



DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

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SUMMARY OF CANAL STATISTICS

July, 1960

The total tonnage of freight cleared through Canadian canals during July amounted to 7,631,827 tons compared with 7,487,579 tons in July, 1959, an increase of 2 per cent. Increased freight traffic was recorded for the St. Lawrence, Sault Ste. Marie, Canso and Ottawa River canals. The number of vessel passages dropped to 4,489 from 4,755 while the net registered tonnage increased to 6,301,765 tons from 6,182,072. Pleasure craft lockages were down to 49,026 from 60,037 and the number of passengers declined to 52,892 from 63,483.

Sault Ste. Marie Canals - Canadian and United States Locks: Freight transported through the combined system increased almost 40 per cent, rising to 14,423,649 tons from 10,327,795 in July last year. Traffic using the Canadian lock increased to 241,782 tons from 145,110. Shipments of wheat through both canals declined to 681,591 tons from 1,156,554 but iron ore shipments were up almost 5 million tons, increasing to 12,117,754 tons from 7,336,055. Total eastbound freight rose to 13,501,277 tons from 9,294,959 in July 1959, while westbound freight declined to 922,372 tons from 1,032,836. Vessel passages numbered 3,811 as against 3,532 in the previous July.

Welland Ship Canal: Freight transported through the Welland Ship Canal in July totalled 4,066,435 tons, a slight drop from the total of 4,101,030 tons reported in July, 1959. Although iron ore shipments increased by some 317,000 tons to 1,454,478 tons from 1,137,367, all grains except rye showed decreases and bituminous coal declined to 444,411 tons from 743,549. Total eastbound traffic through the canal dropped to 2,680,294 tons from 2,755,476 while westbound traffic rose to 1,386,141 tons from 1,345,554. Vessel passages declined to 1,086 from 1,162 in July, 1959, and the net registered tonnage dropped to 3,082,555 from 3,238,872.

St. Lawrence Canals: Freight shipped through the St. Lawrence Canals in July rose to 3,145,432 tons from 3,101,359 in the corresponding month last year. Total eastbound freight was up 7 per cent to 1,611,741 tons from 1,501,549, due largely to increased shipments of soybeans, sand, gravel, iron and steel, and scrap iron. Westbound freight, however, was down 4 per cent to 1,533,691 tons from 1,599,810. Vessel passages numbered 1,713 with a registered tonnage of 2,509,546 as against 1,851 vessels of 2,382,567 tons in July, 1959.

