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MOTOR TRANSPORT TRAFFIC  
ATLANTIC PROVINCES  
1963

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# TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation .....	4
2. Net Ton Miles by Type of Operation .....	4
Introduction .....	5
 <b>Section I. Traffic Performed Inside and Outside the Region by Trucks Registered in the Atlantic Provinces, January 1 - December 31, 1963</b>	
Table	
1. All Trucks by Type of Operation .....	8
2. All Trucks by Gross Vehicle Weight Group .....	8
3. Selected Statistics by Gross Vehicle Weight Group .....	9
4. Selected Statistics by Commodity Group .....	9
 <b>Section II. Traffic Performed Within the Region by Trucks Registered in the Atlantic Provinces, January 1 - December 31, 1963</b>	
5. All Trucks by Type of Operation .....	10
6. All Trucks by Gross Vehicle Weight Group .....	10
 <b>Section III. Interprovincial and International Traffic Performed by Trucks Registered in the Atlantic Provinces, January 1 - December 31, 1963</b>	
7. Tons of Goods Carried by Province of Origin and Destination .....	11
8. Selected Statistics by Commodity Group .....	11
 <b>Section IV. Traffic Performed by Newfoundland Registered Trucks Inside and Outside the Province, January 1 - December 31, 1963</b>	
9. All Trucks by Type of Operation .....	12
10. All Trucks by Gross Vehicle Weight Group .....	12
 <b>Section V. Traffic Performed by Prince Edward Island Registered Trucks Inside and Outside the Province, January 1 - December 31, 1963</b>	
11. All Trucks by Type of Operation .....	13
12. All Trucks by Gross Vehicle Weight Group .....	13
 <b>Section VI. Traffic Performed by Nova Scotia Registered Trucks Inside and Outside the Province, January 1 - December 31, 1963</b>	
13. All Trucks by Type of Operation .....	14
14. All Trucks by Gross Vehicle Weight Group .....	14
 <b>Section VII. Traffic Performed by New Brunswick Registered Trucks Inside and Outside the Province, January 1 - December 31, 1963</b>	
15. All Trucks by Type of Operation .....	15
16. All Trucks by Gross Vehicle Weight Group .....	15
 <b>Appendix</b>	
A. Population B. Survey Response .....	16



ATLANTIC PROVINCES  
JANUARY 1 - DECEMBER 31, 1963

CHART - 1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

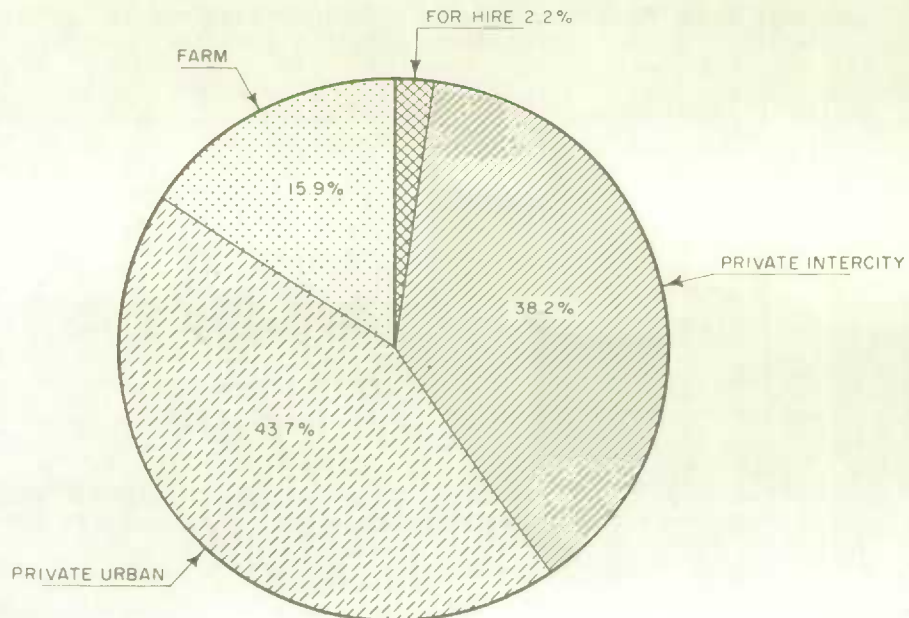
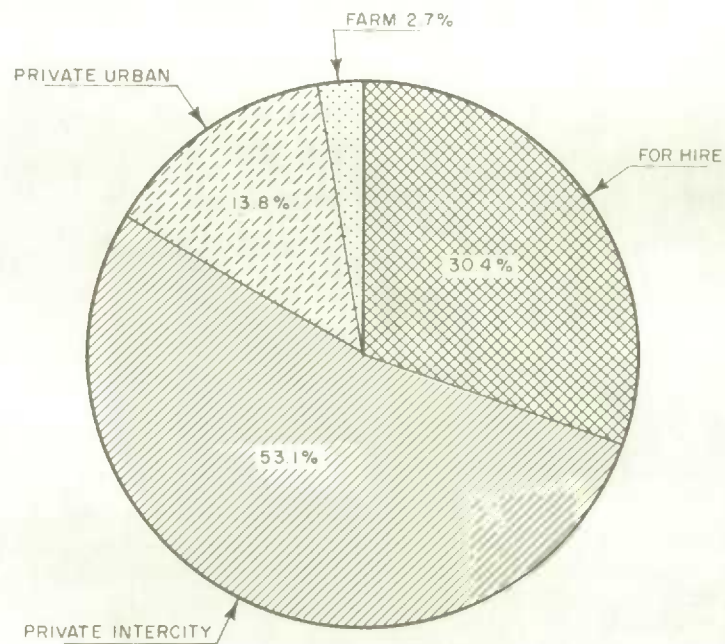


CHART - 2

NET TON MILES BY TYPE OF OPERATION



## INTRODUCTION

The 1963 annual report of motor transport traffic in the Atlantic provinces is based upon a sample of approximately 23 per cent of trucks registered in that region. To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations the sample was selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample was spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month. The surveys were therefore spread over twelve weeks during the year.

