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# MOTOR TRANSPORT TRAFFIC STATISTICS NATIONAL ESTIMATES

1957

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#### Other Publications Relating to Road Transport

1. Motor Transport Traffic Statistics — annual reports for British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, Quebec and the Atlantic Provinces.
2. Motor Carriers — Freight — annual.
3. Passenger Bus Statistics — monthly and annual.
4. Urban Transit — monthly and annual.
5. The Motor Vehicle, Preliminary Report of Registrations and Size, Weight and Safety Regulations — annual.
6. The Motor Vehicle — annual.
7. Motor Vehicle Traffic Accidents — monthly, quarterly and annual.
8. Highway Statistics — annual.
9. Bridge, Tunnel and Ferry Companies (International) — annual.

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MOTOR TRANSPORT TRAFFIC STATISTICS  
NATIONAL ESTIMATES

1957

CHART-1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

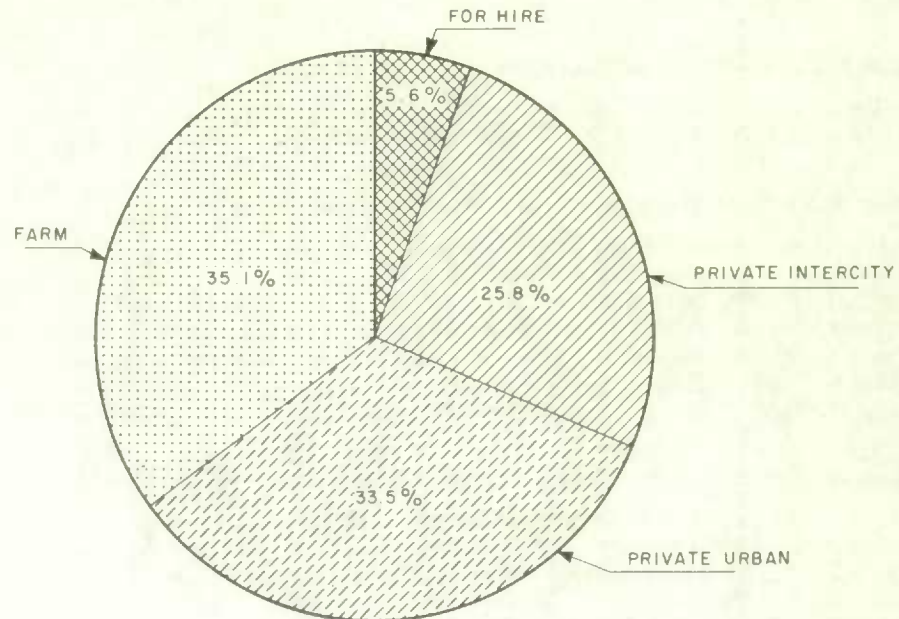


CHART-2

NET TON MILES BY TYPE OF OPERATION

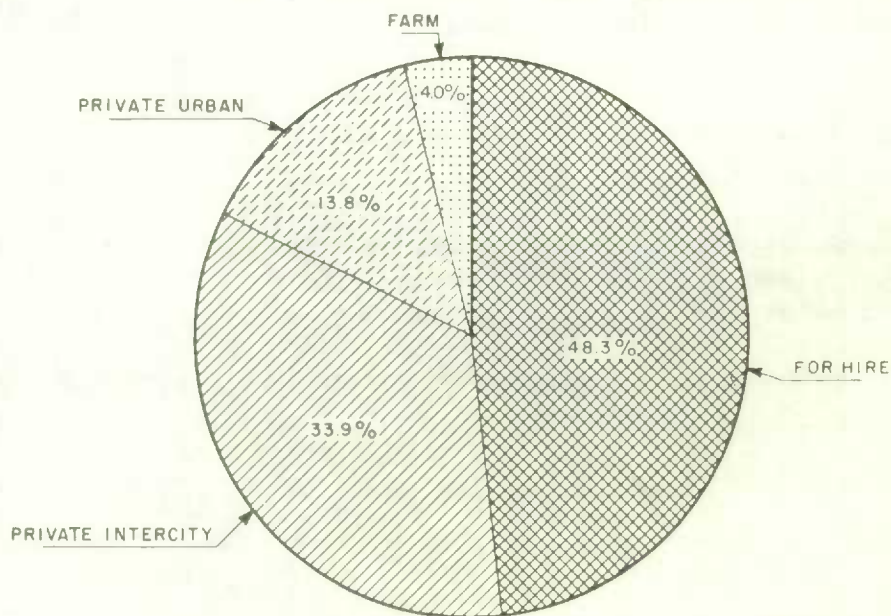




CHART-3

# TOTAL MILEAGE TRAVELLED BY TYPE OF OPERATION

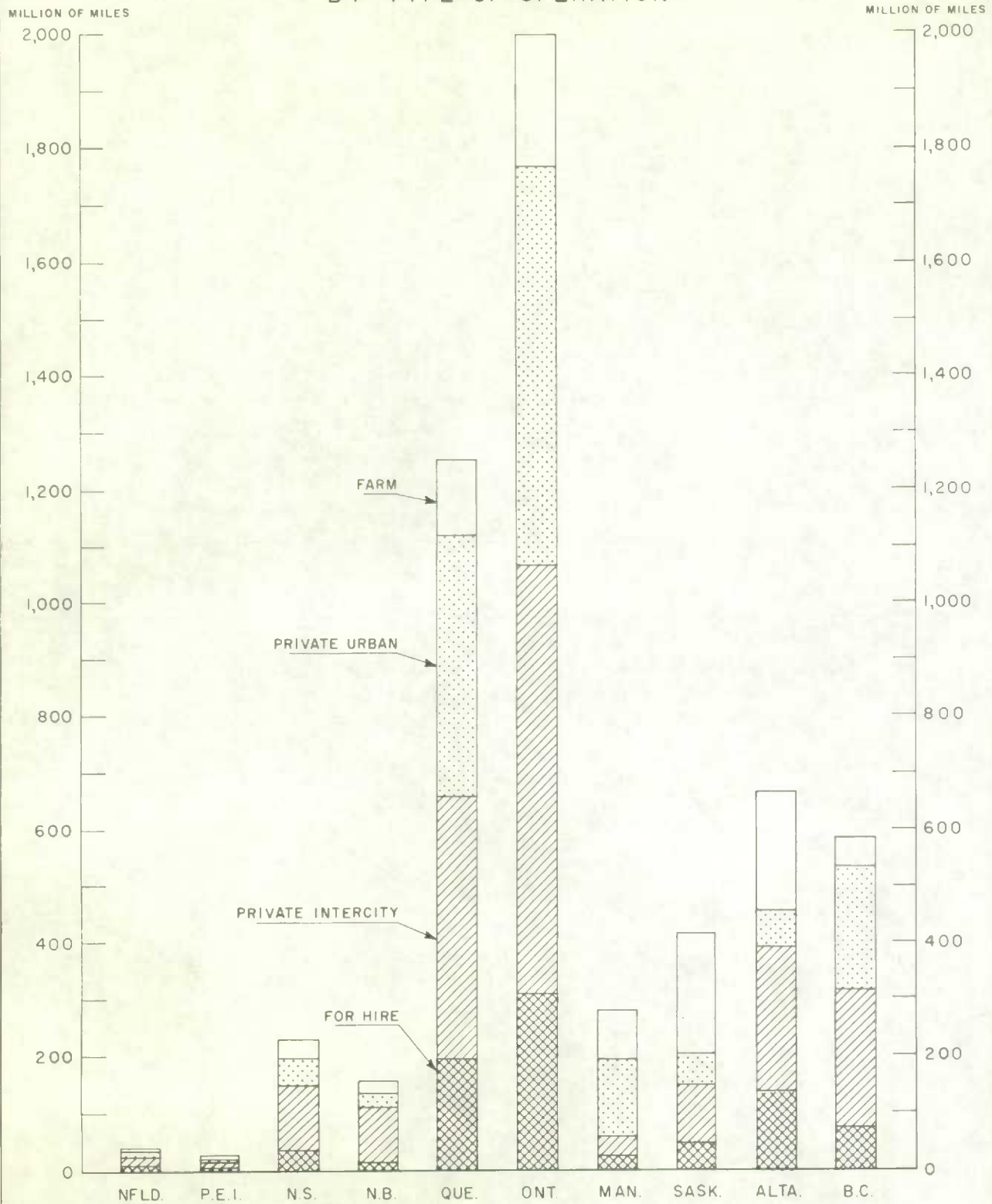


CHART-4

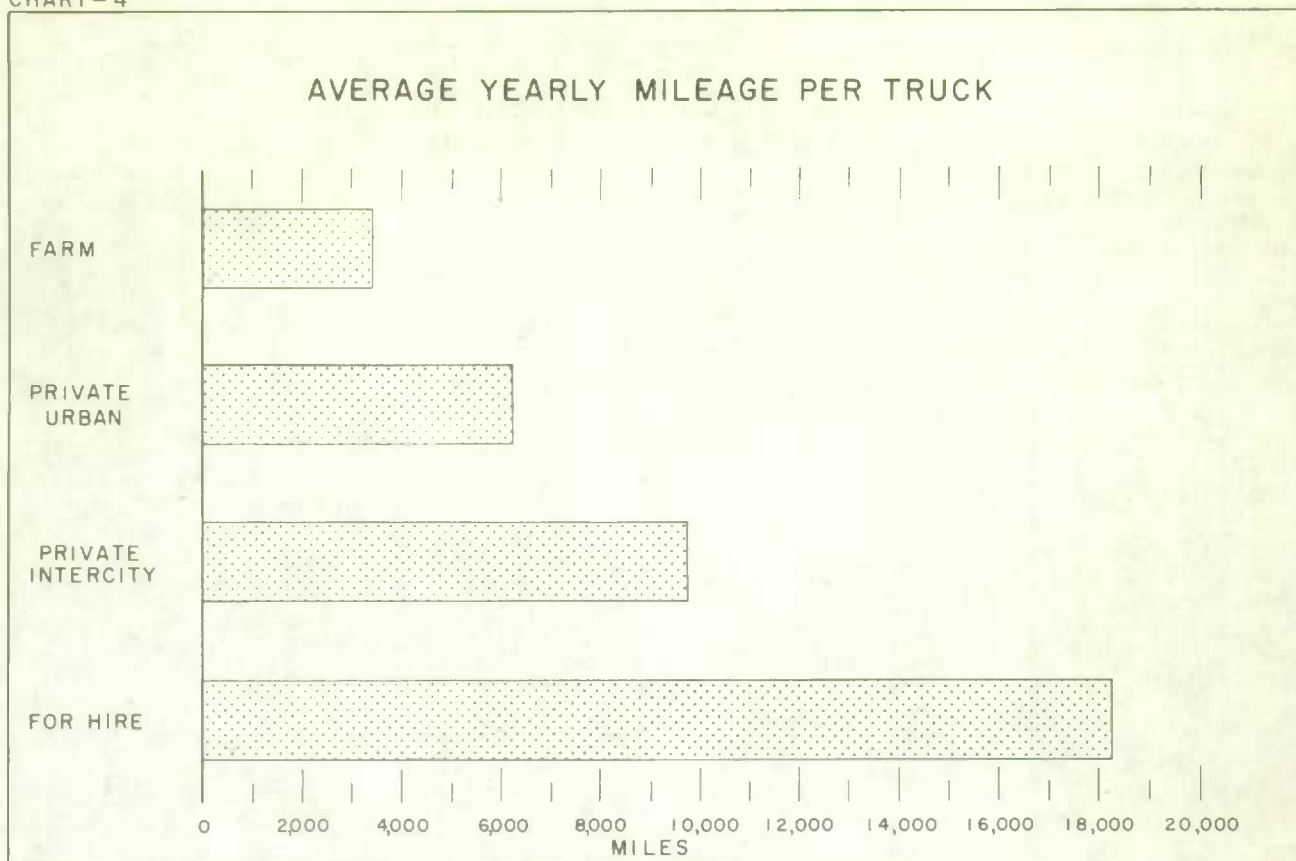
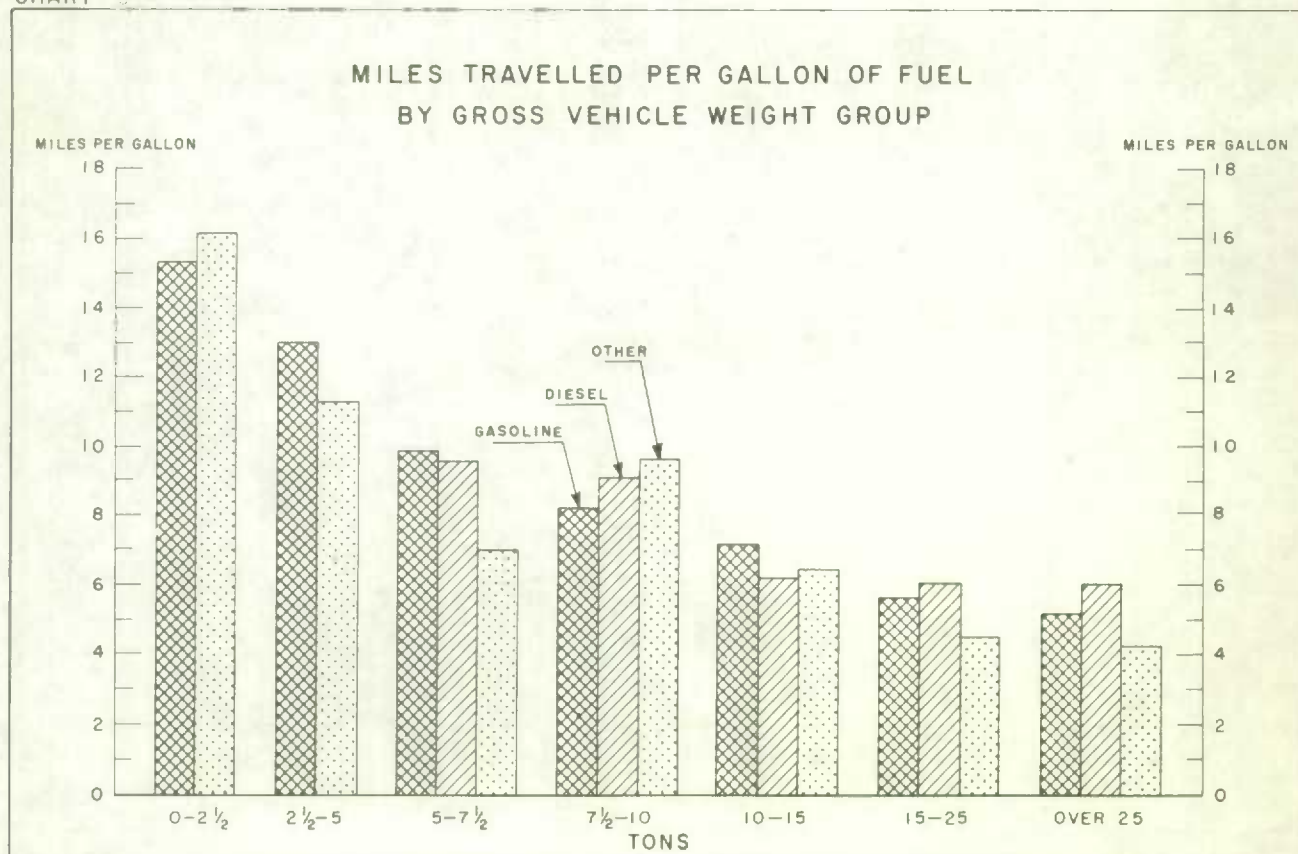


