

88.3
C16
D
1956

53-214

C.3



CANADA, DRS



MOTOR TRANSPORT TRAFFIC STATISTICS

PROVINCE OF BRITISH COLUMBIA

1956

Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Transportation and Public Utilities Section

8504-554-126

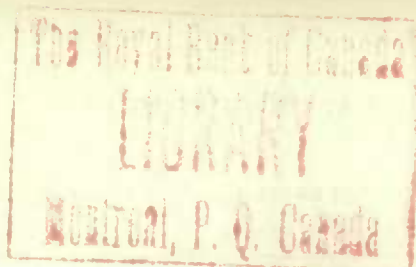
Price 25 cents

388.3

C16

D

1956



(March 14, 1958)

TABLE OF CONTENTS

	Page
Introduction	5
Review of Survey Results	6
 Section I. Motor Truck Traffic Performed by British Columbia Registered Trucks Inside and Outside the Province	
Table 1. Total Mileage Travelled	9
Table 2. Total Fuel Consumption	9
Table 3. Total Goods Carried and Ton Miles Performed	10
Table 4. Total Truck Capacity	11
Table 5. Total Gross Ton Miles Performed	12
Table 6. Total Revenue from Operations Performed by For Hire Carriers	12
 Section II. Motor Truck Traffic Performed by British Columbia Registered Trucks Within the Province	
Table 7. Mileage Travelled Within the Province	12
Table 8. Fuel Consumption Within the Province	13
Table 9. Goods Carried and Ton Miles Performed Within the Province	14
Table 10. Truck Capacity Within the Province	15
Table 11. Gross Ton Miles Performed Within the Province	16
Table 12. Revenue from Operations Performed by For Hire Carriers Within the Province	16
 Section III. Motor Truck Traffic Performed by British Columbia Registered Trucks Engaged in Interprovincial and International Traffic	
Table 13. Total Tons of Goods Carried Into and Out of British Columbia by Origin and Destination, by Type of Operation	16
Table 14. Interprovincial and International Traffic by Gross Vehicle Weight Groups	17
Table 15. Commodities Carried by British Columbia Registered Trucks in Interprovincial and International Traffic	17
 Section IV. Motor Bus Traffic Performed by British Columbia Registered Buses Inside and Outside the Province	
Table 16. Mileage, Fuel, Passengers and Passenger Miles, Capacity and Revenue	18
 Section V. Motor Bus Traffic Performed by British Columbia Registered Buses Within the Province	
Table 17. Mileage, Fuel, Passengers and Passenger Miles, Capacity and Revenue	18
Appendix I. Sampling Results	19

INTRODUCTION

This report presents the results of the annual motor transport traffic survey conducted in the province of British Columbia at three month intervals during the period January 1, 1956 to December 31, 1956. The first report for this province provided similar statistics covering the period July 1, 1955 to June 30, 1956.

These annual surveys have been made possible through the excellent co-operation received from the trucking industry and in particular from the officials of the Government of British Columbia, in allowing the Dominion Bureau of Statistics access to the motor vehicle registration records from which samples of trucks and buses were selected each quarter.

General Description of the Sample

An overall annual sample of approximately 10 per cent of all trucks and intercity buses registered in British Columbia was selected for this survey. To allow for seasonal variations in motor transport traffic and to ensure that the sample vehicles represented current registrations in force, the annual survey was conducted in four quarterly segments with approximately $2\frac{1}{2}$ per cent of total registrations sampled each quarter. Vehicles selected were coded so that a particular vehicle would not be chosen more than once during any licence year. Each quarterly segment of the survey ran for a seven day period, Sunday through Saturday.

All trucks and buses registered in the province are represented except those vehicles considered not to be engaged in transportation services, buses utilized for scheduled urban transit services and vehicles not required to obtain a British Columbia licence under Section 18 of the British Columbia Motor Vehicle Act. 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.

While an annual sample of 10 per cent of all trucks registered in the province was considered sufficient to obtain reliable statistics, greater accuracy was achieved by stratifying the sample by weight groups. For example, almost 41,000 vehicles or approximately 51 per cent of the provincial total have a gross vehicle weight of 5000 pounds or less, whereas only about 3000 trucks are in the over 30,000 pound group. More reliable results were obtained not only by concentrating higher sampling ratios among the weight groups containing the large-

est vehicles with the most diversified type of operations, but also by ensuring that each weight group contained a sufficient number of vehicles for expansion purposes. The proportion selected by weight group varied, therefore, from 5 per cent in the lowest weight group to about 32 per cent in the heaviest with the result that an overall sample of 10 per cent of registrations was made to represent approximately 20 per cent of total motor vehicle capacity.

The quarterly samples were also stratified by function or type of operation into the four categories: for hire, private intercity, private urban and private farm. For hire trucks are those operated for compensation or gain anywhere in the province according to licence; private intercity trucks are those which are owned and operated on intercity routes by business, industry and individuals to transport their own raw materials, finished goods or merchandise; private urban vehicles are those which are operated predominantly within urban or metropolitan areas; and, private farm trucks are those operated by farmers primarily for the transportation of farm produce and farm supplies, or for farm service purposes.

In British Columbia for the period covered by this report, trucks operated for compensation or gain as contract or common carriers and engaged in either urban and/or intercity operations as well as certain classes of private intercity and farm trucks were required to obtain a motor carrier licence in addition to a motor vehicle licence making it possible to identify them prior to the survey. All other vehicles, for which a motor vehicle licence only was required, were assigned to the various classes on the basis of predominant type of operation, as shown by replies to the survey questionnaire.

Expansion of the Survey Results

Since each quarterly sample was selected at random, the final distribution of each sample by gross vehicle weight and by function was used to provide population estimates at the time of the sample selection. The results of each quarterly survey were then expanded to represent all trucks and intercity buses registered in the province as well as the operations performed during the three month period. Generally, this was achieved by multiplying the

sample results by the inverse ratio of the sample to the population and by the ratio of three months to one week. Expansion on the basis of the relative size of the sample and population varied with each gross vehicle weight group and with the breakdown of the gross sample into various categories of response. Since there are 13 weeks in a three month period, time expansion was achieved by multiplying by 13 in all cases.