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

8504-517-60

SUMMARY OF CANAL STATISTICS

| | Number of vessel passages | Registered net tonnage of vessels | Number of passengers | Number of pleasure craft | Tons of freight |
|--------------------------------|---------------------------|-----------------------------------|----------------------|--------------------------|-----------------|
| JULY, 1960 | | | | | |
| <u>ALL CANADIAN CANALS</u> | 4,489 | 6,301,765 | 52,892 | 49,026 | 7,631,827 |
| Canso Canal | 144 | 90,710 | 9 | 105 | 97,568 |
| Murray Canal | 64 | 1,379 | - | 1,027 | - |
| Ottawa River Canals | 160 | 78,944 | - | - | 71,100 |
| Richelieu River Canal | 100 | 12,592 | 5 | 32 | 8,788 |
| Rideau Canal | 27 | 643 | 100 ⁽¹⁾ | 16,773 | - |
| St. Andrew's Canal | 72 | 3,993 | 207 ⁽²⁾ | 596 | 678 |
| St. Lawrence Canals | 1,713 | 2,509,546 | 736 | 2 ⁽⁴⁾ | 3,145,432 |
| St. Peter's Canal | 90 | 2,121 | 41 | 46 | 28 |
| Sault Ste Marie Canal | 1,016 | 517,882 | 51,552 | - | 241,782 |
| Trent Canal | 17 | 1,400 | - ⁽³⁾ | 30,445 | 16 |
| Welland Ship Canal | 1,086 | 3,082,555 | 242 | - | 4,066,435 |
| JULY, 1959 | | | | | |
| <u>ALL CANADIAN CANALS</u> | 4,755 | 6,182,072 | 63,483 | 60,037 | 7,487,579 |
| Canso Canal | 149 | 64,166 | - | 276 | 68,823 |
| Murray Canal | 48 | 3,620 | - | 1,008 | - |
| Ottawa River Canals | 141 | 65,587 | 43 | 2,501 | 59,400 |
| Richelieu River Canal | 154 | 19,526 | - | 43 | 10,755 |
| Rideau Canal | 24 | 774 | 56 ⁽¹⁾ | 13,195 | - |
| St. Andrew's Canal | 90 | 5,071 | 147 | 459 | 877 |
| St. Lawrence Canals | 1,851 | 2,382,567 | 458 | 245 | 3,101,359 |
| St. Peter's Canal | 86 | 1,482 | 35 | 16 | 201 |
| Sault Ste. Marie Canal | 1,031 | 400,050 | 62,536 | 154 | 145,110 |
| Trent Canal | 19 | 357 | - ⁽³⁾ | 24,100 | 24 |
| Welland Ship Canal | 1,162 | 3,238,872 | 208 | 40 | 4,101,030 |
| JULY, 1960 | | | | | |
| <u>SAULT STE. MARIE CANALS</u> | | | | | |
| <u>EAST BOUND</u> | | | | | |
| Canadian Lock | 795 | 223,031 | 46,839 | - | 143,303 |
| Can. & U.S. Locks | 1,906 | N.A. | 48,516 | - | 13,501,277 |
| <u>SAULT STE. MARIE CANALS</u> | | | | | |
| <u>WEST BOUND</u> | | | | | |
| Canadian Lock | 221 | 294,851 | 4,713 | - | 98,479 |
| Can. & U.S. Locks | 1,905 | N.A. | 47,344 | - | 924,922 |
| <u>SAULT STE. MARIE CANALS</u> | | | | | |
| <u>TOTAL</u> | | | | | |
| Canadian Lock - July, 1960 | 1,016 | 517,882 | 51,552 | - | 241,782 |
| Can. & U.S. Locks - July, 1960 | 3,811 | N.A. | 95,960 | - | 14,423,649 |
| Canadian Lock - July, 1959 | 1,031 | 400,050 | 62,536 | 154 | 145,110 |
| Can. & U.S. Locks - July, 1959 | 3,532 | 8,787,850 | 119,118 | 154 | 10,327,795 |
| <u>WELLAND SHIP CANAL</u> | | | | | |
| East Bound | 542 | 1,543,637 | 131 | - | 2,680,294 |
| West Bound | 544 | 1,538,918 | 111 | - | 1,386,141 |
| Total - July, 1960 | 1,086 | 3,082,555 | 242 | - | 4,066,435 |
| Total - July, 1959 | 1,162 | 3,238,872 | 208 | 40 | 4,101,030 |
| <u>ST. LAWRENCE CANALS</u> | | | | | |
| East Bound | 872 | 1,267,635 | 361 | 2 | 1,611,741 |
| West Bound | 841 | 1,241,911 | 376 | - | 1,533,691 |
| Total - July, 1960 | 1,713 | 2,509,546 | 737 | 2 | 3,145,432 |
| Total - July, 1959 | 1,851 | 2,382,567 | 458 | 245 | 3,101,359 |

N.A. - Not available.

- (1) Excludes 4,685 paying passengers on sightseeing cruises, and 53,526 passengers carried in pleasure craft (5,427 and 41,572 in 1959)
- (2) Excludes 2,032 passengers carried in pleasure craft.
- (3) 106,343 passengers carried in small boats. (85,047 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".