All trucks registered in the Atlantic provinces are represented except: (a) those not engaged in transportation services; and (b) military and other government-owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The

four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain on intercity routes and/or urban areas; private intercity vehicles are those owned by firms and individuals and operated on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas; and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

The classification into these four categories was made primarily on the basis of replies to the survey questionnaires with the exception of the for hire class in the province of New Brunswick, where only trucks owned by companies or individuals licensed by the Motor Carrier Board were included.

Further information on the history and the organization of motor transport traffic surveys may be found in the reports entitled "Motor Transport Traffic, National Estimates" Catalogue No. 53-207, for 1957 to 1962.

### Expansion of Survey Results

As this survey is conducted on a sample basis the data obtained for the vehicles included in the sample in each province have to be expanded to represent the traffic of each provincial truck population. Provincial data have then to be added together to arrive at totals for the Atlantic provinces. Current procedures in arriving at provincial and Atlantic provinces' totals are:

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratios provides an estimated quarterly population for each province. Prior to 1959 the data for each quarterly provincial sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selections are stratified by weight group. Therefore it is only necessary to multiply the sample in each weight group in each province by the inverse of the appropriate selection ratios to arrive at quarterly provincial populations broken down by weight group. The four quarterly populations by gross vehicle weight are added together and an average provincial weight group distribution for the year is computed. These weight group distributions are applied to the constant population. The provincial populations then have to be distributed by function. In provinces where it is not possible to use the existing licence categories this is done by using the distribution obtained from the previous year's questionnaires. This latter procedure was introduced in 1959. Prior to that year the distribution by function, when not available from the licence, was determined from completed questionnaires for each quarter, separately.
3. Now that the constant provincial populations have been calculated and broken down by function and gross vehicle weight group it is necessary to allocate vehicles included in current surveys in the same manner.
4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated in each province by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant provincial population.
5. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period.
6. The expanded data for the four quarters are added together to arrive at an annual total.



7. Annual provincial totals are added together to obtain estimates for the Atlantic provinces.

While the changes and improvements in methods of compilation mentioned above will to some extent influence comparisons of data between years the effects should not be overly significant. In addition it is emphasized that since the statistics contained in this report are calculated from a sample survey they are only estimates and not actual figures.

### Review of Survey Results

The estimated population of trucks performing transportation services in the Atlantic provinces during the year rose 4.2 per cent to 79,000 from 75,800 in 1962. Of these 1,767 or 2.2 per cent were for hire trucks; 30,179 or 38.2 per cent were private intercity vehicles; 34,511 or 43.7 per cent were private vehicles operating wholly within urban areas; and 12,543 or 15.9 per cent were farm trucks.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However in one or two cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected it does not necessarily follow that there were no vehicles in the region or province belonging to these classifications.

#### Section I: Traffic Inside and Outside the Region

Section I contains estimates of total traffic performed both inside and outside the region by trucks registered in the Atlantic provinces.

Although comprising only 2.2 per cent of region's truck population, for hire vehicles accounted for 30.4 per cent of the total net ton miles and 6.8 per cent of the total tons of goods carried during 1963. This results from the high average yearly mileage of these trucks, 18,000 miles as compared with 6,600 miles for all trucks, and from the heavy average load carried of 10.2 tons compared to 3.4 tons for all trucks. Since almost three quarters of all for hire vehicles have a gross vehicle weight of over 10 tons the heavier loads carried by these trucks are to be expected. The predominance of heavier vehicles in the for hire class also explains the low estimate of miles per gallon of gasoline of 6.2 compared with 10.1 for all trucks.

It is estimated that urban operations accounted for 3.4 per cent of the total net ton miles performed by for hire trucks registered in the Atlantic provinces (Newfoundland 50.4 per cent, Prince Edward Island 7.7 per cent, Nova Scotia 3.5 per cent and

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics.

New Brunswick 1.9 per cent) and 2.1 per cent of the total net ton miles performed by private intercity vehicles (Newfoundland 2.7 per cent, Prince Edward Island 2.3 per cent, Nova Scotia 2.0 per cent and New Brunswick 2.1 per cent).

Some trucks in the region under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for about 20 per cent of the total mileage travelled by trucks registered in the Atlantic provinces as a whole and the following percentages in the individual provinces: Newfoundland 27 per cent, Prince Edward Island 14 per cent, Nova Scotia 19 per cent and New Brunswick 18 per cent.

#### Section II: Traffic Within the Region

This section presents estimates of traffic performed within the region by trucks registered in the Atlantic provinces and excludes the "outside the region" portion of interprovincial and international traffic as well as any traffic performed entirely outside the region. Comparing the data in Section I and Section II it will be noted that for hire vehicles accumulated 74.6 per cent and private intercity 95.7 per cent of their total net ton miles inside the Atlantic region.

#### Section III: Interprovincial (Between the Atlantic Region and Other Provinces) and International Traffic

Although interprovincial and international traffic of trucks registered in the Atlantic provinces represented a significant proportion of their total traffic, the estimates of such traffic should be used with considerable caution because these data are based on returns for a comparatively small number of vehicles.