The resulting expanded data for each of the four quarterly surveys were then combined to obtain provincial estimates for the twelve month period. Yearly operating averages such as average yearly

mileage were calculated from the average number of vehicles registered during the twelve month period. All other operating ratios were obtained from the twelve month aggregates.

Review of Survey Results

Excluding vehicles which do not perform transportation services, the average number of trucks registered in British Columbia during the twelve month period ending December 31, 1956 was 79,761. Of this number, 3,780 or 5 per cent were common or for hire carriers, 33,108 or 41 per cent were private intercity trucks owned and operated by individuals, business and industry to transport their own goods; 29,985 or 38 per cent were trucks used in urban operations and 12,888 or 16 per cent were farm trucks used mainly in the growing, servicing and market activities of the farmer.

Blanks appear in a number of places in the following tables, where no vehicles of certain weight classifications were selected in any of the four samples. It does not necessarily follow that there were no vehicles belonging to these classifications in operation in the province. Those cells marked with an asterisk in Appendix I (Number of Questionnaires Returned Completed) contain a relatively small sample of trucks and hence statistics appearing in such classes or cells throughout the report are not considered reliable.

Comparing truck population estimates and operating averages as reported previously for the year ended June 30, 1956 with data shown in this publication for the year ended December 31, 1956, a slight decline in some of the statistics might be noted. However, such a drop is not considered significant and should not necessarily be attributed to any decline in the trucking industry of British Columbia but rather to a refinement in sampling techniques of collecting and processing motor transport traffic data. In addition, an estimated 3,000 station wagons not engaged in trucking operations have been excluded from this report. These vehicles were included in the first summary-year ended June 30, 1956. Including such vehicles, the average truck population in British Columbia would probably have amounted to an estimated 82,800 instead of 79,761 as shown in Appendix I.

Section I: The total number of miles travelled by all trucks registered in British Columbia, intra-provincially, interprovincially, internationally and extraprovincially (traffic performed entirely outside the province) during the calendar year 1956 amounted to 571 million of which 69 million miles or 12 per cent were accumulated by for hire trucks and 288 million or 50 per cent by private intercity trucks. On the average, trucks registered in the province travelled 7,200 miles during the year and each ton of goods was transported an average distance of 20.3 miles. For hire trucks travelled an average of 18,200 miles during the period compared with an average of 8,700 miles for private intercity vehicles

and carried goods 72 per cent of the time against 45 per cent for private intercity trucks. For hire and private intercity trucks carried each ton of goods an average distance of 35.6 and 22.4 miles respectively.

The amount of fuel consumed by British Columbia registered trucks totalled 49.3 million imperial gallons of gasoline, 5.6 million gallons of diesel oil and 102,000 gallons of other fuel. As there were relatively few trucks included in the survey which were not gasoline trucks, the estimates of diesel oil and other fuel consumed are not entirely reliable and should therefore be used with caution. Miles per gallon of gasoline varied from 6.8 for the common carriers to 14.3 for the farm trucks. The average for all gasoline trucks amounted to 10.9 miles per gallon, for diesel trucks, 5.8 miles per gallon and for trucks consuming other fuel, 5.6 miles per gallon.

The volume of goods transported by all trucks registered in the province totalled 49.5 million tons. For hire trucks carried 10.4 million tons or 21 per cent of the total; private intercity trucks, 24.7 million tons or 50 per cent; private urban trucks 13.4 million tons or 27 per cent and farm trucks 1 million tons or 2 per cent of the total volume. Ton miles performed aggregated 1,003 million, an average of 12,600 ton miles per vehicle.

Total capacity ton miles amounted to 2,239 million, an average of 28,100 capacity ton miles per vehicle. The percentage of capacity utilized by all trucks was 44.8 and by for hire trucks, 49.4 per cent. Gross ton miles aggregated 2,690 million, an average of 33,700 gross ton miles per vehicle.

The total amount of revenue received by common or for hire carriers for all types of service amounted to 33.4 million dollars or 8,800 dollars per vehicle. Revenue per ton mile was 9.1 cents whereas revenue per total mile amounted to 43.6 cents.

Section II: Statistics on the total amount of traffic performed by British Columbia registered trucks within the boundaries of the province are presented in this section. In addition to the intra-provincial traffic, it includes that portion of inter-provincial and international traffic which was performed on British Columbia streets and highways.

The total number of miles travelled by British Columbia registered trucks within the province amounted to 532 million, compared with the grand total of 571 million miles travelled both inside and outside the province. The yearly mileage per truck averaged 6,700 as against 7,200 miles.

The total volume of goods carried in British Columbia amounted to 49.1 million tons. Ton miles totalled 616 million compared with 1,003 million inside and outside the province and average ton miles per vehicle equalled 7,700 as against 12,600 ton miles. The average weight carried per vehicle amounted to 2.6 tons compared with 3.7 tons, while each ton of goods was carried an average distance of 12.5 miles within, as against 20.3 miles inside and outside the province.

Total revenue received by for hire carriers for the transportation of goods on British Columbia streets and highways amounted to 26.4 million dollars, an average of 7,000 dollars per vehicle and 12.1 cents per ton mile.

Section III: This section presents statistics on interprovincial and international traffic performed by British Columbia registered trucks. Table 13 shows the total amount of goods transported out of British Columbia to other provinces and the United States as well as the volume of goods transported into British Columbia from other provinces and the United States.

Table 14 shows estimates of interprovincial and international transportation by gross vehicle weight groups and by class of carrier. Of the total transportation amounting to 412 million ton miles, 37 per cent or 151 million ton miles were performed by for hire carriers.