SUMMARY OF CANAL STATISTICS

JULY, 1960

| COMMODITIES | EAST BOUND | | WEST BOUND | | TOTAL | |
|---|----------------|-------------------------|---------------|-------------------------|----------------|-------------------------|
| | Canadian Lock | Canadian and U.S. Locks | Canadian Lock | Canadian and U.S. Locks | Canadian Lock | Canadian and U.S. Locks |
| SAULT STE. MARIE CANALS | | | | | | |
| Wheat | 10,299 | 681,591 | - | - | 10,299 | 681,591 |
| Corn | 2,800 | 105,283 | - | - | 2,800 | 105,283 |
| Oats | 4,166 | 68,610 | - | - | 4,166 | 68,610 |
| Barley | 39,039 | 186,277 | - | - | 39,039 | 186,277 |
| Rye | 3,264 | 53,467 | 122 | 122 | 3,386 | 53,589 |
| Flour | 659 | 4,692 | 36 | 36 | 695 | 4,728 |
| Mill products, other | 15,410 | 66,679 | - | - | 15,410 | 66,679 |
| Flaxseed | 3,680 | 45,323 | - | - | 3,680 | 45,323 |
| Products of agriculture, other | 7,063 | 7,063 | 24 | 24 | 7,087 | 7,087 |
| Coal, bituminous | - | - | 5,434 | 560,061 | 5,434 | 560,061 |
| Iron ore | - | 12,102,785 | - | 14,969 | - | 12,117,754 |
| Sand, gravel and stone | 1,406 | 1,406 | 6,193 | 129,546 | 7,599 | 130,952 |
| Pulpwood, lumber and logs | - | 43,536 | - | - | - | 43,536 |
| Gasoline | - | - | 4,460 | 10,692 | 4,460 | 10,692 |
| Fuel, road, and petroleum residual oils | 1,825 | 1,825 | 37,537 | 73,900 | 39,362 | 75,725 |
| Iron, pig | - | 23,408 | - | - | - | 23,408 |
| Manufactured iron and steel | 3,590 | 43,350 | 1,966 | 27,621 | 5,556 | 70,971 |
| Motor vehicles | - | - | 6 | 4,119 | 6 | 4,119 |
| Cement | - | - | 2,498 | 49,959 | 2,498 | 49,959 |
| Paper and wood pulp | 12,452 | 13,412 | - | - | 12,452 | 13,412 |
| Scrap iron and steel | - | 7,840 | - | - | - | 7,840 |
| Domestic package freight | 15,561 | 15,561 | 29,269 | 29,269 | 44,830 | 44,830 |
| Manufactures and miscellaneous, other | 22,089 | 29,169 | 10,934 | 22,054 | 33,023 | 51,223 |
| TOTAL | 143,303 | 13,501,277 | 98,479 | 922,372 | 241,782 | 14,423,649 |

