 14.234 | 229,131 |
| Pulpwood, lumber and logs | , | 29,800 | - | , | - | 29,800 |
| Gasoline | - | - | 44,554 | 66,726 | 44,554 | 66,726 |
| Fuel, road, and petroleum residual ofls | - | 5,499 | 17,810 | 30,537 | 17,810 | 36,036 |
| Iron, plg | 4,982 | 52,162 | - | , | 4,982 | 52,162 |
| Manufactured iron and steel | 1,942 | 28,981 | 864 | 14,139 | 2,806 | 43,120 |
| Motor vehicles | - | - | 61 | 4,273 | 61 | 4,273 |
| Cement | 15, - | - | 2,600 | 38,415 | 2,600 | 38,415 |
| Paper and wood pulp | 15,306 | 20,834 | 2, | 8, | 15,306 | 20,834 |
| Scrap iron and steel | 2,394 | 19,881 | - ${ }^{-}$ | 13,987 | 2,394 | 33,868 |
| Domestic package freight | 14,133 | 14,133 | 39,274 | 39,274 | 53,407 | 53,467 |
| miscellaneous, other | 16, 165 | 19,686 | 4,365 | 28,927 | 20.530 | 48.613 |
| TOTAL | 137.131 | 5,947,910 | 109,601 | 1,425,289 | 246,732 | 11, 373,199 |


|  | YAST BOUND |  |  | WEST BOUND |  |  | TOTAL |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Bu1k | General | Total | Bulk | General | Total | Bulk | General | Total |
| WETIAND SHIP CANAI |  |  |  |  |  |  |  |  |  |
| Wheat | 600,715 | - | 600,715 | - | - | - | 600,715 | - | 600,715 |
| 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 |
| Plour, wheat | 34,109 | - | 34,109 | 252 | - | 252 | 34,361 | - | 34,361 |
| M111 products, other | 16,250 | - | 16,250 | - | - | - | 16,250 | - | 16,250 |
| Soybeans | 122,215 | - | 122,215 | - | $\square$ | - | 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 | $\cdots$ | 76 | 2,991 | 152 | 3,143 |
| Flaxseed | 28,165 | - | 28,165 | - | - | - | 28,165 | - | 28,165 |
| Products of agriculture, other | 3,193 | 288 | 3,481 | 65 | 2,248 | 2,313 | 3,258 | 2,536 | 5,794 |
| Packing house products | 2,242 | 5,437 | 7,679 | 259 | - | 259 | 2,501 | 5,437 | 7,938 |
| Animals and praducts, other | 2,205 | 5,465 | 7,670 | 1,140 | 1,647 | 2,787 | 3,345 | 7,112 | 10,457 |
| Coal, bituminous | 499,249 | - | 499,249 | 17,717 | - | 17,717 | 516,966 | - | 516,966 |
| Coke | 11,208 | - | 11,208 | 557 | - | 557 | 11,765 | - | 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 | - | - | - | 113,887 | - | 113,887 | 113,887 | - | 113,887 |
| Salt | 13,056 | - | 13,056 | - | - | - | 13,056 | - | 13,056 |
| Sulphur | - | - | - | - | - | - | - | - |  |
| 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 olls | 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, pltch and creosote | - | - | - | 2,426 | - | 2,426 | 2,426 | - | 2,426 |
| Iron, pls | - | - | - | 9,522 | - | 9,522 | 9,522 | - | 9,522 |
| Iron and steel: bar, rod and slab | 1,736 | 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 |


| COMMODITIES | EAST BOUND |  |  | WEST BOUND |  |  | TOTAL |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| WELLAND SHIP CANAL - (Cont'd.) - T O N |  |  |  |  |  |  |  |  |  |
| Wood pulp | 3,153 | - | 3,153 | 3,165 | - | 3,165 | 6,318 | - | 6,318 |
| Newsprint paper | - | - | - | - | 54,458 | 54,458 | - | 54,458 | 54,458 |
| Syrup and molasses, refined and residual | 2,226 | - | 2,226 | 17,865 | - | 17,865 | 20,091 | - | 20,091 |
| Food products, in cans and packages | - | 7,723 | 7,723 | 6 | 2,673 | 2,679 | 6 | 10,396 | 10,402 |
| Feed, nims 1 and poultry | 11,688 | 102 | 11,790 | 101 | 15 | 116 | 11,789 | 117 548 | 11,906 |
| Scrap iron and steel | 81,691 | 548 | 82,239 | 25, 536 | - |  | 81,691 | 548 | 82,239 |
| Domestic package freight | 22,971 | - | 22,971 | 25,536 | - | 25,536 | 48,507 | - | 48,507 |
| Manufactures and miscellaneous, other | 2,581 | 28,547 | 31,128 | 13,884 | 24,713 | 38,597 | 16,465 | 53,260 | 69,725 |
| TOTAL | 2,666,566 | 103,367 | 2,769,933 | 917,132 | 112,729 | 1,209,861 | 3,583,698 | 216,096 | 3,799,794 |