#### Section IV: Traffic Inside and Outside the Province by Newfoundland Registered Trucks

This section presents estimates of traffic performed by Newfoundland registered trucks. The estimated 1.5 per cent of Newfoundland's truck

population which was classified as for hire for this report accounted for 5.3 per cent of the total net ton miles performed.

**Section V: Traffic Inside and Outside the Province  
by Prince Edward Island Registered  
Trucks**

In Prince Edward Island for hire trucks performed 10.7 per cent of the total net ton miles although they comprised only an estimated 2.2 per cent of the total truck population and carried only 2.4 per cent of the total volume of goods. This is accounted for by the fact that each ton of goods was carried an average of 57.8 miles by the for hire vehicles compared with an average haul of 12.8 miles for all trucks.

**Section VI: Traffic Inside and Outside the Province  
by Nova Scotia Registered Trucks**

For hire trucks registered in Nova Scotia transported 1,234,000 tons of goods or 7.1 per cent of the total volume and accounted for 89.7 million net ton miles or 27.8 per cent of the total.

**Section VII: Traffic Inside and Outside the Province  
by New Brunswick Registered Trucks**

Estimates indicate that New Brunswick registered trucks transported a volume of almost 13 million tons and performed approximately 337 million net ton miles. For hire vehicles accounted for 133 million net ton miles or 39.7 per cent of the total.

**Appendix**

During the year survey questionnaires were sent to the owners or operators of 18,185 trucks. Of this number 5,815 were returned completed and 5,239 trucks were reported not used during the

survey week. The remaining 7,131 were either returned incomplete and unusable or not returned at all.

March 17, 1965.

**SECTION 1. TRAFFIC PERFORMED INSIDE AND OUTSIDE THE REGION BY TRUCKS REGISTERED IN THE ATLANTIC PROVINCES, JANUARY 1-DECEMBER 31, 1963**

**TABLE 1. All Trucks by Type of Operation**

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled .....	'000	31,841	281,419	160,089	44,939	518,288
Average yearly mileage per truck .....		18,000	9,300	4,600	3,600	6,600
Average distance each ton was carried .....		86.5	23.5	5.9	10.4	19.2
Percentage of total mileage travelled empty .....		29.4	59.2	58.2	60.2	57.2
Fuel:						
Total gallons of gasoline consumed .....	'000	3,428	27,998	14,663	3,655	49,744
Miles per gallon of gasoline .....		6.2	9.9	10.9	12.3	10.1
Total gallons of diesel oil consumed .....	'000	1,721	677	111	—	2,509
Miles per gallon of diesel oil .....		6.2	6.5	5.8	—	6.3
Total gallons of other fuel consumed .....	'000	—	43	—	—	43
Miles per gallon of other fuel .....		—	5.4	—	—	5.4
Weight of goods carried:						
Total tons of goods carried .....	'000	2,652	16,977	17,631	1,926	39,186
Average weight carried <sup>1</sup> .....	ton	10.2	3.5	1.6	1.1	3.4
Net ton miles:						
Total net ton miles performed .....	'000	229,215	399,621	104,311	20,049	753,196
Average net ton miles per truck .....		129,700	13,200	3,000	1,600	9,500
Capacity ton miles:						
Total capacity ton miles <sup>2</sup> .....	'000	434,038	1,135,115	368,472	78,462	2,016,087
Average capacity ton miles per truck .....		245,600	37,600	10,700	6,300	25,500
Percentage of capacity utilized .....		52.8	35.2	28.3	25.6	37.4
Gross ton miles:						
Total gross ton miles <sup>3</sup> .....	'000	539,538	1,346,221	509,227	120,275	2,515,261
Average gross ton miles per truck .....		305,300	44,600	14,800	9,600	31,800
Revenue:						
Total revenue .....	\$'000	17,492	—	—	—	—
Revenue per ton mile .....	¢	7.6	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	54.9	—	—	—	—
Average revenue per truck .....	\$	9,900	—	—	—	—
Estimated annual population .....		1,767	30,179	34,511	12,543	79,000

**TABLE 2. All Trucks by Gross Vehicle Weight Group**

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
<b>Mileage:</b>							
Total mileage travelled .....	'000	80,629	249,090	22,812	48,323	73,034	518,288
Average yearly mileage per truck .....		4,900	5,800	5,000	7,300	11,700	6,600
Average distance each ton was carried .....		12.6	14.2	10.1	12.6	12.5	19.2
Percentage of total mileage travelled empty .....		72.2	65.3	38.1	40.5	43.1	57.2
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	5,559	20,423	2,491	6,139	9,907	49,744
Miles per gallon of gasoline .....		14.5	12.2	9.1	7.9	7.3	10.1
Total gallons of diesel oil consumed .....	'000	—	12	3	12	107	2,509
Miles per gallon of diesel oil .....		—	9.1	8.6	6.2	5.4	6.3
Total gallons of other fuel consumed .....	'000	—	2	—	—	34	43
Miles per gallon of other fuel .....		—	15.0	—	—	4.8	5.4
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	437	3,208	2,297	7,709	18,793	39,186
Average weight carried <sup>1</sup> .....	ton	0.2	0.5	1.6	3.4	5.6	3.4
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	5,491	45,405	23,177	97,447	234,796	753,196
Average net ton miles per truck .....		300	1,100	5,100	14,800	37,700	9,500
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	'000	63,741	339,506	76,494	263,442	577,261	2,016,087
Average capacity ton miles per truck .....		3,900	7,900	16,900	39,900	92,700	25,500
Percentage of capacity utilized .....		8.6	13.4	30.3	37.0	40.7	37.4
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	'000	129,447	583,318	102,253	293,280	590,628	2,515,261
Average gross ton miles per truck .....		7,800	13,500	22,600	44,400	94,800	31,800
Estimated annual population .....		16,503	43,250	4,519	6,604	6,226	79,000

See footnotes at end of Table 16, page 15.