| COMMODITIES | EAST BOUND | | | WEST BOUND | | | TOTAL | | |
|---|------------|---------|---------|------------|---------|---------|-----------|---------|-----------|
| | Bulk | General | Total | Bulk | General | Total | Bulk | General | Total |
| WELLAND SHIP CANAL | | | | | | | | | |
| Wheat | 569,695 | - | 569,695 | - | - | - | 569,695 | - | 569,695 |
| Corn | 175,296 | - | 175,296 | - | - | - | 175,296 | - | 175,296 |
| Oats | 43,109 | - | 43,109 | - | - | - | 43,109 | - | 43,109 |
| Barley | 91,990 | - | 91,990 | - | - | - | 91,990 | - | 91,990 |
| Rye | 24,370 | - | 24,370 | - | - | - | 24,370 | - | 24,370 |
| Flour, wheat | 19,659 | - | 19,659 | - | - | - | 19,659 | - | 19,659 |
| Mill products, other | 17,636 | - | 17,636 | - | 384 | 384 | 17,636 | 384 | 18,020 |
| Soybeans | 102,553 | - | 102,553 | - | - | - | 102,553 | - | 102,553 |
| Beans and peas, dried | 13,354 | - | 13,354 | - | - | - | 13,354 | - | 13,354 |
| Malt | 9,701 | - | 9,701 | - | - | - | 9,701 | - | 9,701 |
| Flaxseed | 44,144 | - | 44,144 | - | - | - | 44,144 | - | 44,144 |
| Products of agriculture, other | 3,583 | 6 | 3,589 | 1,442 | 334 | 1,776 | 5,025 | 340 | 5,365 |
| Packing house products | 2,592 | 8,113 | 10,705 | - | - | - | 2,592 | 8,113 | 10,705 |
| Animals and products, other | 17,131 | 10,236 | 27,367 | - | 3,518 | 3,518 | 17,131 | 13,754 | 30,885 |
| Coal, bituminous | 414,086 | - | 414,086 | 30,325 | - | 30,325 | 444,411 | - | 444,411 |
| Coke | 12,953 | - | 12,953 | 567 | - | 567 | 13,520 | - | 13,520 |
| Iron ore | 630,704 | - | 630,704 | 823,725 | 49 | 823,774 | 1,454,429 | 49 | 1,454,478 |
| Gravel and sand | 4,719 | - | 4,719 | 4,571 | - | 4,571 | 9,290 | - | 9,290 |
| Stone, crushed, broken | 22,295 | - | 22,295 | 128,002 | - | 128,002 | 150,297 | - | 150,297 |
| Salt | 44,167 | - | 44,167 | - | - | - | 44,167 | - | 44,167 |
| Sulphur | - | - | - | - | - | - | - | - | - |
| Products of mines, other | 13,573 | 215 | 13,788 | 30,963 | 278 | 31,241 | 44,536 | 493 | 45,029 |
| Pulpwood | 20,304 | - | 20,304 | 45,341 | - | 45,341 | 65,645 | - | 65,645 |
| Products of forests, other | 1,100 | 153 | 1,253 | 3 | 1,195 | 1,198 | 1,103 | 1,348 | 2,451 |
| Gasoline | 4,038 | - | 4,038 | 22,628 | - | 22,628 | 26,666 | - | 26,666 |
| Fuel, road, and petroleum residual oils | 37,570 | - | 37,570 | 72,801 | - | 72,801 | 110,371 | - | 110,371 |
| Lubricating oils and greases | 3,541 | 1,126 | 4,667 | 13,531 | - | 13,531 | 17,072 | 1,126 | 18,198 |
| Petroleum products, refined, other | 10,861 | 1,096 | 11,957 | - | 1 | 1 | 10,861 | 1,097 | 11,958 |
| Soybean oil | 10,204 | - | 10,204 | - | - | - | 10,204 | - | 10,204 |
| Chemicals | 10,436 | 3,952 | 14,388 | 22,423 | 647 | 23,070 | 32,859 | 4,599 | 37,458 |
| Sodium (soda) products | 9,060 | 805 | 9,865 | - | - | - | 9,060 | 805 | 9,865 |
| Tar, pitch and creosote | 10,189 | - | 10,189 | - | - | - | 10,189 | - | 10,189 |
| Iron, pig | - | - | - | 1,574 | - | 1,574 | 1,574 | - | 1,574 |
| Iron and steel: bar, rod and slab | 1,418 | 14,308 | 15,726 | - | 512 | 512 | 1,418 | 14,820 | 16,238 |
| Iron and steel, other | - | 9,642 | 9,642 | 29 | 3,818 | 3,847 | 29 | 13,460 | 13,489 |
| Manufactured iron and steel | - | 38,378 | 38,378 | 133 | 12,172 | 12,305 | 133 | 50,550 | 50,683 |
| Motor vehicles | 35 | 3,027 | 3,062 | - | 4,439 | 4,439 | 35 | 7,466 | 7,501 |
| Cement | 17,039 | - | 17,039 | 2,498 | - | 2,498 | 19,537 | - | 19,537 |