Commodities carried by vehicles engaged in interprovincial and international transportation are shown in table 15. The total weight of goods transported was 602,000 tons, of which 229,000 tons or 38 per cent was carried by for hire trucks. Revenue received by common carriers amounted to 6.6 million dollars at an average rate of 4.4 cents per ton mile. Each ton of goods was transported an average distance of 660 miles. Manufactures and miscellaneous items totalling 164,000 tons were the chief commodities transported by for hire carriers for which revenue of 4 million dollars was received.

Private vehicles engaged in interprovincial and international service transported 373,000 tons of goods; 144,000 tons or 39 per cent of which were manufactures and miscellaneous items.

Section IV: The total number of passengers carried by intercity buses licensed in British Columbia during the twelve month period ending December 31, 1956 is estimated at 12.3 million. In transporting this number of passengers, buses travelled 13.7 million miles, an average of 45,800 miles per bus. The average distance each passenger was carried equalled 19 miles. Passenger miles performed totalled 233 million and, for each mile travelled, buses carried an average of 16.9 passengers. Capacity seat miles performed amounted to 671 million, indicating that the average percentage of capacity utilized was 34.7.

In travelling this number of miles, buses used 1.33 million gallons of gasoline and 567,000 gallons of diesel oil. Gasoline engined buses averaged 7.2 miles per gallon and those using diesel oil, 9.2 miles per gallon.

Total revenue received for the transportation of passengers amounted to almost 5.9 million dollars, an average of 19,600 dollars per bus, 42.8 cents per total mile or 2.5 cents per passenger mile.

Section V: Within the provincial boundaries of British Columbia, buses travelled a distance of 11.3 million miles using 1.28 million gallons of gasoline and 330,000 gallons of diesel oil. Estimated passenger miles performed totalled 187 million and average capacity utilized was 33.8 per cent. Revenue collected for mileage travelled in British Columbia amounted to almost 5 million dollars, an average of 16,600 dollars per bus at the rate of 2.6 cents per passenger mile.

Appendix: The appendix to this report provides an analysis of the sampling response as well as the estimated average British Columbia truck population for the year. Over the twelve month period ending December 31, 1956, survey questionnaires were sent to the owners or operators of 8,605 trucks. Of this total, 4,019 were returned completed while 2,351 trucks were reported not in use during the survey week for a number of reasons such as "being repaired" and "operator ill". In addition, 1,339 questionnaires were returned but they were incompletely filled out and therefore unusable. Non response to the survey totalled 896 or 10.4 per cent.

**Section I. Motor Truck Traffic Performed by British Columbia Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 1. Total Mileage Travelled

Type of operation ¹	Gross vehicle weight groups						Total
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	
	Total mileage travelled						
	'000						
For hire	2,402	6,389	4,634	9,286	16,292	29,756	68,759
Private:							
Intercity	126,566	57,089	13,274	23,515	33,513	33,644	287,601
Urban	81,911	56,079	7,342	3,737	5,419	2,678	157,166
Farm	38,684	14,295	2,497	1,270	530	179	57,455
Total	249,563	133,852	27,747	37,808	55,754	66,257	570,981
	Average yearly mileage per truck						
For hire	8,900	13,100	9,700	11,800	16,800	37,900	18,200
Private:							
Intercity	7,800	7,900	8,100	7,800	10,700	18,100	8,700
Urban	5,000	5,500	4,600	4,700	7,300	8,700	5,200
Farm	4,800	4,000	4,100	2,700	3,200	11,900	4,500
Total	8,100	6,200	6,400	7,500	11,100	22,400	7,200
	Average journey (Average distance each ton of goods was carried)						
For hire	12.5	13.9	20.3	14.6	14.9	79.4	35.6
Private:							
Intercity	25.7	15.6	16.7	12.3	15.2	37.3	22.4
Urban	14.4	10.3	6.1	7.3	3.6	3.2	4.9
Farm	13.5	10.0	34.1	9.6	32.1	4.0	13.5
Total	18.9	12.5	13.0	11.9	12.3	36.3	20.3
	Percentage of total mileage travelled empty						
For hire	26.2	23.4	24.2	30.4	34.5	26.2	28.3
Private:							
Intercity	68.7	55.4	40.5	40.3	38.7	31.2	54.6
Urban	66.8	48.8	29.9	24.4	43.4	39.9	56.4
Farm	70.3	63.1	50.0	49.2	55.2	56.3	67.0
Total	67.9	51.9	35.8	36.6	38.1	29.3	53.1

1. For hire trucks—operated for compensation or gain anywhere in the province according to licence. Private—Intercity trucks—owned and operated on intercity routes by business, industry and individuals to transport their own raw materials, finished goods and merchandise. Private—Urban trucks—operated primarily within urban areas. Private—Farm trucks—owned and operated by farmers primarily to transport farm produce, farm supplies or for service purposes.

**Section I. Motor Truck Traffic Performed by British Columbia Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 2. Total Fuel Consumption

Type of operation	Gross vehicle weight groups						Total
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	
	Total gallons of gasoline consumed						
	'000						
For hire	178	572	595	1,209	2,175	2,947	7,676
Private:							
Intercity	8,123	4,525	1,320	2,978	4,715	3,725	25,386
Urban	5,299	4,261	763	451	899	523	12,196
Farm	2,462	1,060	247	142	69	32	4,012
Total	16,062	10,418	2,925	4,780	7,858	7,227	49,270
	Total gallons of diesel oil consumed						
	'000						
For hire	—	—	—	—	307	2,527	2,834
Private:							
Intercity	—	—	—	—	349	2,438	2,787
Urban	—	—	—	—	—	—	—
Farm	—	—	—	—	—	—	—
Total	—	—	—	—	656	4,965	5,621

**Section I. Motor Truck Traffic Performed by British Columbia Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 2. Total Fuel Consumption - Concluded