TABLE 3. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton miles
	'000 tons	'000	'000	tons	miles	\$'000	¢
20,000 lb. and under .....	376	1,481	3,892	2.6	10.3	1,404	36.1
20,001-30,000 lb. ....	772	4,941	23,519	4.8	30.5	3,671	15.6
30,001-50,000 lb. ....	494	5,591	40,766	7.3	82.6	3,851	9.4
50,001 lb. and over .....	1,010	10,478	161,038	15.4	159.5	8,566	5.3
<b>Totals .....</b>	<b>2,652</b>	<b>22,491</b>	<b>229,215</b>	<b>10.2</b>	<b>86.5</b>	<b>17,492</b>	<b>7.6</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lb. and under .....	929	48,007	23,406	0.5			25.2
10,001-20,000 lb. ....	4,590	27,494	81,967	3.0			17.9
20,001-30,000 lb. ....	8,670	28,036	162,871	5.8			18.8
30,001 lb. and over .....	2,788	11,314	131,377	11.6			47.1
<b>Totals .....</b>	<b>16,977</b>	<b>114,851</b>	<b>399,621</b>	<b>3.5</b>			<b>23.5</b>

TABLE 4. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	\$'000	tons	miles	\$'000	¢
Live animals.....	4	57	297	5.2	83.0	48	18.2
Food, feed, beverages and tobacco.....	378	5,888	57,596	9.8	152.5	3,712	6.4
Crude materials, inedible .....	678	1,085	12,949	11.9	19.1	972	7.5
Fabricated materials, inedible.....	610	4,186	61,994	14.8	101.7	3,360	5.5
End products, inedible .....	215	2,910	20,229	7.0	94.0	2,620	13.0
General freight .....	767	8,365	76,150	9.1	99.3	6,760	8.9
<b>Totals .....</b>	<b>2,652</b>	<b>22,491</b>	<b>229,215</b>	<b>10.2</b>	<b>86.5</b>	<b>17,492</b>	<b>7.6</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals.....	40	1,304	1,878	1.4			46.2
Food, feed, beverages and tobacco.....	1,534	32,225	81,265	2.5			53.0
Crude materials, inedible .....	10,482	21,484	147,048	6.8			14.0
Fabricated materials, inedible.....	3,423	18,540	110,532	6.0			32.3
End products, inedible .....	731	22,037	32,290	1.5			44.2
General freight .....	767	19,261	26,608	1.4			34.7
<b>Totals .....</b>	<b>16,977</b>	<b>114,851</b>	<b>399,621</b>	<b>3.5</b>			<b>23.5</b>

**SECTION II. TRAFFIC PERFORMED WITHIN THE REGION BY TRUCKS REGISTERED IN THE ATLANTIC PROVINCES  
JANUARY 1-DECEMBER 31, 1963**

**TABLE 5. All Trucks by Type of Operation**

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled .....	'000	26,701	278,173	160,089	44,939	509,902
Average yearly mileage per truck .....		15,100	9,200	4,600	3,600	6,500
Average distance each ton was carried .....		66.6	22.5	5.9	10.4	17.4
Percentage of total mileage travelled empty .....		30.1	59.4	58.2	60.2	57.6
Fuel:						
Total gallons of gasoline consumed .....	'000	3,108	27,560	14,663	3,655	48,986
Miles per gallon of gasoline .....		6.2	9.9	10.9	12.3	10.2
Total gallons of diesel oil consumed .....	'000	1,159	641	111	—	1,911
Miles per gallon of diesel oil .....		6.5	6.5	5.8	—	6.4
Total gallons of other fuel consumed .....	'000	—	43	—	—	43
Miles per gallon of other fuel .....		—	5.4	—	—	5.4
Weight of goods carried:						
Total tons of goods carried .....	'000	2,644	16,973	17,631	1,926	39,174
Average weight carried <sup>1</sup> .....	ton	9.4	3.4	1.6	1.1	3.2
Net ton miles:						
Total net ton miles performed .....	'000	175,976	382,579	104,311	20,049	682,915
Average net ton miles per truck .....		99,600	12,700	3,000	1,600	8,600
Capacity ton miles:						
Total capacity ton miles <sup>2</sup> .....	'000	349,916	1,098,455	368,472	78,462	1,895,305
Average capacity ton miles per truck .....		198,000	36,400	10,700	6,300	24,000
Percentage of capacity utilized .....		50.3	34.8	28.3	25.6	36.0
Gross ton miles:						
Total gross ton miles <sup>3</sup> .....	'000	425,304	1,307,359	509,227	120,275	2,362,165
Average gross ton miles per truck .....		240,700	43,300	14,800	9,600	29,900
Revenue:						
Total revenue .....	\$'000	14,589	—	—	—	—
Revenue per ton mile .....	¢	8.3	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	54.6	—	—	—	—
Average revenue per truck .....	\$	8,300	—	—	—	—
Estimated annual population .....		1,767	30,179	34,511	12,543	79,000