## ST. LAWRENCE CANALS



Totat

| 558,828 | - | 55B,828 | - | - | - | 558,828 | - | 558,828 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 113,652 | - | 113,652 | - | - | - | 113,652 | - | 113,652 |
| 115,279 | - | 115,279 | - | - | - | 115,279 | - | 115,279 |
| 121,873 | - | 121,873 | - | - | - | 121,873 | - | 121,873 |
| 12,569 | - | 12,569 | - | - | - | 12,569 | - | 12,569 |
| 35,330 | - | 35,330 | - | - | - | 35,330 | - | 35,330 |
| 16,250 | - | 16,250 | - | - | - | 16,250 | - | 16,250 |
| 98,856 | - | 98,856 | - | - | - | 98,856 | - | 98,856 |
| 16,948 | - | 16,948 | - | - | - | 16,948 | - | 16,948 |
| 5,760 | - | 5,760 | 28 | - | 28 | 5,788 | - | 5,788 |
| 4,895 | 133 | 5,028 | - | - | - | 4,895 | 133 | 5,028 |
| 27,710 | - | 27,710 | - | - | - ${ }^{-}$ | 27,710 | - | 27,710 |
| 3,512 | 418 | 3,930 | 223 | 3,742 | 3,965 | 3,735 | 4,160 | 7,84: |
| 2,242 | 5,177 | 7,419 | - | - | - | 2,242 | 5,177 | 7,419 |
| 2,012 | 6,713 | 8,725 | 1,557 | 1,917 | 3,474 | 3,569 | 8,630 | 12,199 |
| 111,472 |  | 111,472 | 48,596 | - | 48,596 | 160,068 | - | 160,06 |
| 11,208 | - | 11,208 | - | - | - | 11,208 | - | 11,20 |
|  | - | - | 510,839 | - | 510,839 | 510,839 | - | 510,83* |
| 25,200 | - | 25,200 | 573 | - | 573 | 25,773 | - | 25,773 |
| - | - | - | 69,016 | - | 69,016 | 69,016 | - | 69,016 |
| 8,306 | - | 8,306 | - | - | - | 8,306 | - | 8,306 |
| , | - |  | 14,257 | - | 14,257 | 14,257 | - | 14,257 |
| - | - | - | 3,136 | - | 3,136 | 3,136 | - | 3,136 |
| 5,605 | 222 | 5,827 | 30,047 | 311 | 30,358 | 35,652 | 533 | 36,185 |
| - | - | - | 59,754 | - | 59,754 | 59,754 | - | 59,754 |
| 541 | 773 | 1,314 | 3,385 | 1,362 | 4,747 | 3,926 | 2,135 | 6,061 |
| 2,115 | - | 2,115 | - | . | - | 2,115 | - | 2,115 |
| 2,533 | - | 2,533 | 165,634 | - | 165,634 | 168,167 | - | 168,167 |
| 2,533 | - | - | 10,302 | - | 10,302 | 10,302 | - | 10,302 |
| 5,638 | 1,394 | 7,032 | - | - | - | 5,63B | 1,394 | 7,032 |
| 3,570 | 4,446 | 8,016 | 17,135 | 3,692 | 20,827 | 20,705 | 8,138 | 28,843 |
| - | 672 | 672 | 4,296 | 1,039 | 5,335 | 4,296 | 1,711 | 6,007 |
| - | - |  | 7,852 | . | 7,852 | 7,852 | - | 7,852 |
| - | 10,754 | 10,754 | - | 973 | 973 | - | 11,727 | 11,727 |
| 158 | 19,854 | 20,012 | 101 | 2,687 | 2,788 | 259 | 22,541 | 22,800 |
| 529 | 36,831 | 37,360 | - | 19,607 | 19,607 | 529 | 56,438 | 56,967 |
| 22 | 1,491 | 1,513 | 7 | 5,514 | 5,521 | 29 | 7,005 | 7,034 |
| 2 | 1,491 | , 51 | 3,165 | 5,514 | 3,165 | 3,165 | - | 3,165 |
| - | 146 | 146 | - | 35,982 | 35,982 | - | 36,128 | 36,128 |
| 61 | - | 61 | 18,712 | - | 18,712 | 18,773 | - | 18,773 |
| - | - | - | - | - | - | - | - | - |
| * | 8,804 | 8,804 | - | 5,559 | 5,559 | - | 14,363 | 14,363 |
| 11,727 | 102 | 11,829 | 131 | 15 | 146 | 11,858 | 117 | 11,975 |
| 60,581 | 548 | 61,129 | 150 | - | 150 | 60,731 | 548 | 61,279 |
| 54,312 | - | 54,312 | 17,166 | - | 17,166 | 71,478 | - | 71,478 |
| 11,157 | 33,738 | 44,895 | 26,904 | 37,402 | 64,306 | 38,061 | 71,140 | 109,201 |
| $1,450,451$ | 132.216 | 1,582,667 | 1,012,966 | 119,802 | 1,132,768 | $2.463,417$ | 252,018 | 2,715,433 |


[^0]:    (1) Excludes 1,625 paying passengers on sightseeing cruises, and 9,344 fassenpers carried in fleasure craft (2, 303 and 9,925 in 1959).
    (2) Excludes 816 passengers carried in pleasure craft.
    (3) 27,315 carried in small boats $(22,531$ in 1959).
    (4) Included with number of vessel pasaages.

    One passenger through one lock station recarded as "11"
    One pleasure craft through one lock station recorded as " 1 ".
    H.A. Not available.