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total gallons of other fuel consumed							
'000							
For hire	-	-	-	-	-	-	-
Private:							
Intercity	-	-	-	-	10	28	38
Urban	-	-	-	-	-	-	-
Farm	-	-	-	-	-	-	-
Total	-	-	-	-	10	28	38
Miles per gallon of gasoline							
For hire	13.5	11.2	7.8	7.7	6.6	5.0	6.8
Private:							
Intercity	15.6	12.6	10.1	7.9	6.6	5.2	10.7
Urban	15.5	13.2	9.6	8.3	6.0	5.1	12.9
Farm	15.7	13.5	10.1	9.0	7.7	5.6	14.3
Total	15.5	12.8	9.5	7.9	6.5	5.1	10.9
Miles per gallon of diesel oil							
For hire	-	-	-	-	6.2	5.7	5.8
Private:							
Intercity	-	-	-	-	6.2	5.7	5.7
Urban	-	-	-	-	-	-	-
Farm	-	-	-	-	-	-	-
Total	-	-	-	-	6.2	5.7	5.8
Miles per gallon of other fuel							
For hire	-	-	-	-	-	-	-
Private:							
Intercity	-	-	-	-	7.4	4.9	5.6
Urban	-	-	-	-	-	-	-
Farm	-	-	-	-	-	-	-
Total	-	-	-	-	7.4	4.9	5.6

**Section I. Motor Truck Traffic Performed by British Columbia Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 3. Total Goods Carried and Ton Miles Performed

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total tons of goods carried							
'000							
For hire	42	408	486	1,538	4,593	3,297	10,364
Private:							
Intercity	504	898	1,349	3,741	10,034	8,201	24,727
Urban	375	1,199	1,656	1,063	4,736	4,345	13,374
Farm	263	270	134	146	34	195	1,042
Total	1,184	2,775	3,625	6,488	19,397	16,038	49,507
Average weight carried (Average weight of goods carried per one-way trip) ¹							
For hire .....	.3	1.2	2.8	3.5	6.4	11.9	7.5
Private:							
Intercity .....	.3	.6	2.9	3.3	7.4	13.2	4.2
Urban .....	.2	.4	1.9	2.8	5.5	8.5	1.0
Farm .....	.3	.5	3.7	2.2	4.6	9.9	.7
Total .....	.3	.5	2.6	3.2	6.6	12.4	3.7

1. Excludes vehicles making trips empty.

**Section I. Motor Truck Traffic Performed by British Columbia Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 3. Total Goods Carried and Ton Miles Performed - Concluded

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total ton miles performed							
'000							
For hire	527	5,663	9,880	22,396	68,528	261,919	368,913
Private:							
Intercity	12,948	14,017	22,520	45,878	152,266	306,175	553,804
Urban	5,386	12,397	10,023	7,766	16,896	13,726	66,194
Farm	3,545	2,690	4,566	1,404	1,093	770	14,068
Total	22,406	34,767	46,969	77,444	238,783	582,590	1,002,979
Average ton miles per truck							
For hire	2,000	11,700	20,600	28,500	70,500	333,200	97,600
Private:							
Intercity	800	1,900	13,700	15,200	48,600	165,100	16,700
Urban	300	1,200	6,300	9,700	22,900	44,800	2,200
Farm	400	800	7,500	3,000	6,700	51,300	1,100
Total	500	1,600	10,900	15,300	47,700	196,600	12,600

**Section I. Motor Truck Traffic Performed by British Columbia Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 4. Total Truck Capacity

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total capacity ton miles ¹							
'000							
For hire	2,054	15,493	22,161	55,478	140,077	511,016	746,279
Private:							
Intercity	98,073	73,673	56,814	134,429	291,167	519,241	1,173,397
Urban	59,654	62,884	25,764	20,293	42,941	35,388	246,924
Farm	30,154	17,364	12,594	6,647	3,791	2,040	72,590
Total	189,835	169,414	117,333	216,847	477,976	1,067,665	2,239,190
Capacity ton miles per truck							
For hire	7,600	31,900	46,200	70,600	144,100	650,100	197,400
Private:							
Intercity	6,100	10,100	34,600	44,600	93,000	280,100	35,400
Urban	3,600	6,200	16,100	25,400	58,200	114,900	8,200
Farm	3,700	4,900	20,800	14,000	23,100	136,000	5,600
Total	4,600	7,900	27,100	42,800	95,500	360,300	28,100
Percentage of capacity utilized							
For hire	25.6	36.6	44.6	40.4	48.9	51.3	49.4
Private:							
Intercity	13.2	19.0	39.6	34.1	52.3	59.0	47.2
Urban	9.0	19.7	38.9	38.3	39.3	38.8	26.8
Farm	11.8	15.5	36.3	21.1	28.8	37.8	19.4
Total	11.8	20.5	40.0	35.7	50.0	54.6	44.6

1. Capacity ton miles are determined by multiplying the actual total number of miles travelled by the difference between gross vehicle weight and estimated tare weight or the weight of the heaviest load carried, whichever is higher.

**Section I. Motor Truck Traffic Performed by British Columbia Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 5. Total Gross Ton Miles Performed¹

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
	Total gross ton miles						
	'000						
For hire	4,600	21,518	26,340	57,940	145,600	506,006	762,004
Private:							
Intercity	212,143	129,756	66,166	140,023	311,619	571,132	1,430,839
Urban	129,244	120,132	33,676	22,331	42,333	32,499	380,215
Farm	62,445	30,258	13,072	6,114	3,509	1,833	117,231
Total	408,432	301,664	139,254	226,408	503,061	1,111,470	2,690,289
	Average gross ton miles per truck						
For hire	17,000	44,300	54,900	73,700	149,800	643,800	201,600
Private:							
Intercity	13,100	17,900	40,300	46,500	99,500	308,100	43,200
Urban	7,900	11,800	21,000	28,000	57,400	105,500	12,700
Farm	7,700	8,500	21,600	12,900	21,400	122,200	9,100
Total	10,000	14,000	32,200	44,700	100,500	375,100	33,700