SUMMARY OF CANAL STATISTICS

JULY, 1960

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| COMMODITIES | EAST BOUND | | | WEST BOUND | | | TOTAL | | |
|--|------------------|----------------|------------------|------------------|----------------|------------------|------------------|----------------|--------------------------------|
| | Bulk | General | Total | Bulk | General | Total | Bulk | General | Total |
| WELLAND SHIP CANAL - (Cont'd.) | | | | | | | | | |
| Wood pulp | 2,570 | - | 2,570 | 7,430 | 2,046 | 9,476 | 10,000 | 2,046 | 12,046 |
| Newsprint paper | 672 | - | 672 | 2,218 | 55,210 | 57,428 | 2,890 | 55,210 | 58,100 |
| Syrup and molasses, refined and residual | - | 230 | 230 | 8,548 | - | 8,548 | 8,548 | 230 | 8,778 |
| Food products, in cans and packages | - | 12,389 | 12,389 | - | 3,175 | 3,175 | - | 15,564 | 15,564 |
| Feed, animal and poultry | 29,520 | 100 | 29,620 | - | 32 | 32 | 29,520 | 132 | 29,652 |
| Scrap iron and steel | 56,975 | 5,041 | 62,016 | - | - | - | 56,975 | 5,041 | 62,016 |
| Domestic package freight | 25,275 | - | 25,275 | 33,236 | - | 33,236 | 58,511 | - | 58,511 |
| Manufactures and miscellaneous, other | 936 | 42,424 | 43,360 | 16,324 | 30,019 | 46,343 | 17,260 | 72,443 | 89,703 |
| TOTAL | 2,529,053 | 151,241 | 2,680,294 | 1,268,312 | 117,829 | 1,386,141 | 3,797,365 | 269,070 | 4,066,435 |
| ST. LAWRENCE CANALS | | | | | | | | | |
| Wheat | 519,953 | - | 519,953 | 2,550 | - | 2,550 | 522,503 | - | 522,503 |
| Corn | 157,861 | - | 157,861 | - | - | - | 157,861 | - | 157,861 |
| Oats | 39,689 | - | 39,689 | - | - | - | 39,689 | - | 39,689 |
| Barley | 79,313 | - | 79,313 | - | - | - | 79,313 | - | 79,313 |
| Rye | 24,370 | - | 24,370 | - | - | - | 24,370 | - | 24,370 |
| Flour, wheat | 20,214 | - | 20,214 | - | - | - | 20,214 | - | 20,214 |
| Mill products, other | 17,847 | - | 17,847 | - | 384 | 384 | 17,847 | 384 | 18,231 |
| Soybeans | 71,512 | - | 71,512 | - | - | - | 71,512 | - | 71,512 |
| Soybean oil cake and meal | 17,624 | - | 17,624 | 225 | - | 225 | 17,849 | - | 17,849 |
| Beans and peas, dried | 13,372 | - | 13,372 | - | - | - | 13,372 | - | 13,372 |
| Malt | 7,177 | 114 | 7,291 | - | - | - | 7,177 | 114 | 7,291 |
| Flaxseed | 37,759 | - | 37,759 | - | - | - | 37,759 | - | 37,759 |
| Products of agriculture, other | 2,835 | 22 | 2,857 | 98 | 840 | 938 | 2,933 | 862 | 3,795 |
| Packing house products | 2,592 | 8,185 | 10,777 | - | - | - | 2,592 | 8,185 | 10,777 |
| Animals and products, other | 17,481 | 11,342 | 28,823 | 490 | 3,844 | 4,334 | 17,971 | 15,186 | 33,157 |
| Coal, bituminous | 73,566 | - | 73,566 | 59,728 | - | 59,728 | 133,294 | - | 133,294 |
| Coke | 12,953 | - | 12,953 | 567 | - | 567 | 13,520 | - | 13,520 |