**TABLE 6. All Trucks by Gross Vehicle Weight Group**

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
<b>Mileage:</b>							
Total mileage travelled .....	'000	80,499	248,999	22,799	48,255	71,337	509,902
Average yearly mileage per truck .....		4,900	5,800	5,000	7,300	11,500	6,500
Average distance each ton was carried .....		12.5	14.2	10.1	12.6	12.2	17.4
Percentage of total mileage travelled empty .....		72.3	65.3	38.1	40.4	43.0	57.6
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	5,550	20,418	2,489	6,133	9,686	46,986
Miles per gallon of gasoline .....		14.5	12.2	9.1	7.9	7.3	10.2
Total gallons of diesel oil consumed .....	'000	—	12	3	12	106	1,911
Miles per gallon of diesel oil .....		—	9.1	8.6	6.2	5.4	6.4
Total gallons of other fuel consumed .....	'000	—	2	—	—	34	43
Miles per gallon of other fuel .....		—	15.0	—	—	4.8	5.4
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	437	3,207	2,997	7,709	18,790	39,174
Average weight carried <sup>1</sup> .....	ton	0.2	0.5	1.6	3.4	5.6	3.2
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	5,468	45,392	23,163	97,341	228,334	682,915
Average net ton miles per truck .....		300	1,100	5,100	14,700	36,700	8,600
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	'000	63,608	339,350	76,454	263,119	562,529	1,895,305
Average capacity ton miles per truck .....		3,900	7,800	16,900	39,800	90,300	24,000
Percentage of capacity utilized .....		8.6	13.4	30.3	37.0	40.6	36.0
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	'000	129,215	583,092	102,193	292,920	575,476	2,362,165
Average gross ton miles per truck .....		7,800	13,500	22,600	44,400	92,400	29,900
Estimated annual population .....		16,503	43,250	4,519	6,604	6,228	79,000

See footnotes at end of Table 16, page 15.

**SECTION III. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY TRUCKS REGISTERED  
IN THE ATLANTIC PROVINCES, JANUARY 1-DECEMBER 31, 1963\***

**TABLE 7. Tons of Goods Carried by Province of Origin and Destination**

Origin and destination	For hire			Private intercity			Total		
	Into Atlantic region	Out of Atlantic region	Total	Into Atlantic region	Out of Atlantic region	Total	Into Atlantic region	Out of Atlantic region	Total
	*000 tons								
Quebec .....	46	50	96	2	7	9	48	57	105
Ontario .....	3	2	5	2	1	3	5	3	8
Manitoba .....	—	—	—	—	—	—	—	—	—
Saskatchewan .....	—	—	—	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	—	—	—	—
British Columbia .....	—	—	—	—	—	—	—	—	—
Yukon and Northwest Territories .....	—	—	—	—	—	—	—	—	—
United States .....	1	48	49	29	114	143	30	162	192
<b>Totals .....</b>	<b>50</b>	<b>100</b>	<b>150</b>	<b>33</b>	<b>122</b>	<b>155</b>	<b>83</b>	<b>222</b>	<b>305</b>

**TABLE 8. Selected Statistics by Commodity Group**

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	*000 tons	*000	*000	tons	miles	\$'000	¢
Live animals .....	—	—	—	—	—	—	—
Food, feed, beverages and tobacco .....	51	1,898	26,753	14.1	521.5	1,079	4.0
Crude materials, inedible .....	4	247	3,317	13.4	921.4	100	3.0
Fabricated materials, inedible .....	44	997	18,146	18.2	414.2	815	4.5
End products, inedible .....	10	758	6,786	9.0	715.1	841	12.4
General freight .....	41	951	14,485	15.2	351.7	712	4.9
<b>Totals .....</b>	<b>150</b>	<b>4,851</b>	<b>69,467</b>	<b>14.3</b>	<b>464.2</b>	<b>3,547</b>	<b>5.1</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	*000 tons	*000	*000	tons	miles		
Live animals .....	1	16	63	4.0	80.0		
Food, feed, beverages and tobacco .....	60	1,417	12,377	8.7	207.2		
Crude materials, inedible .....	59	521	6,764	13.0	113.8		
Fabricated materials, inedible .....	27	289	3,700	12.8	137.2		
End products, inedible .....	4	268	1,076	4.0	303.2		
General freight .....	4	216	3,136	14.5	749.2		
<b>Totals .....</b>	<b>155</b>	<b>2,727</b>	<b>27,116</b>	<b>9.9</b>	<b>175.3</b>		

See footnote at end of Table 16, page 15.



**SECTION IV. TRAFFIC PERFORMED BY NEWFOUNDLAND REGISTERED TRUCKS INSIDE AND OUTSIDE  
THE PROVINCE JANUARY 1-DECEMBER 31, 1963<sup>4</sup>**

**TABLE 9. All Trucks by Type of Operation**

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	1,396	47,600	37,592	2,697	89,285
Average yearly mileage per truck .....		6,000	7,600	4,800	4,000	5,900
Average distance each ton was carried .....		9.6	18.0	4.9	17.3	9.8
Percentage of total mileage travelled empty .....		39.6	67.6	62.4	43.8	64.2
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	182	4,561	3,270	205	8,218
Miles per gallon of gasoline .....		7.4	10.4	11.4	13.1	10.8
Total gallons of diesel oil consumed .....	'000	6	61	69	—	136
Miles per gallon of diesel oil .....		9.0	4.5	6.3	—	5.6
Total gallons of other fuel consumed .....	'000	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	412	2,637	4,421	35	7,505
Average weight carried <sup>1</sup> .....	ton	4.7	3.1	1.5	0.4	2.3
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	3,936	47,423	21,642	612	73,613
Average net ton miles per truck .....		16,900	7,500	2,700	900	4,900
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	9,561	144,170	80,488	3,425	237,644
Average capacity ton miles per truck .....		41,000	22,900	10,200	5,000	15,700
Percentage of capacity utilized .....		41.2	32.9	26.9	17.9	31.0
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	10,663	180,614	111,052	6,051	308,380
Average gross ton miles per truck .....		45,800	28,700	14,100	8,900	20,400
<b>Revenue:</b>						
Total revenue .....	\$'000	860	—	—	—	—
Revenue per ton mile .....	¢	21.8	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	61.6	—	—	—	—
Average revenue per truck .....	\$	3,700	—	—	—	—
Estimated annual population .....		233	6,287	7,899	681	15,100