CHART-5



## INTRODUCTION

This is the first nation-wide report of motor transport traffic to be published in Canada and represents the results of sample surveys conducted in each of the ten provinces during the twelve month period ended December 31, 1957. Truck transport statistics published in provincial or regional reports for 1957 have been summarized herein and adjusted where necessary to eliminate duplication. National intercity bus traffic estimates are not included in this report because reliable statistics have not been collected in all ten provinces; however, bus data may be found in most provincial motor transport traffic reports.

These motor transport traffic surveys have been made possible through the invaluable co-operation of provincial government departments, particularly motor vehicle registration branches, together with the assistance of the Canadian Trucking Associations and its provincial affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

This introduction attempts to explain in some detail the history of these surveys, along with the technical problems encountered, and includes a discussion of the concepts, sample selection and compilation methods followed. A statement on sources of error is also included. It is hoped that this background material will assist the users in understanding the statistics and their general validity. Questions and suggestions on their adequacy and usefulness are welcomed.

### Need for Road Transport Statistics:

The rapid growth of truck transport in Canada, particularly since World War II, led to a demand for comprehensive traffic data including such basic statistics as weight of goods carried, ton miles and revenue per ton mile. Various royal commissions on transportation have found it difficult to assess the relative role played by truck transport in the total transportation picture and its impact on rail traffic. The railways and the road transport industry in particular have had to estimate levels of motor transport traffic in supporting their positions in freight rate enquiries before the Board of Transport Commissioners which in turn was handicapped by the lack of reliable information. Provincial governments being responsible for the planning and maintenance of highways together with the regulation and taxation of motor vehicles, required additional data to more precisely appraise the nature and amount of vehicle traffic. The problem of inter-provincial trucking administration which now confronts most provinces also created an additional requirement for statistics. Finally, individual trucking firms, equipment manufacturers and fuel companies need an accurate statistical picture of motor transport traffic in order to determine market potentials in the truck transport field.

### History of Motor Transport Traffic Surveys:

The Dominion Bureau of Statistics has been compiling financial and operating statistics of common carriers since 1941. These statistics were useful in estimating the growth of common carrier operations but failed to provide basic measurements, such as the ton mile, which are essential for detailed statistical analyses of truck traffic. At the same time, being limited to common carriers, no information was collected on the activities of other types of truck transport including contract carriers, farm trucks and vehicles used to transport the operator's own goods both over the highway and in urban areas. One of the major reasons for not collecting detailed traffic data from common carriers in the past has been the difficulty of obtaining such information from the numerous small operators who, while comprising a significant portion of the industry, do not maintain detailed traffic records.