1. Gross ton miles performed are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

**Section I. Motor Truck Traffic Performed by British Columbia Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 6. Total Revenue From Operations Performed by For Hire Carriers

	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total revenue	\$ 420,000	2,015,000	2,429,000	4,500,000	8,397,000	15,675,000	33,436,000
Revenue per ton mile	¢ 79.6	35.6	24.6	20.1	12.3	6.0	9.1
Revenue per mile (total mileage travelled) ¢	17.5	31.5	52.4	48.5	51.5	52.7	48.6
Average yearly revenue per truck	\$ 1,600	4,100	5,100	5,700	8,600	19,900	8,800

**Section II. Motor Truck Traffic Performed by British Columbia Registered Trucks Within the Province
January 1, 1956 - December 31, 1956**

TABLE 7. Mileage Travelled Within the Province

Type of operation	Gross vehicle weight groups						
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
	Total mileage travelled						
	'000						
For hire	2,402	6,389	4,537	9,286	15,212	16,646	54,472
Private:							
Intercity	122,086	56,644	13,274	22,151	28,503	20,457	263,115
Urban	81,911	56,079	7,342	3,737	5,419	2,678	157,166
Farm	38,684	14,295	2,497	1,270	530	179	57,455
Total	245,083	133,407	27,650	36,444	49,664	39,960	532,208

Section II. Motor Truck Traffic Performed by British Columbia Registered Trucks Within the Province
January 1, 1956 - December 31, 1956

TABLE 7. Mileage Travelled Within the Province - Concluded

Type of operation	Gross vehicle weight groups						
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Average yearly mileage per truck							
For hire	8,900	13,100	9,500	11,800	15,700	21,200	14,400
Private:							
Intercity	7,500	7,800	8,100	7,400	9,100	11,000	7,900
Urban	5,000	5,500	4,600	4,700	7,300	8,700	5,200
Farm	4,800	4,000	4,100	2,700	3,200	11,900	4,500
Total	6,000	6,200	6,400	7,200	9,900	13,500	6,700
Average journey (Average distance each ton of goods was carried)							
For hire	12.5	13.9	20.3	14.6	11.9	40.3	21.5
Private:							
Intercity	25.2	15.4	16.7	11.7	9.6	15.8	12.9
Urban	14.4	10.3	6.1	7.3	3.6	3.2	4.9
Farm	13.5	10.0	34.1	9.6	32.1	4.0	13.5
Total	18.7	12.5	13.0	11.6	8.7	17.0	12.5
Percentage of total mileage travelled empty							
For hire	26.2	23.4	23.7	30.4	36.9	32.9	31.4
Private:							
Intercity	71.1	55.9	40.5	42.4	43.8	45.2	58.9
Urban	66.8	48.8	29.9	24.4	43.4	39.9	56.4
Farm	70.3	63.1	50.0	49.2	55.2	56.3	67.0
Total	69.1	52.1	35.8	37.8	41.7	39.8	56.2

Section II. Motor Truck Traffic Performed by British Columbia Registered Trucks Within the Province
January 1, 1956 - December 31, 1956

TABLE 8. Fuel Consumption Within the Province

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
	Total gallons of gasoline consumed						
	'000						
For hire	178	572	586	1,209	2,124	2,101	6,770
Private:							
Intercity	7,905	4,503	1,320	2,852	4,195	3,492	24,267
Urban	5,299	4,261	763	451	899	523	12,196
Farm	2,462	1,060	247	142	69	32	4,012
Total	15,844	10,396	2,916	4,654	7,287	6,148	47,245
	Total gallons of diesel oil consumed						
	'000						
For hire	—	—	—	—	197	1,060	1,257
Private:							
Intercity	—	—	—	—	60	554	614
Urban	—	—	—	—	—	—	—
Farm	—	—	—	—	—	—	—
Total	—	—	—	—	257	1,614	1,871

Section II. Motor Truck Traffic Performed by British Columbia Registered Trucks Within the Province
January 1, 1956 - December 31, 1956

TABLE 8. Fuel Consumption Within the Province - Concluded

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total gallons of other fuel consumed							
'000							
For hire	—	—	—	—	—	—	—
Private:							
Intercity	—	—	—	—	10	28	38
Urban	—	—	—	—	—	—	—
Farm	—	—	—	—	—	—	—
Total	—	—	—	—	10	28	38
Miles per gallon of gasoline							
For hire	13.5	11.2	7.7	7.7	6.6	5.1	7.0
Private:							
Intercity	16.0	12.7	10.1	7.8	6.9	5.3	11.0
Urban	15.5	13.2	9.6	8.3	6.0	5.1	12.9
Farm	15.7	13.5	10.1	9.0	7.7	5.6	14.3
Total	15.7	12.9	9.5	7.8	6.7	5.2	11.2
Miles per gallon of diesel oil							
For hire	—	—	—	—	5.6	5.5	5.5
Private:							
Intercity	—	—	—	—	7.4	4.6	4.9
Urban	—	—	—	—	—	—	—
Farm	—	—	—	—	—	—	—
Total	—	—	—	—	6.0	5.2	5.3
Miles per gallon of other fuel							
For hire	—	—	—	—	—	—	—
Private:							
Intercity	—	—	—	—	7.4	4.9	5.6
Urban	—	—	—	—	—	—	—
Farm	—	—	—	—	—	—	—
Total	—	—	—	—	7.4	4.9	5.6

Section II. Motor Truck Traffic Performed by British Columbia Registered Trucks Within the Province
January 1, 1956 - December 31, 1956