**TABLE 10. All Trucks by Gross Vehicle Weight Group**

		0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	Over 10 tons 20,001 lb. and over	Total
<b>Mileage:</b>							
Total mileage travelled .....	'000	38,376	25,071	3,685	7,887	14,266	89,285
Average yearly mileage per truck .....		4,800	6,600	5,500	6,500	10,000	5,900
Average distance each ton was carried .....		12.7	16.9	9.3	11.9	8.8	9.8
Percentage of total mileage travelled empty .....		77.3	65.6	49.1	40.2	43.7	64.2
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	2,795	2,064	411	1,030	1,918	8,218
Miles per gallon of gasoline .....		13.7	12.1	9.0	7.6	7.1	10.8
Total gallons of diesel oil consumed .....	'000	—	12	—	2	122	136
Miles per gallon of diesel oil .....		—	9.1	—	9.0	5.2	5.6
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	178	344	434	1,286	5,263	7,505
Average weight carried <sup>1</sup> .....	ton	0.3	0.7	2.1	3.3	5.8	2.3
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	2,267	5,810	4,022	15,361	46,153	73,613
Average net ton miles per truck .....		300	1,500	6,000	12,700	32,300	4,900
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	'000	33,014	35,412	13,704	43,051	112,463	237,644
Average capacity ton miles per truck .....		4,100	9,400	20,600	35,500	78,700	15,700
Percentage of capacity utilized .....		6.9	16.4	29.3	35.7	41.0	31.0
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	'000	65,409	61,777	17,095	47,496	116,603	308,380
Average gross ton miles per truck .....		8,200	16,400	25,700	39,200	81,600	20,400
Estimated annual population .....		8,021	3,772	665	1,213	1,429	15,100

See footnotes at end of Table 16, page 15.

**SECTION V. TRAFFIC PERFORMED BY PRINCE EDWARD ISLAND REGISTERED TRUCKS INSIDE AND OUTSIDE  
THE PROVINCE, JANUARY 1-DECEMBER 31, 1963\***

**TABLE 11. All Trucks by Type of Operation**

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	586	17,849	4,713	6,599	29,747
Average yearly mileage per truck .....		4,000	7,200	2,900	2,800	4,500
Average distance each ton was carried .....		57.8	16.4	5.7	5.0	12.8
Percentage of total mileage travelled empty .....		37.9	62.4	53.7	67.3	61.6
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	35	1,518	400	490	2,443
Miles per gallon of gasoline .....		8.1	11.7	11.8	13.5	12.0
Total gallons of diesel oil consumed .....	'000	41	—	—	—	41
Miles per gallon of diesel oil .....		7.3	—	—	—	7.3
Total gallons of other fuel consumed .....	'000	—	2	—	—	2
Miles per gallon of other fuel .....		—	15.0	—	—	15.0
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	37	880	244	390	1,551
Average weight carried <sup>1</sup> .....	ton	5.6	2.1	0.6	0.9	1.7
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	2,121	14,410	1,389	1,948	19,866
Average net ton miles per truck .....		14,500	5,800	900	800	3,000
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	6,436	41,964	6,169	8,101	62,670
Average capacity ton miles per truck .....		44,100	16,900	3,800	3,400	9,500
Percentage of capacity utilized .....		33.0	34.3	22.5	24.1	31.7
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	6,435	54,820	10,077	13,164	84,496
Average gross ton miles per truck .....		44,100	22,000	6,300	5,600	12,800
<b>Revenue:</b>						
Total revenue .....	\$'000	290	—	—	—	—
Revenue per ton mile .....	¢	13.7	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	49.6	—	—	—	—
Average revenue per truck .....	\$	2,000	—	—	—	—
Estimated annual population .....		146	2,489	1,608	2,357	6,600

**TABLE 12. All Trucks by Gross Vehicle Weight Group**

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 10,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
<b>Mileage:</b>							
Total mileage travelled .....	'000	19,144	4,592	1,663	617	2,976	29,747
Average yearly mileage per truck .....		4,300	4,300	4,800	4,200	6,500	4,500
Average distance each ton was carried .....		10.7	5.3	16.2	22.5	12.0	12.8
Percentage of total mileage travelled empty .....		70.0	47.5	43.2	40.4	49.8	61.6
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	1,293	405	178	99	421	2,443
Miles per gallon of gasoline .....		14.8	11.3	9.1	8.2	7.1	12.0
Total gallons of diesel oil consumed .....	'000	—	—	3	—	—	41
Miles per gallon of diesel oil .....		—	—	8.6	—	—	7.3
Total gallons of other fuel consumed .....	'000	—	2	—	—	—	2
Miles per gallon of other fuel .....		—	15.0	—	—	—	15.0
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	148	340	94	63	882	1,551
Average weight carried <sup>1</sup> .....	ton	0.3	0.8	1.6	2.9	7.1	1.7
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	1,582	1,814	1,531	1,415	10,563	19,866
Average net ton miles per truck .....		400	1,700	4,500	7,200	23,100	3,000
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	'000	13,937	7,015	5,336	4,212	24,378	62,670
Average capacity ton miles per truck .....		3,100	6,600	15,600	21,500	53,300	9,500
Percentage of capacity utilized .....		11.4	25.9	28.7	33.6	43.3	31.7
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	'000	28,247	11,597	7,147	4,700	24,923	84,496
Average gross ton miles per truck .....		6,300	10,900	20,800	24,000	54,500	12,800
Estimated annual population .....		4,496	1,062	343	196	457	6,600

See footnotes at end of Table 16, page 15.