Because of the heterogeneous nature of the trucking industry in Canada, it was decided to attempt to collect truck traffic statistics by means of a random sample of vehicles using mail questionnaires. A pilot survey was conducted in Manitoba in 1954 to determine the feasibility of this method. Manitoba was chosen as a test province because the functional organization of the licensing system divided vehicles into four major groups: for-hire, private intercity, urban and farm. Furthermore this province, while sufficiently large to constitute an adequate test, was not so large as to involve undue expense. When it became apparent that a satisfactory response could be obtained with a mail survey based upon a random sample of vehicles registered in the province, arrangements were made to extend the survey to the other provinces. By 1957 surveys were being conducted on a continuing basis in all ten provinces so that for the first time it is possible to publish national estimates of truck traffic in addition to the annual reports released for individual provinces.

To date the following motor transport traffic reports have been released:

Province	Period	Release Date
British Columbia	Year ended June 30, 1956	Mar. 1957
	1956 (Calendar year)	Mar. 1958
	1957	Nov. 1958
Alberta	1956	July, 1957
	1957	Sept. 1958
Saskatchewan	1956	Nov. 1957
	1957	Nov. 1958
Manitoba	Year ended June 30, 1955	June, 1956
	1956 (Calendar year)	Nov. 1957
	1957	Nov. 1958
Ontario	Year ended June 30, 1956	Dec. 1956
	1956 (Calendar year)	Jan. 1958
	1957	Dec. 1958
Quebec	Year ended Mar. 31, 1957	Feb. 1958
	1957 (Calendar year)	Dec. 1958
Atlantic Provinces	1957	Oct. 1958



### Organization and Description of the Sample:

Samples of commercial vehicles are selected quarterly from motor vehicle registration records in each of the ten provinces and are stratified by six weight groups: 0-2½ tons; 2½-5; 5-7½; 7½-10; 10-15; over 15 tons. Where the registration system permits, vehicles are selected from distinct licence categories corresponding to those established in the motor transport traffic survey. The licensing arrangement in Manitoba most closely resembles the classification of vehicles in the survey but even there it was not possible to identify vehicles operating interprovincially or internationally. The licensing systems in each of the other provinces differed from that of Manitoba by varying degrees so that in some cases it was necessary to classify trucks according to the replies received in the questionnaires.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated; tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government owned vehicles and motor vehicles not required to obtain licences under provincial highway traffic acts.

An overall sample of twelve per cent of Canadian registered trucks was selected during 1957. To allow for seasonal variations and to ensure that the sample vehicles represented current registrations in force, this annual survey was conducted on a quarterly basis with approximately 3 per cent of total registrations sampled each quarter. Registrations selected were coded so that a particular vehicle would not be chosen more than once during each licence year. Each quarterly survey ran for a seven day period, Sunday through Saturday. The operator of the vehicle selected in the sample was asked to complete a questionnaire on that vehicle's operations for a specified week.

By concentrating higher sampling ratios among the weight groups containing the largest vehicles, the twelve per cent sample of registrations actually represented 21 per cent of the capacity of all vehicles registered. Furthermore, the probability of obtaining more reliable results was increased since the larger weight classes, containing a relatively small number of vehicles, were involved in more diversified types of operations and accounted for the bulk of net ton miles performed in Canada.

The sample selection ratios used quarterly in each province were as follows:

Province	Gross vehicle weight groups (pounds)					
	0-5,000	5,001-10,000	10,001-15,000	15,001-20,000	20,001-30,000	Over 30,000
Newfoundland .....	1/36	1/18	1/6	1/6	1/6	1/6
Prince Edward Island .....	1/36	1/18	1/6	1/6	1/6	1/6
Nova Scotia .....	1/27	1/27	1/9	1/9	1/9	1/9
New Brunswick .....	1/27	1/27	1/9	1/9	1/9	1/9
Quebec <sup>1</sup> .....	1/72	1/36	1/24	1/24	1/12	1/12
Ontario .....	1/72	1/36	1/24	1/24	1/12	1/12
Manitoba .....	1/60	1/30	1/20	1/20	1/10	1/10
		(farm 1/60)				
Saskatchewan .....	1/60	1/30	1/20	1/20	1/10	1/10
		(farm 1/60)				
Alberta .....	1/72	1/36	1/24	1/24	1/12	1/12
British Columbia <sup>1</sup> .....	1/72	1/36	1/24	1/24	1/12	1/12

<sup>1</sup> Vehicles in Quebec and British Columbia, are selected by the following tare weight groups which for the purposes of this series have been made to correspond to the above gross vehicle weight classes: 0-3,300 lbs., 3,301-5,800 lbs., 5,801-7,300 lbs., 7,301-8,550 lbs., 8,551-11,050 lbs., over 11,050 lbs.

In order to secure a high rate of response, vehicles were not included in more than one survey per year, although a company with many vehicles might have had trucks in every survey. Furthermore an intensive follow-up procedure has been developed.

The motor vehicle population varies over the course of the year as vehicle registrations are received at provincial motor vehicle branches. Hence the motor transport traffic statistics contained herein are based upon an average annual population. Population estimates for 1957 are to be found in Appendix I.

Since each quarterly sample was selected by predetermined ratios for each gross vehicle weight group, the truck population was estimated by multiplying samples by the inverse of the selection ratios. Expansion factors were computed to "blow-up" the survey results for each quarter. Because the sample size varies from quarter to quarter, and because of seasonal variations, new expansion factors must be computed for each survey and for each vehicle weight group. Annual provincial data were then compiled by combining the expanded data for each of the four quarterly surveys. The problems confronted in compiling national estimates are discussed under "Compilation of National Totals".



**Concepts:**

Statistics which had to be calculated from basic information such as miles travelled, fuel consumed, weight of goods carried and loaded miles are listed below along with the methods used to calculate them. The introductory material and the questions asked in the questionnaire might further assist the reader in appreciating the significance of some of the concepts included in this report. A copy of the questionnaire will be sent free of charge on request to anyone interested.

**Average yearly mileage per truck**—total annual mileage performed divided by the average number of vehicles registered, during the twelve month period.

**Net ton miles**—were obtained by multiplying the weight of each load carried by the distance it was transported. For vehicles engaged in intercity or rural operations, ton miles were calculated on a trip basis from the log kept during the survey week. For urban operations, the owner or operator was requested to record the weight of the load on the truck at 10:00 a.m. and 3:00 p.m. or other more appropriate hours when a typical load was carried. From this information the average load carried during the week was calculated, which was multiplied by the total miles travelled during the week while loaded, to obtain net ton miles.