TABLE 9. Goods Carried and Ton Miles Performed Within the Province

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total tons of goods carried							
'000							
For hire	42	408	486	1,536	4,586	3,117	10,177
Private:							
Intercity	503	897	1,349	3,725	9,992	8,072	24,538
Urban	375	1,199	1,656	1,063	4,736	4,345	13,374
Farm	263	270	134	146	34	195	1,042
Total	1,183	2,774	3,625	6,472	19,348	15,729	49,131
Average weight carried (Average weight of goods carried per one-way trip) ¹							
For hire .....	.3	1.2	2.8	3.5	5.7	11.2	5.9
Private:							
Intercity .....	.3	.6	2.9	3.4	5.9	11.0	2.8
Urban .....	.2	.4	1.9	2.8	5.5	8.5	1.0
Farm .....	.3	.5	3.7	2.2	4.6	9.9	.7
Total .....	.3	.5	2.4	3.3	5.8	11.0	2.6

1. Excludes vehicles making trips empty.

Section II. Motor Truck Traffic Performed by British Columbia Registered Trucks Within the Province
January 1, 1956 - December 31, 1956

TABLE 9. Goods Carried and Ton Miles Performed Within the Province - Concluded

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total ton miles performed							
'000							
For hire	527	5,663	9,844	22,396	54,761	125,582	218,773
Private:							
Intercity	12,696	13,841	22,520	43,583	96,344	127,571	316,555
Urban	5,386	12,397	10,023	7,766	16,896	13,726	66,194
Farm	3,545	2,690	4,566	1,404	1,093	770	14,068
Total	22,154	34,591	46,953	75,149	169,094	267,649	615,590
Average ton miles per truck							
For hire	2,000	11,700	20,500	28,500	56,300	159,800	57,900
Private:							
Intercity	800	1,900	13,700	14,500	30,800	66,800	9,600
Urban	300	1,200	6,300	9,700	22,900	44,600	2,200
Farm	400	800	7,500	3,000	6,700	51,300	1,100
Total	500	1,600	10,900	14,800	33,800	90,300	7,700

Section II. Motor Truck Traffic Performed by British Columbia Registered Trucks Within the Province
January 1, 1956 - December 31, 1956

TABLE 10. Truck Capacity Within the Province

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total capacity ton miles¹							
'000							
For hire	2,046	15,493	21,892	55,478	123,315	288,263	506,487
Private:							
Intercity	94,427	73,294	56,814	126,019	227,527	303,342	881,423
Urban	59,654	62,884	25,764	20,293	42,941	35,388	246,924
Farm	30,154	17,364	12,594	6,647	3,791	2,040	72,590
Total	186,281	169,035	117,064	208,437	397,574	629,033	1,707,424
Capacity ton miles per truck							
For hire	7,600	31,900	45,600	70,600	126,900	366,700	134,000
Private:							
Intercity	5,800	10,100	34,600	41,900	72,700	163,600	26,600
Urban	3,600	6,200	16,100	25,400	58,200	114,900	8,200
Farm	3,700	4,900	20,800	14,000	23,100	136,000	5,600
Total	4,600	7,900	27,100	41,100	79,400	212,300	21,400
Percentage of capacity utilized							
For hire	25.8	36.6	45.0	40.4	44.4	43.6	43.2
Private:							
Intercity	13.4	18.9	39.6	34.6	42.3	42.1	35.9
Urban	9.0	19.7	38.9	38.3	39.3	38.8	26.8
Farm	11.8	15.5	36.3	21.1	28.8	37.8	19.4
Total	11.9	20.5	40.1	36.1	42.5	42.5	36.1

1. Capacity ton miles are determined by multiplying the actual number of miles travelled within the province by the difference between gross vehicle weight and estimated tare weight or the weight of the heaviest load carried, whichever is higher.

**Section II. Motor Truck Traffic Performed by British Columbia Registered Trucks Within the Province
January 1, 1956 - December 31, 1956**

TABLE 11. Gross Ton Miles Performed Within the Province¹

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total gross ton miles							
'000							
For hire	4,600	21,518	25,952	57,940	126,416	256,558	492,984
Private:							
Intercity	204,585	128,734	66,166	132,471	229,260	276,697	1,037,913
Urban	129,244	120,132	33,676	22,331	42,333	32,499	380,215
Farm	62,445	30,258	13,072	6,114	3,509	1,833	117,231
Total	400,874	300,642	138,866	218,856	401,518	567,587	2,028,343
Average gross ton miles per truck							
For hire	17,000	44,300	54,100	73,700	130,100	326,400	130,400
Private:							
Intercity	12,600	17,700	40,300	44,000	73,200	149,200	31,300
Urban	7,900	11,800	21,000	28,000	57,400	105,500	12,700
Farm	7,700	8,500	21,600	12,900	21,400	122,200	9,100
Total	9,800	14,000	32,100	43,200	80,200	191,600	25,400

1. Gross ton miles performed are determined by adding to the total ton miles performed the weight of vehicle empty (tare) multiplied by total mileage travelled.

**Section II. Motor Truck Traffic Performed by British Columbia Registered Trucks Within the Province
January 1, 1956 - December 31, 1956**

TABLE 12. Revenue From Operations Performed by For Hire Carriers Within the Province

	Gross vehicle weight groups						Total
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	
Total revenue	\$ 420,000	2,015,000	2,377,000	4,500,000	7,889,000	9,231,000	26,432,000
Revenue per ton mile	¢ 79.6	35.6	24.1	20.1	14.4	7.4	12.1
Revenue per mile (total mileage travelled)	¢ 17.5	31.5	52.4	48.5	51.9	55.5	48.5
Average yearly revenue per truck	\$ 1,600	4,100	5,000	5,700	8,100	11,700	7,000

**Section III. Motor Truck Traffic Performed by British Columbia Registered Trucks Engaged in Interprovincial
and International Traffic January 1, 1956 - December 31, 1956**

**TABLE 13. Total Tons of Goods Carried Into and Out of British Columbia by Origin and Destination,
by Type of Operation**