**SECTION VI. TRAFFIC PERFORMED BY NOVA SCOTIA REGISTERED TRUCKS INSIDE AND OUTSIDE  
THE PROVINCE JANUARY 1-DECEMBER 31, 1963**

**TABLE 13. All Trucks by Type of Operation**

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled .....	'000	14,275	108,149	70,247	16,902	209,573
Average yearly mileage per truck .....		18,800	8,900	4,400	4,100	6,300
Average distance each ton was carried .....		72.7	24.3	5.6	12.8	18.7
Percentage of total mileage travelled empty .....		27.7	57.3	60.9	66.1	57.2
Fuel:						
Total gallons of gasoline consumed .....	'000	1,808	11,055	6,446	1,377	20,686
Miles per gallon of gasoline .....		6.1	9.6	10.9	12.3	9.9
Total gallons of diesel oil consumed .....	'000	479	285	41	—	805
Miles per gallon of diesel oil .....		6.8	7.0	4.9	—	6.8
Total gallons of other fuel consumed .....	'000	—	15	—	—	15
Miles per gallon of other fuel .....		—	5.9	—	—	5.9
Weight of goods carried:						
Total tons of goods carried .....	'000	1,234	7,533	8,046	456	17,269
Average weight carried <sup>1</sup> .....	ton	8.7	4.0	1.6	1.0	4.1
Net ton miles:						
Total net ton miles performed .....	'000	89,684	182,683	44,928	5,824	323,119
Average net ton miles per truck .....		118,200	15,000	2,806	1,400	9,800
Capacity ton miles:						
Total capacity ton miles <sup>2</sup> .....	'000	184,862	493,765	151,279	27,116	857,022
Average capacity ton miles per truck .....		243,600	40,700	9,400	6,600	25,900
Percentage of capacity utilized .....		48.5	37.0	29.7	21.5	37.7
Gross ton miles:						
Total gross ton miles <sup>3</sup> .....	'000	225,973	570,816	217,667	42,344	1,056,800
Average gross ton miles per truck .....		297,700	47,000	13,600	10,200	31,900
Revenue:						
Total revenue .....	\$'000	7,193	—	—	—	—
Revenue per ton mile .....	¢	8.0	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	50.4	—	—	—	—
Average revenue per truck .....	\$	9,500	—	—	—	—
Estimated annual population .....		759	12,141	16,064	4,136	33,100

**TABLE 14. All Trucks by Gross Vehicle Weight Group**

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
<b>Mileage:</b>							
Total mileage travelled .....	'000	18,357	109,071	9,180	20,046	31,966	209,573
Average yearly mileage per truck .....		5,600	4,900	5,200	9,000	12,500	6,300
Average distance each ton was carried .....		14.9	10.9	11.2	16.0	12.9	18.7
Percentage of total mileage travelled empty .....		65.0	69.5	37.3	36.7	42.7	57.2
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	1,171	8,997	1,014	2,490	4,259	26,686
Miles per gallon of gasoline .....		15.7	12.1	9.0	8.0	7.5	9.9
Total gallons of diesel oil consumed .....	'000	—	—	—	10	6	805
Miles per gallon of diesel oil .....		—	—	—	5.7	9.2	6.8
Total gallons of other fuel consumed .....	'000	—	—	—	—	8	15
Miles per gallon of other fuel .....		—	—	—	—	5.8	5.9
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	93	1,684	844	2,476	7,819	17,269
Average weight carried <sup>1</sup> .....	ton	0.2	0.6	1.7	3.1	5.5	4.1
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	1,386	18,365	9,473	39,644	100,533	323,119
Average net ton miles per truck .....		400	600	5,400	17,700	39,300	9,800
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	'000	12,666	135,781	29,178	109,277	247,279	857,022
Average capacity ton miles per truck .....		3,900	6,100	16,700	48,900	96,700	25,900
Percentage of capacity utilized .....		10.9	13.5	32.5	36.3	40.7	37.7
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	'000	27,717	238,529	41,163	122,183	256,241	1,056,800
Average gross ton miles per truck .....		8,400	10,700	23,500	54,600	100,200	31,900
Estimated annual population .....		3,287	22,270	1,751	2,236	2,557	33,100

See footnotes at end of Table 16, page 15.



**SECTION VII. TRAFFIC PERFORMED BY NEW BRUNSWICK REGISTERED TRUCKS INSIDE AND OUTSIDE  
THE PROVINCE, JANUARY 1-DECEMBER 31, 1963**

**TABLE 15. All Trucks by Type of Operation**

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	15,584	107,821	47,537	18,741	189,683
Average yearly mileage per truck .....		24,800	11,600	5,300	3,500	7,800
Average distance each ton was carried .....		137.8	26.2	7.4	11.2	26.2
Percentage of total mileage travelled empty .....		29.7	56.9	51.5	54.9	53.1
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	1,403	10,864	4,547	1,583	18,397
Miles per gallon of gasoline .....		6.0	9.7	10.5	11.8	9.8
Total gallons of diesel oil consumed .....	'000	1,195	331	1	—	1,527
Miles per gallon of diesel oil .....		6.0	6.4	5.7	—	6.1
Total gallons of other fuel consumed .....	'000	—	26	—	—	26
Miles per gallon of other fuel .....		—	4.4	—	—	4.4
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	969	5,927	4,920	1,045	12,861
Average weight carried <sup>1</sup> .....	ton	12.2	3.3	1.6	1.4	3.8
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	133,474	155,105	36,352	11,665	336,596
Average net ton miles per truck .....		212,200	16,700	4,100	2,200	13,900
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	233,179	455,216	130,536	39,820	858,751
Average capacity ton miles per truck .....		370,700	49,100	14,600	7,400	35,500
Percentage of capacity utilized .....		57.2	34.1	27.8	29.3	39.2
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	296,467	539,971	170,431	56,716	1,065,585
Average gross ton miles per truck .....		471,300	58,300	19,100	10,900	44,000
<b>Revenue:</b>						
Total revenue .....	\$'000	9,149	—	—	—	—
Revenue per ton mile .....	¢	6.9	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	58.7	—	—	—	—
Average revenue per truck .....	\$	14,500	—	—	—	—
Estimated annual population .....		629	9,262	8,940	5,369	24,200