**Average distance each ton was carried**—total net ton miles performed divided by total tons of goods carried.

**Percentage of total mileage travelled empty**—annual empty mileage was computed by subtracting loaded miles from total miles for each truck. The annual number of empty miles performed were then taken as a percentage of total miles.

**Miles per gallon of gasoline (or diesel or other fuel) consumed**—total miles travelled during year divided by total gallons of gasoline consumed.

**Average weight carried**—total net ton miles performed divided by miles travelled with a load.

**Average net ton miles per truck**—total net ton miles performed during year divided by average annual truck population.

**Capacity ton miles**—the actual total number of miles travelled multiplied by the estimated capacity or the weight of the heaviest load carried whichever was larger.

**Average capacity ton miles per truck**—total capacity ton miles divided by average annual truck population.

**Percentage of capacity utilized**—net ton miles performed divided by capacity ton miles. This measures the effective utilization of motor vehicles on a ton mile basis rather than by weight carried.

**Gross ton miles**—weight of the vehicle empty (tare weight) multiplied by total miles travelled plus total net ton miles performed. The tare weight of each vehicle was estimated, except for those in Quebec and British Columbia which were registered by tare weight.

**Average gross ton miles per truck**—total gross ton miles divided by average annual truck population.

**Compilation of National Estimates:****(a) Eliminating Duplication:**

Because some vehicles are registered in more than one province and travel across provincial boundaries, it was necessary to compile national estimates by the addition of "within the province" statistics published in provincial reports. Traffic within a province is defined as that performed entirely inside the province by trucks registered in the province and includes the "within the province" portion of interprovincial and international traffic. The resulting national totals are slightly understated by the amount of traffic performed by vehicles operating outside of their home province on special permits or through provincial reciprocity. However, by simply adding total traffic performed (inside and outside of the province) by vehicles registered in each province considerable duplication in the national totals would have occurred.

Because vehicle operators were asked to indicate all provinces in which their vehicles were licensed, it was possible to estimate the degree of duplication and arrive at the net or actual truck population of Canada. Considering total registrations, the amount of duplication is comparatively small. During 1957 it is estimated that the actual truck population was 99.8 per cent of the annual average registrations. Actually licence duplication occurs only among for-hire and privately operated highway or intercity vehicles since farm and urban trucks are generally confined to traffic within provincial borders. The for-hire truck population is estimated at 97.4 per cent of total for-hire registrations while private intercity is 99.9 per cent of total private intercity registrations. Most of the vehicles licensed in more than one province are in the upper weight groups. Thus among the for-hire registrations in the gross vehicle weight group 20,001-30,000 lbs. the actual truck population in Canada amounts to 99.5 per cent of the total and in the 30,001-50,000 lbs. and over 50,000 lbs. weight groups, 92.1 and 93.3 per cent respectively. The extent of license duplication also varies according to whether a province issues special trip permits or enters into reciprocal arrangements with other provinces. (Appendix I includes estimates of the net or actual truck population in Canada).

If the actual truck population figures (net registrations) were used in the expansion of the survey results instead of the gross registration population, the resulting traffic data would also have been correspondingly reduced. The estimates of motor

transport traffic in Canada arrived at by this method should theoretically equal the national totals compiled by the summation of "within the province" data.

When vehicles engaged in interprovincial traffic are considered as a separate group, the amount of licence duplication approximates 50 per cent with variations among weight groups, types of vehicles and provinces. The "net registration" method was used to remove the duplication in the national totals of interprovincial traffic that would have resulted if provincial statistics of this type of traffic were added together. A less refined method of eliminating duplication in Canadian interprovincial traffic would be to summarize interprovincial traffic data reported for each province and reduce by 50 per cent.

It should be stressed however, that although we must reduce interprovincial data to obtain realistic national estimates, it does not follow that the interprovincial traffic reported for any individual province is overstated since the statistics represent the performance of vehicles registered in each particular province. It is only when we begin to add provincial data together that difficulties arise.

#### (b) Weight Classifications:

Another problem in the preparation of useful national totals is the lack of provincial comparability in vehicle weight classifications.

All provinces license their trucks by gross vehicle weight, except Quebec and British Columbia which register by tare weight. Since there is no direct method of converting tare weight to gross vehicle weight the following technique was used: For each truck, the gross vehicle weight was estimated from the recorded tare weight and either the estimated carrying capacity or the weight of the heaviest load carried (whichever was larger). The gross vehicle weight of each tractor-trailer combination was estimated from the tare weight of the tractor, the estimated tare weight of the trailer and the weight of the heaviest load carried. This method provides only approximately equivalent gross vehicle weight groups and therefore exact provincial comparability for Quebec and British Columbia cannot be assured.

In Ontario, since tractors and trailers are licensed separately, the combined gross vehicle weight of the tractor-trailer combination had to be calculated by adding to the gross weight of the tractor the estimated tare weight of the trailer used and the weight of the heaviest load carried during the survey week. It was thus difficult to assign tractor-trailers to specific weight groups.

#### (c) Classification by Type of Operation:

In the compilation of statistics for each province, the existing provincial licensing system was used where possible to classify vehicles into the four functional categories of for-hire, private intercity, farm and urban. Unfortunately this method

does not provide closely comparable vehicle classes between provinces thus creating a serious problem in the provision of worthwhile national totals. An examination of the descriptions of the various vehicle classes which have been included in Appendix IV will reveal these variations. It may be noted, for example, that in Ontario a common or contract carrier licence is required for the transportation of commodities for compensation on any highway whereas, in Manitoba, such a licence is required for the transportation of commodities for compensation only beyond a 15 mile radius of the place of registration. On the other hand, in Saskatchewan a carrier licence is required only where compensation is received for the transportation of general merchandise on a specified route or charter or for the conveyance of commodities specified by the provincial highway traffic board.

In the case of urban classification, Manitoba and Alberta are the only two provinces which have a separate licence classification for urban trucks. In Manitoba urban trucks may operate within a fifteen mile radius of the place of registration whereas in Alberta such vehicles must operate within a five mile radius. In all other provinces, trucks which do not have a carrier licence and which operate exclusively within an urban area or within a five mile radius thereof as indicated from replies to the survey questionnaires, have been classified as urban. Since most provinces do not require a carrier licence for urban operations, trucks transporting commodities for compensation are included in the urban classification as well as privately operated trucks.