Origin or destination	For hire trucks	Private intercity trucks	All trucks
	'000 tons	'000 tons	'000 tons
To Ontario	11	28	39
From Ontario	3	31	34
To Manitoba	4	—	4
From Manitoba	7	—	7
To Alberta	36	113	149
From Alberta	78	63	141
To Yukon Territory	3	19	22
From Yukon Territory	—	8	8
To United States	68	44	112
From United States	19	67	86
Grand total	To 122	204	326
	From 107	100	276

Section III. Motor Truck Traffic Performed by British Columbia Registered Trucks Engaged in Interprovincial and International Traffic January 1, 1956 - December 31, 1956

TABLE 14. Interprovincial and International Traffic by Gross Vehicle Weight Groups

Gross vehicle weight	For hire trucks			
	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per trip
	'000	'000	Tons	Miles
20,000 lbs. or less	34	25	1	148
20,001-25,000 lbs.	207	800	4	304
25,001-30,000 lbs.	230	1,150	5	1,013
30,001-35,000 lbs.	1,171	9,127	8	516
35,001-40,000 lbs.	2,144	20,674	10	326
40,001-45,000 lbs.	818	12,456	15	1,201
45,001-50,000 lbs.	—	—	—	—
50,001 lbs. and over	6,916	107,008	15	508
Total	11,520	151,240	13	474
	Private intercity trucks			
	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per trip
	'000	'000	Tons	Miles
20,000 lbs. or less	190	303	2	110
20,001-25,000 lbs.	315	1,812	6	110
25,001-30,000 lbs.	294	2,445	8	128
30,001-35,000 lbs.	108	1,085	10	189
35,001-40,000 lbs.	1,154	14,726	13	251
40,001-45,000 lbs.	2,229	29,923	13	311
45,001-50,000 lbs.	3,169	49,558	16	2,208
50,001 lbs. and over	10,473	160,873	15	1,825
Total	17,932	260,731	15	679

Section III. Motor Truck Traffic Performed by British Columbia Registered Trucks Engaged in Interprovincial and International Traffic January 1, 1956 - December 31, 1956

TABLE 15. Commodities Carried by British Columbia Registered Trucks in Interprovincial and International Traffic

Commodity classification	For hire trucks						
	Weight of goods carried	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	Tons	Miles	\$'000	¢
Agricultural products	1	23	22	1	32	1	4.55
Animals and animal products	10	848	12,698	15	1,270	461	3.63
Mine products	—	—	—	—	—	—	—
Forest products	15	115	1,461	13	97	74	5.10
Manufactures and miscellaneous	164	7,450	95,627	13	583	4,023	4.21
N.O.S. general freight	39	3,086	41,432	13	1,062	2,043	4.93
Total	229	11,520	151,240	13	690	6,602	4.37
	Private intercity trucks						
	Weight of goods carried	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	Tons	Miles		
Agricultural products	17	344	5,349	16	315		
Animals and animal products	14	549	4,732	9	338		
Mine products	24	394	5,757	15	240		
Forest products	83	982	14,363	15	173		
Manufactures and miscellaneous	144	4,017	45,671	11	317		
N.O.S. general freight	91	11,646	184,859	16	2,031		
Total	373	17,932	260,731	15	704		

**Section IV. Motor Bus Traffic Performed by British Columbia Registered Buses Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 16. Mileage, Fuel, Passengers and Passenger Miles, Capacity and Revenue

	Passenger seating capacity				
	0-19	20-29	30-39	40 and over	Total
Mileage:					
Total mileage travelled	193,000	301,000	2,324,000	10,929,000	13,747,000
Average yearly mileage per bus	12,100	12,500	26,400	63,500	45,800
Average journey (average distance per passenger)	56.3	5.7	14.2	21.6	19.0
Fuel:					
Total gallons of gasoline consumed	17,000	46,000	259,000	1,004,000	1,326,000
Total gallons of diesel oil consumed	—	—	45,000	522,000	567,000
Miles per gallon of gasoline	11.3	6.6	6.9	6.7	6.8
Miles per gallon of diesel oil	—	—	11.6	8.9	9.2
Passengers and passenger miles:					
Total number of passengers carried	30,000	825,000	2,787,000	8,629,000	12,271,000
Total number of passenger miles	1,699,000	4,719,000	39,517,000	186,789,000	232,724,000
Average number of passengers carried per mile	8.8	15.7	17.0	17.1	16.9
Capacity:					
Total capacity seat miles	2,090,000	8,480,000	82,431,000	577,860,000	670,861,000
Percentage of capacity utilized	81.3	55.7	47.9	32.3	34.7
Revenue:					
Total passenger revenue	\$ 51,000	107,000	650,000	5,075,000	5,883,000
Revenue per mile (total mileage travelled)	¢ 26.6	35.4	28.0	46.4	42.8
Revenue per passenger mile	¢ 3.0	2.3	1.6	2.7	2.5
Revenue per bus	\$ 3,200	4,500	7,400	29,500	19,600

**Section V. Motor Bus Traffic Performed by British Columbia Registered Buses Within the Province
January 1, 1956 - December 31, 1956**