**TABLE 16. All Trucks by Gross Vehicle Weight Group**

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
<b>Mileage:</b>							
Total mileage travelled .....	'000	4,752	110,356	8,304	19,573	24,550	189,683
Average yearly mileage per truck .....		6,800	6,800	4,700	6,600	13,100	7,800
Average distance each ton was carried .....		14.1	23.1	6.8	10.6	15.4	26.2
Percentage of total mileage travelled empty .....		66.9	61.9	33.0	44.4	42.3	53.1
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	300	8,957	888	2,520	3,415	18,397
Miles per gallon of gasoline .....		15.9	12.3	9.4	7.8	7.1	9.8
Total gallons of diesel oil consumed .....	'000	—	—	—	—	5	1,527
Miles per gallon of diesel oil .....		—	—	—	—	7.4	6.1
Total gallons of other fuel consumed .....	'000	—	—	—	—	26	26
Miles per gallon of other fuel .....		—	—	—	—	4.4	4.4
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	18	840	925	3,884	5,281	12,861
Average weight carried <sup>1</sup> .....	ton	0.2	0.5	1.5	3.8	5.7	3.8
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	256	19,416	8,151	41,027	81,081	336,596
Average net ton miles per truck .....		400	1,200	4,600	13,900	43,200	13,900
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	'000	4,124	161,298	28,276	106,902	202,473	858,751
Average capacity ton miles per truck .....		5,900	10,000	16,100	36,100	107,900	35,500
Percentage of capacity utilized .....		6.2	12.0	28.8	36.4	40.0	39.2
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	'000	8,074	271,415	36,848	118,901	201,832	1,065,585
Average gross ton miles per truck .....		11,600	16,800	20,900	40,200	107,600	44,000
Estimated annual population .....		699	16,146	1,760	2,959	1,876	24,200

<sup>1</sup> Net ton miles divided by miles travelled with load.<sup>2</sup> Capacity ton miles are determined by multiplying the actual number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.<sup>3</sup> Gross ton miles are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.<sup>4</sup> These estimates contain a large degree of sampling error and should be used with considerable caution.



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## APPENDIX

Type of operation and gross vehicle weight group	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Total
<b>A. Population</b>					
Estimated truck population in the Atlantic Provinces in 1963					
For hire .....	233	146	759	629	1,767
Private:					
Intercity .....	6,287	2,489	12,141	9,262	30,179
Urban .....	7,899	1,608	16,084	8,940	34,511
Farm .....	681	2,357	4,136	5,369	12,543
<b>Totals</b> .....	<b>15,100</b>	<b>6,600</b>	<b>33,100</b>	<b>24,200</b>	<b>79,000</b>
0 - 5,000 lb. ....	8,021	4,496	3,287	699	16,503
5,001 - 10,000 " ..	3,772	1,062	22,270	16,146	43,250
10,001 - 15,000 " ..	665	343	1,751	1,760	4,519
15,001 - 20,000 " ..	1,213	196	2,236	2,959	6,604
20,001 - 30,000 " ..	1,338	457	2,557	1,876	6,228
30,001 lb. and over ..	91	46	999	760	1,896
<b>Totals</b> .....	<b>15,100</b>	<b>6,600</b>	<b>33,100</b>	<b>24,200</b>	<b>79,000</b>
<b>B. Survey Response</b>					
Total number of trucks selected in samples					
For hire .....	306	128	646	524	1,604
Private:					
Intercity .....	2,493	864	3,047	1,931	8,335
Urban .....	2,502	369	1,996	1,845	6,712
Farm .....	62	498	404	550	1,534
<b>Totals</b> .....	<b>5,363</b>	<b>1,859</b>	<b>6,093</b>	<b>4,850</b>	<b>18,185</b>
Number of questionnaires returned completed					
For hire .....	105	19	221	181	526
Private:					
Intercity .....	843	176	1,053	596	2,668
Urban .....	866	73	703	564	2,206
Farm .....	29	104	148	134	415
<b>Totals</b> .....	<b>1,843</b>	<b>372</b>	<b>2,125</b>	<b>1,475</b>	<b>5,815</b>
Number of sampled trucks reported not in use during survey week					
For hire .....	98	48	191	121	418
Private:					
Intercity .....	798	236	857	563	2,454
Urban .....	784	96	523	521	1,926
Farm .....	22	133	96	150	401
<b>Totals</b> .....	<b>1,702</b>	<b>515</b>	<b>1,667</b>	<b>1,355</b>	<b>5,239</b>
Number of questionnaires not returned or returned incomplete and unusable					
For hire .....	103	61	234	222	620
Private:					
Intercity .....	852	452	1,137	772	3,213
Urban .....	852	198	770	760	2,580
Farm .....	31	261	160	266	718
<b>Totals</b> .....	<b>1,838</b>	<b>972</b>	<b>2,301</b>	<b>2,020</b>	<b>7,131</b>