The three prairie provinces and Quebec issue separate farm licences to bona fide farmers using the vehicles for farm purposes. However, even among these provinces there are variations in definitions of farmers and commodities which can be transported.

#### Sources of Error in the Motor Transport Traffic Survey:

Estimates of annual average truck population are considered to be fairly accurate on the whole being calculated simply by multiplying the number in the sample by the inverse of the selection ratios. Incorrect estimates may arise, however, from instances whereby cancelled licences have not been deleted from registration records; where current licences have been removed from vehicle files for various reasons by provincial officials; or through various other circumstances which occur occasionally.

The four survey weeks during 1957 were chosen in such a manner as to maintain an even flow of work. Because the quarterly estimates were based entirely upon the results of a one week survey, it was possible to obtain an unrepresentative sample for the period; for example, a severe snow storm during the survey week might cause the quarterly



estimates to be considerably understated. However, a better cross-section of truck traffic was obtained during 1958 when each quarterly sample was spread over three survey weeks with one-third of the sample being used in one week per month. As a result it has been possible to obtain a sample of truck transportation which more accurately reflects seasonal influences.

Some bias may result from the fact that large operators are inclined to keep accurate records of their vehicle operations while many smaller and individual truck owners are not interested in keeping accurate detailed accounts. The information provided by these latter operators is often based more upon opinion than actual operating records. Another factor is the tendency of the larger for-hire and private intercity truckers to be more sympathetic with the objectives of the survey.

Improper reporting is another source of error in the estimates. This varies of course with the type of question asked but through careful editing procedures every effort is made to detect it.

As may be noted in Appendix II, about 25 per cent of the questionnaires were either not returned or were returned incomplete and unusable. The "blow-up" factors used in expanding the sample data were formulated upon the assumption that the vehicles represented by such questionnaires were used and not used in proportion to those vehicles from which completed questionnaires were received. Although this method might bias the estimates, it is a practical technique under the present circumstances.

Reliability of these estimates will tend to vary not only with the type of data collected but also with the size of the sample. Hence in any stratified sample, more reliable results are expected for total figures based upon a relatively large number of returns, rather than for any segment. This has imposed a limit upon the degree of detail possible. Probably

the most reliable estimates are vehicle operating averages such as average yearly mileage. Tests of reliability have still to be carried out and the results will be published at a later date. However, the general estimates obtained so far have shown stability in successive surveys and generally seem to conform with the results expected by major users of the data including trucking associations.

#### Response to Survey:

During the year, survey questionnaires were sent to the owners or operators of 100,846 motor vehicles. Of this number, 45,750 or 45.4 per cent were returned completed and 29,736 vehicles or 29.5 per cent were reported not used. In addition, 15,208 questionnaires or 15.1 per cent were returned with insufficient information and were therefore unusable. Non response totalled 10,152 or 10.0 per cent. As the questionnaires in the not used category are considered equivalent to completed returns, the total number of usable questionnaires amounted to 75,486 or 74.9 per cent of the sample.

Although 15,208 questionnaires were not completed, this should not be taken as an indication of the degree of non-co-operation since some of the truck owners involved had sold the particular vehicle in question or could not be reached because of a change of address. Other vehicle owners in this category made some attempt to answer the questions but their reports could not be used because they were completed incorrectly. It is quite possible more questionnaires would have been completed properly by this latter group, if personal contact had been used extensively as part of the follow-up procedure.

Response from for-hire truck owners was very favourable. This probably results from their direct interest in obtaining reliable trucking statistics and from the excellent co-operation of the trucking associations which have urged their members to complete the questionnaires.

### REVIEW OF SURVEY RESULTS

Excluding vehicles that do not perform transportation services, the average number of trucks licensed in Canada, as indicated from provincial registration records amounted to 832,055. Of these 46,344 or 5.6 per cent were for-hire carriers; 214,992 or 25.8 per cent were private intercity trucks; 278,891 or 33.5 per cent were private trucks operated predominantly within urban areas; and 291,828 or 35.1 per cent were farm trucks. More than one quarter of the total number of trucks were registered in Ontario and almost one half or 412,260 were registered in the two provinces of Ontario and Quebec.

In the tables presented, blanks appear in a number of cells indicating that no vehicles were selected in any of the quarterly samples. It does

not necessarily follow that there were no vehicles in the provinces belonging to these particular cells or categories.

#### Section I. Total Truck Traffic in Canada

The total number of miles travelled by all trucks registered in Canada during the year 1957, amounted to 5,645 million of which 15 per cent was accounted for by for-hire trucks, 37 per cent by private intercity vehicles, 31 per cent by urban trucks and 17 per cent by farm trucks, the most numerous of all vehicles. The average distance travelled ranged from 3,400 miles for farm trucks to 18,200 for public carriers or for-hire vehicles. The average yearly mileage travelled by all trucks registered in Canada was 6,800 miles.



Nearly three-quarters of all trucks registered in Canada had a gross vehicle weight of five tons or under. The average yearly mileage travelled by trucks in this group was generally below those of trucks in other weight groups and they travelled empty approximately 60 per cent of the time carrying an average load of less than one-half ton. As a result, net ton miles performed amounted to 672 million or only 7 per cent of the total for all trucks. Therefore, those vehicles with a gross vehicle weight of over five tons, comprising approximately one-quarter of the total trucks registered, performed 93 per cent of the road transportation services of the country, measured in terms of net ton miles.

## Section II. For-Hire Truck Traffic in Canada

Although for-hire trucks amounted to only 5.6 per cent of all trucks registered, they accounted for 48.3 per cent of total net ton miles performed by all trucks. This results not only from the comparatively high average yearly mileage of for-hire trucks (18,200 as opposed to 6,800 for all trucks) but also from the heavier average load carried (8.2 tons as compared with an average of 3.5 tons for all trucks). The heavier loads carried by for-hire trucks are to be expected, as nearly 32 per cent of these vehicles have a gross vehicle weight of over 15 tons whereas less than 3 per cent of all other classes combined are in this upper weight group. The predominance of heavier vehicles in the for-hire class also explains the low miles per gallon of gasoline of 6.6 as compared with a ratio of 10.3 for all vehicles.