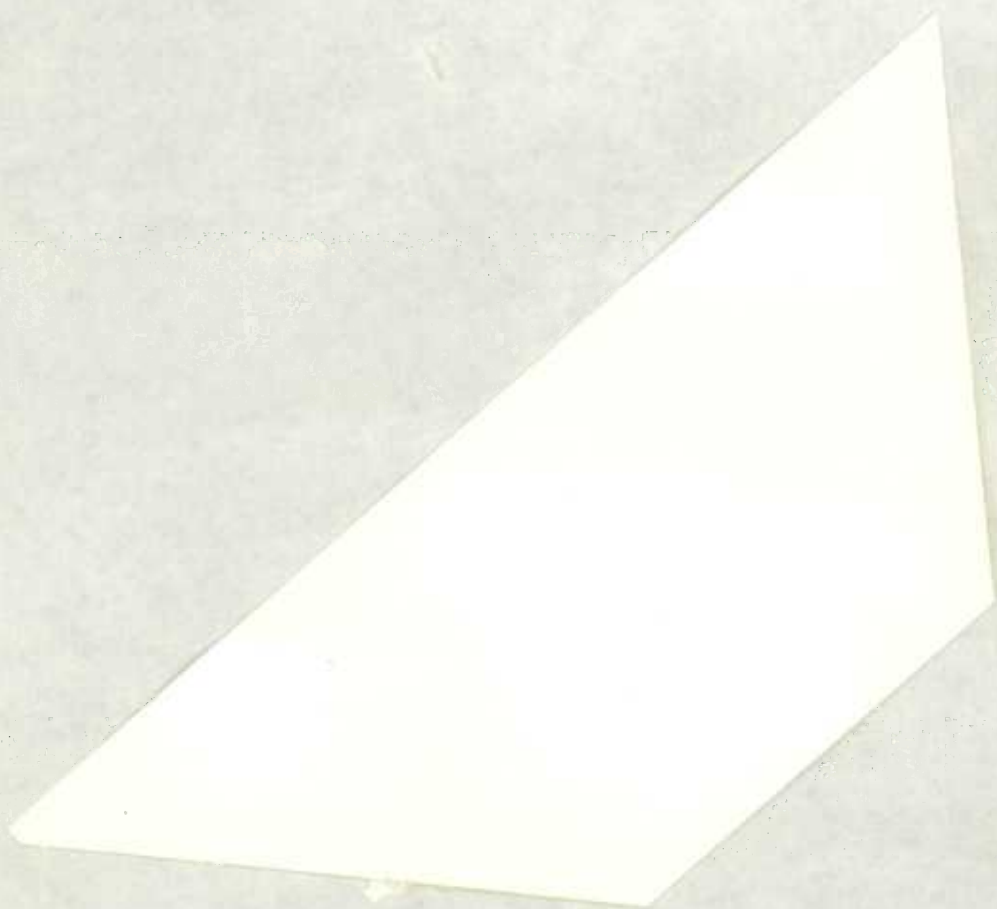
TABLE 17. Mileage, Fuel, Passengers and Passenger Miles, Capacity and Revenue

	Passenger seating capacity				
	0-19	20-29	30-39	40 and over	Total
Mileage:					
Total mileage travelled	193,000	301,000	1,641,000	9,166,000	11,301,000
Average yearly mileage per bus	12,100	12,500	18,600	53,300	37,700
Average journey (average distance per passenger)	56.3	5.7	12.0	17.9	15.8
Fuel:					
Total gallons of gasoline consumed	17,000	46,000	237,000	983,000	1,283,000
Total gallons of diesel oil consumed	—	—	5,000	325,000	330,000
Miles per gallon of gasoline	11.3	6.6	6.7	6.2	6.4
Miles per gallon of diesel oil	—	—	11.7	9.5	9.6
Passengers and passenger miles:					
Total number of passengers carried	30,000	825,000	2,689,000	8,296,000	11,940,000
Total number of passenger miles	1,699,000	4,719,000	32,341,000	148,729,000	187,489,000
Average number of passengers carried per mile	8.8	15.7	19.7	16.2	16.6
Capacity:					
Total capacity seat miles	2,090,000	8,480,000	58,234,000	486,679,000	555,483,000
Percentage of capacity utilized	81.3	55.7	55.5	30.6	33.8
Revenue:					
Total passenger revenue	\$ 51,000	107,000	449,000	4,360,000	4,967,000
Revenue per mile (total mileage travelled)	¢ 26.6	35.4	27.4	47.6	44.0
Revenue per passenger mile	¢ 3.0	2.3	1.4	2.9	2.6
Revenue per bus	\$ 3,200	4,500	5,100	25,300	16,600

APPENDIX I
Sampling Results

Type of operation	Gross vehicle weight groups						
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Estimated average British Columbia truck population January 1, 1956—December 31, 1956							
For hire	270	486	480	786	972	786	3,780
Private:							
Intercity	16,202	7,270	1,640	3,011	3,131	1,854	33,108
Urban	16,348	10,193	1,600	798	738	308	29,985
Farm	8,076	3,552	606	475	164	15	12,888
Total	40,896	21,501	4,326	5,070	5,005	2,963	79,761
Total number of trucks selected in samples							
For hire	15	51	79	123	307	243	818
Private:							
Intercity	888	793	263	474	993	594	4,005
Urban	897	1,110	255	128	234	101	2,725
Farm	440	389	96	75	52	5	1,057
Total	2,240	2,343	693	800	1,586	943	8,605
Number of questionnaires returned completed							
For hire	11*	32	44	83	155	142	467
Private:							
Intercity	448	392	117	212	456	227	1,852
Urban	399	503	93	52	88	42	1,177
Farm	248	188	36	32	17*	2*	523
Total	1,106	1,115	290	379	716	413	4,019
Number of sampled trucks reported not in use during survey week							
For hire	2	10	17	21	66	45	161
Private:							
Intercity	187	191	84	163	317	229	1,171
Urban	215	262	83	47	73	36	716
Farm	93	103	44	35	25	3	303
Total	497	566	228	266	481	313	2,351
Number of questionnaires returned incomplete and unusable							
For hire	2	5	13	15	54	27	116
Private:							
Intercity	169	131	36	59	125	88	588
Urban	181	207	38	16	37	12	491
Farm	65	63	8	3	5	—	144
Total	417	406	95	93	221	107	1,339
Number of questionnaires not returned (non respondents)							
For hire	—	4	5	4	32	29	74
Private:							
Intercity	84	79	26	40	95	70	394
Urban	102	138	41	13	36	11	341
Farm	34	35	6	5	5	—	87
Total	220	256	80	62	168	110	896

* Statistics appearing in these cells throughout the report are not considered reliable.



STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010529346