

## 13.—St. Lawrence Seaway Traffic classified by Type of Cargo, 1963

(Combined traffic of the Montreal-Lake Ontario Section and the Welland Canal, with duplications eliminated)

Commodity	Cargo Tons	P.C. of Total	Commodity	Cargo Tons	P.C. of Total
<b>Agricultural Products</b> .....	<b>16,023,362</b>	<b>35.2</b>	<b>Forest Products</b> .....	<b>369,244</b>	<b>0.8</b>
Wheat.....	8,400,418	18.5	Pulpwood.....	238,268	0.5
Corn.....	2,915,453	6.4	Other forest products.....	130,976	0.3
Barley.....	1,359,660	3.0			
Soybeans.....	1,061,075	2.3	<b>Manufactures and</b>		
Oats.....	662,983	1.3	<b>Miscellaneous</b> .....	<b>7,170,384</b>	<b>15.7</b>
Rye.....	314,377	0.7	Fuel oil.....	1,798,881	3.9
Flaxseed.....	304,747	0.7	Iron and steel, manufactured....	840,154	1.8
Soybean oil cake and meal.....	263,011	0.6	Newsprint.....	460,050	1.0
Flour, wheat.....	234,595	0.5	Scrap iron and steel.....	411,469	0.9
Beans and peas.....	274,752	0.6	Gasoline.....	222,979	0.5
Malt.....	60,390	0.1	Lubricating oils and greases.....	310,680	0.7
Other agricultural products.....	231,901	0.5	Food products.....	306,823	0.7
			Sugar.....	121,845	0.3
<b>Animal Products</b> .....	<b>405,446</b>	<b>0.9</b>	Chemicals.....	174,523	0.4
Packing house products, edible.....	103,793	0.2	Pig iron.....	133,403	0.3
Hides, skins and pelts.....	60,341	0.1	Cement.....	142,020	0.3
Other animal products.....	241,312	0.6	Syrup and molasses.....	187,372	0.4
			Sodium products.....	124,037	0.3
<b>Mineral Products</b> .....	<b>20,805,202</b>	<b>45.7</b>	Iron and steel, nails, wire.....	92,228	0.2
Iron ore.....	12,783,026	28.1	Petroleum products, other.....	188,297	0.4
Bituminous coal.....	5,550,921	12.2	Tar, pitch and creosote.....	110,864	0.2
Stone, ground or crushed.....	966,495	2.2	Rubber, crude, natural, synthetic	107,992	0.2
Salt.....	339,061	0.7	Woodpulp.....	59,051	0.1
Coke.....	246,764	0.5	Machinery and machines.....	88,777	0.2
Gravel and sand.....	136,925	0.3	Other manufactures and miscel-		
Petroleum, crude.....	144,109	0.3	<b>laneous</b> .....	<b>1,288,939</b>	<b>2.9</b>
Clay and bentonite.....	152,412	0.3			
Phosphate rock.....	25,837	0.1	<b>Package Freight</b> .....	<b>796,569</b>	<b>1.7</b>
Sulphur.....	74,485	0.2	Package freight—domestic.....	738,758	1.6
Aluminum ore and concentrates..	84,287	0.2	Package freight—foreign.....	57,811	1
Other mineral products.....	290,880	0.6	<b>Totals</b> .....	<b>45,570,207</b>	<b>100.0</b>

On the Montreal-Lake Ontario Section, upbound traffic increased 24.4 p.c. in 1963 compared with 1962 and downbound traffic by 18.3 p.c. The increase in upbound traffic was accounted for almost entirely by the volume of iron ore shipped from St. Lawrence ports to Hamilton and Lake Erie, and downbound cargoes rose because of greater overseas sales of wheat. There were 18 fewer upbound transits and 48 fewer downbound transits in 1963 than in 1962, indicating a slight increase in the size of vessels using this portion of the Seaway and in the average tons of cargo carried. Bulk cargo comprised 90.2 p.c. of the total traffic through the Section in 1963, the principal commodities through the St. Lawrence canals being iron ore, wheat, corn, fuel oil, bituminous coal and barley. Traffic patterns show that 31.4 p.c. of the total movement was between two Canadian ports, 42.7 p.c. moved between Canadian and United States ports and 25.5 p.c. consisted of foreign trade to and from Canada and the United States. The small remainder was traffic between two points in the United States.

Through the Welland Canal there were 7,597 transits in 1963 with a cargo volume of 13,152,000 tons upbound and 28,151,000 tons downbound; bulk cargo accounted for 94.1 p.c. of the traffic. Although many vessels pass through both the St. Lawrence and the Welland Canals on 'through' trips, there is a substantial amount of local traffic between Great Lakes ports which involved only the Welland Canal. These movements are largely iron ore, grain and coal. The Welland Canal traffic was nearly 10,360,000 cargo tons greater than that reported for the Montreal-Lake Ontario Section.

Income of the St. Lawrence Seaway Authority for 1963 amounted to \$12,045,224, comprising toll revenue of \$10,730,418 assessed for transits through the Seaway locks between Montreal and Lake Ontario together with sundry revenues (rentals, wharfage, bridge revenue, etc.) amounting to \$1,314,806. Operating and maintenance expenses amounted