Of total for-hire trucks registered, more than half or 25,884 were in the two provinces of Ontario and Quebec and accounted for over 60 per cent of total miles travelled by such vehicles in Canada, more than 66 per cent of net ton miles performed and approximately 58 per cent of total tons of goods carried. For-hire trucks in Quebec and Ontario tended to travel fewer empty miles and the percentage of capacity utilized was higher.

The total amount of revenue received by for-hire carriers registered in Canada amounted to 381 million dollars or an average of 8,200 dollars per vehicle. Revenue per ton mile was 8.2 cents and revenue per mile amounted to 45.1 cents. The highest revenue per ton mile, 17.6 cents, was in the province of Newfoundland, which was more than twice the average for Canada. The lowest, 7.0 cents, was charged by Saskatchewan registered trucks.

## Section III. Private Intercity Truck Traffic in Canada

Private intercity vehicles in Canada numbered 214,992, almost 26 per cent of total vehicles registered, or more than four times the number of for-hire vehicles. Total mileage travelled by this group amounted to 2,089 million miles or almost three times that of for-hire vehicles. On the other hand, net ton miles amounted to 70.2 per cent and gross ton miles 97.3 per cent of that performed by the

for-hire group. About 75 per cent of the net ton miles performed by these vehicles in Canada was in Ontario and Quebec.

## Section IV. Urban Truck Traffic in Canada

Urban vehicles numbered 278,891, and accounted for 33.5 per cent of all trucks registered in Canada. Over 40 per cent of urban trucks were licensed in Ontario.

Average yearly mileage for all urban trucks was 6,200, substantially below that of both for-hire and private intercity trucks. Average weight carried was only 1.4 tons compared with 8.2 and 3.6 tons by for-hire and private intercity trucks respectively. Percentage of capacity utilized was 31.1 per cent, considerably below the national average of 39.8 per cent for all trucks. As a result, average net ton miles for urban trucks was comparatively low at 4,800 and total net ton miles performed by this group was only 13.8 per cent of the total for Canada. The percentage of total mileage travelled empty by urban trucks was 45.5 resulting from some of these vehicles having no return loads and from others operated for personal transportation.

## Section V. Farm Truck Traffic in Canada

The majority of farm trucks in Canada, 170,669 out of 291,828 or 58.5 per cent, were registered in the prairie provinces. In Manitoba, 55.9 per cent and in Alberta, 56.6 per cent of all trucks were farm vehicles. However, the highest concentration of farm trucks was in Saskatchewan where over 78 per cent of all trucks registered were farm vehicles. The average farm truck engaged in less traffic than any other class of vehicle. This can partly be attributed to the fall off of farm operations during winter months, particularly in the prairie provinces.

## Section VI. Intraprovincial Traffic of For-hire and Private Intercity Trucks

This section presents a summary of intraprovincial traffic performed in individual provinces by for-hire and private intercity trucks. Statistics of intraprovincial traffic included here concern intercity operations originating and terminating within the borders of each province and excludes interprovincial and international traffic as well as traffic performed outside each province in which the vehicles are surveyed.

Of the total net ton miles performed by for-hire and private intercity trucks, manufactures and miscellaneous commodities accounted for 50 and 46 per cent respectively. Each ton of manufactures was carried approximately 90 miles by for-hire vehicles compared with 42 miles by private intercity trucks. In terms of total weight of goods carried, mine products was the chief commodity group for both classes of vehicles, amounting to 54 per cent for public carriers and 52 per cent for private intercity trucks.

**Section VII. Interprovincial and International Traffic**

In compiling the statistics in this section, due allowance was made for vehicles licensed in more than one province in order to avoid duplication.

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than on the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries from or to points outside the survey province. Interchange traffic, that is the movement of goods to border points by one vehicle with trans-shipment to another vehicle, has not been included. Similarly road tractors which deliver their trailers to border points for transfer to other tractors which, in turn transport them through the adjoining province or state, are excluded from this section.

On the present basis of sampling motor transport traffic, comparatively few trucks engaged in interprovincial and international traffic are included in these surveys and as a result wholly reliable estimates of such traffic have not been obtained.

Hence, the data in this section of the report should be used with considerable caution.

For-hire trucks engaged in interprovincial traffic carried 2,492,000 tons of commodities of which almost 71 per cent was transported between the provinces of Quebec and Ontario. Of the total weight of goods carried by for-hire trucks, 59 per cent was manufactures and miscellaneous products. The average length of haul was 406 miles or nearly ten times the average length in intraprovincial traffic.

Private intercity trucks transported 908,000 tons of goods in interprovincial service of which 80 per cent was moved between Quebec and Ontario. Forest products and manufactures together comprised 76 per cent of the total weight of goods carried by private intercity trucks. The average length of haul was 192 miles or about half the average distance of for-hire commodity movements.

In international service, 633,000 tons of goods were transported from the United States to Canada while 782,000 tons were exported to the United States.



## SECTION I. TOTAL TRUCK TRAFFIC IN CANADA, BY PROVINCE, 1957

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	845,025	2,088,835	1,727,339	983,862	5,645,061
Average yearly mileage per truck .....		18,200	9,700	6,200	3,400	6,800
Average distance each ton was carried .....		37.0	23.5	8.6	13.6	21.5
Percentage of total mileage travelled empty .....		32.6	56.5	45.5	65.7	51.2
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	114,192	194,978	153,563	74,324	537,057
Miles per gallon of gasoline .....		6.6	10.5	11.2	13.2	10.3
Total gallons of diesel oil consumed .....	'000	15,087	4,521	879	—	20,487
Miles per gallon of diesel oil .....		6.0	5.9	5.9	—	6.0
Total gallons of other fuel consumed .....	'000	421	783	12	—	1,216
Miles per gallon of other fuel .....		6.1	6.5	6.5	—	6.4
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	126,262	139,096	154,930	28,567	448,855
Average weight carried <sup>1</sup> .....	ton	8.2	3.6	1.4	1.2	3.5
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	4,666,800	3,274,579	1,327,743	389,103	9,658,225
Average net ton miles per truck .....		100,700	15,200	4,800	1,300	11,600
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	9,759,635	8,578,495	4,273,070	1,683,551	24,294,751
Average capacity ton miles per truck .....		210,600	39,900	15,300	5,800	29,200
Percentage of capacity utilized .....		47.8	38.2	31.1	23.1	39.8
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	9,914,248	9,646,428	5,682,958	2,501,393	27,745,027
Average gross ton miles per truck .....		213,900	44,900	20,400	8,600	33,300
<b>Revenue:</b>						
Total revenue .....	\$'000	380,759	—	—	—	—
Revenue per ton mile .....	¢	8.2	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	45.1	—	—	—	—
Average revenue per truck .....	\$	8,200	—	—	—	—