| Iron ore | - | - | - | 849,576 | 49 | 849,625 | 849,576 | 49 | 849,625 |
| Gravel and sand | 69,750 | 1,220 | 70,970 | - | - | - | 69,750 | 1,220 | 70,970 |
| Petroleum, crude | - | - | - | 101,458 | - | 101,458 | 101,458 | - | 101,458 |
| Salt | 29,941 | - | 29,941 | - | - | - | 29,941 | - | 29,941 |
| Phosphate rock | - | - | - | 4,657 | - | 4,657 | 4,657 | - | 4,657 |
| Sulphur | - | - | - | - | - | - | - | - | - |
| Products of mines, other | 6,665 | 324 | 6,989 | 31,397 | 482 | 31,879 | 38,062 | 806 | 38,868 |
| Pulpwood | - | - | - | 66,872 | - | 66,872 | 66,872 | - | 66,872 |
| Products of forests, other | 1,635 | 274 | 1,909 | 2,344 | 2,779 | 5,123 | 3,979 | 3,053 | 7,032 |
| Gasoline | 2,858 | - | 2,858 | - | - | - | 2,858 | - | 2,858 |
| Fuel, road, and petroleum residual oils | 17,535 | - | 17,535 | 178,504 | 1,350 | 179,854 | 196,039 | 1,350 | 197,389 |
| Lubricating oils and greases | - | 1,126 | 1,126 | 6,893 | - | 6,893 | 6,893 | 1,126 | 8,019 |
| Petroleum products, refined, other | 6,798 | 1,103 | 7,901 | - | 1 | 1 | 6,798 | 1,104 | 7,902 |
| Chemicals | 942 | 4,416 | 5,358 | 16,737 | 1,764 | 18,501 | 17,679 | 6,180 | 23,859 |
| Aluminum: bar, ingot, pig and slab | - | 2,588 | 2,588 | 3,060 | 1,269 | 4,329 | 3,060 | 3,857 | 6,917 |
| Iron, pig | - | - | - | - | - | - | - | - | - |
| Iron and steel: bar, rod and slab | - | 14,308 | 14,308 | - | 753 | 753 | - | 15,061 | 15,061 |
| Iron and steel, other | 360 | 23,528 | 23,888 | - | 5,204 | 5,204 | 360 | 28,732 | 29,092 |
| Manufactured iron and steel | 273 | 49,869 | 50,142 | - | 15,590 | 15,590 | 273 | 65,459 | 65,732 |
| Motor vehicles | 45 | 3,067 | 3,112 | 2 | 4,834 | 4,836 | 47 | 7,901 | 7,948 |
| Wood pulp | - | - | - | 8,856 | 2,357 | 11,213 | 8,856 | 2,357 | 11,213 |
| Newsprint paper | 360 | - | 360 | 2,218 | 35,579 | 37,797 | 2,578 | 35,579 | 38,157 |
| Syrup and molasses, refined and residual | - | 230 | 230 | 20,773 | - | 20,773 | 20,773 | 230 | 21,003 |
| Sugar | - | - | - | 2,903 | 3,315 | 6,218 | 2,903 | 3,315 | 6,218 |
| Food products, in cans and packages | - | 13,821 | 13,821 | - | 5,282 | 5,282 | - | 19,103 | 19,103 |
| Feed, animal and poultry | 29,736 | 267 | 30,003 | 61 | 32 | 93 | 29,797 | 299 | 30,096 |
| Scrap iron and steel | 74,964 | 5,041 | 80,005 | - | - | - | 74,964 | 5,041 | 80,005 |
| Domestic package freight | 51,349 | - | 51,349 | 24,458 | - | 24,458 | 75,807 | - | 75,807 |
| Manufactures and miscellaneous, other | 9,360 | 52,207 | 61,567 | 23,228 | 40,328 | 63,556 | 32,588 | 92,535 | 125,123 |
| TOTAL | 1,418,689 | 193,052 | 1,611,741 | 1,407,655 | 126,036 | 1,533,691 | 2,826,344 | 319,088 | 3,145,432⁽¹⁾ |

(1) Includes 91,511 tons of non toll traffic