TABLE 2. All Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	15-25 tons	Over 25 tons	Total
<b>Mileage:</b>								
Total mileage travelled ..... '000	1,912,458	1,582,155	318,300	475,692	598,692	471,296	286,468	5,645,061
Average yearly mileage per truck .....	5,700	5,600	5,600	6,500	11,500	17,900	35,800	6,800
Average distance each ton was carried .....	16.9	12.0	13.2	14.2	13.2	24.1	93.9	21.5
Percentage of total mileage travelled empty .....	66.6	51.6	36.2	38.0	41.4	37.4	27.5	51.2
<b>Fuel:</b>								
Total gallons of gasoline consumed ..... '000	125,308	121,298	32,428	57,608	83,548	75,451	41,416	537,057
Miles per gallon of gasoline .....	15.3	13.0	9.8	8.2	7.1	5.6	5.1	10.3
Total gallons of diesel oil consumed ..... '000	—	—	24	108	717	7,546	12,092	20,487
Miles per gallon of diesel oil .....	—	—	9.5	9.1	6.2	6.0	6.0	6.0
Total gallons of other fuel consumed ..... '000	18	80	6	92	611	54	355	1,216
Miles per gallon of other fuel .....	16.1	11.2	7.0	9.6	6.4	4.5	4.2	6.4
<b>Weight of goods carried:</b>								
Total tons of goods carried ..... '000	11,580	39,762	30,958	69,340	148,293	119,714	29,208	448,855
Average weight carried <sup>1</sup> ..... ton	0.3	0.6	2.0	3.3	5.6	9.8	13.2	3.5
<b>Net ton miles:</b>								
Total net ton miles performed ..... '000	195,850	476,051	410,127	985,518	1,962,848	2,885,220	2,742,611	9,658,225
Average net ton miles per truck .....	600	1,700	7,200	13,400	37,900	109,600	342,800	11,600
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> ..... '000	1,561,416	2,171,685	1,105,086	2,600,869	4,763,654	6,569,327	5,522,714	24,294,751
Average capacity ton miles per truck .....	4,700	7,700	19,300	35,400	91,900	249,500	690,300	29,200
Percentage of capacity utilized .....	12.5	21.9	37.1	37.9	41.2	43.9	49.7	39.8
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> ..... '000	3,173,093	3,814,834	1,486,069	2,895,581	4,785,114	6,069,486	5,520,850	27,745,027
Average gross ton miles per truck .....	9,500	13,500	26,000	39,400	92,300	230,500	690,100	33,300

See footnotes page 24.



## SECTION II. FOR HIRE TRUCK TRAFFIC IN CANADA, BY PROVINCE, 1937

TABLE 1. All Gross Vehicle Weight Groups

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled .....	'000 5,869	2,852	33,928	12,368	197,826	310,544
Average yearly mileage per truck .....	8,300	13,100	14,300	11,600	16,400	22,500
Average distance each ton was carried .....	10.4	28.7	13.1	26.1	34.7	46.9
Percentage of total mileage travelled empty .....	43.2	42.2	40.3	36.5	26.1	30.5
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000 604	314	4,064	1,706	24,460	44,631
Miles per gallon of gasoline .....	9.7	9.1	8.3	7.2	7.1	6.2
Total gallons of diesel oil consumed .....	'000 —	—	14	15	3,935	5,217
Miles per gallon of diesel oil .....	—	—	6.8	7.0	6.1	6.6
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 1,008	325	7,913	1,820	28,830	44,499
Average weight carried <sup>1</sup> .....	ton 3.1	5.7	5.1	6.0	6.8	9.7
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000 10,430	9,330	103,895	47,493	1,000,717	2,085,348
Average net ton miles per truck .....	14,800	43,000	43,700	44,500	82,800	151,100
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000 23,752	20,146	231,633	113,486	1,907,802	4,280,504
Average capacity ton miles per truck .....	33,800	92,800	97,500	106,400	157,900	310,100
Percentage of capacity utilized .....	43.9	46.3	44.9	41.8	52.5	48.7
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000 29,497	22,510	251,855	113,520	2,016,402	4,307,131
Average gross ton miles per truck .....	42,000	103,700	106,000	106,400	166,900	312,000
<b>Revenue:</b>						
Total revenue .....	\$'000 1,831	716	10,978	4,295	94,823	151,940
Revenue per ton mile .....	¢ 17.6	7.7	10.6	9.0	9.5	7.3
Revenue per mile (total mileage travelled) .....	¢ 31.2	25.1	32.4	34.7	47.9	48.9
Average revenue per truck .....	\$ 2,600	3,300	4,600	4,000	7,800	11,000
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled .....	'000 24,402	45,163	138,876	73,197	845,025	
Average yearly mileage per truck .....	19,400	27,900	16,300	15,500	18,200	
Average distance each ton was carried .....	71.2	112.1	32.1	22.5	37.0	
Percentage of total mileage travelled empty .....	24.2	37.9	42.4	34.9	32.6	
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000 3,727	6,584	18,539	9,563	114,192	
Miles per gallon of gasoline .....	6.3	6.4	6.6	6.1	6.6	
Total gallons of diesel oil consumed .....	'000 118	415	2,600	2,773	15,087	
Miles per gallon of diesel oil .....	6.5	6.4	5.4	5.2	6.0	
Total gallons of other fuel consumed .....	'000 —	40	319	62	421	
Miles per gallon of other fuel .....	—	4.9	6.4	5.0	6.1	
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000 1,640	2,077	20,989	17,161	126,262	
Average weight carried <sup>1</sup> .....	ton 6.3	8.3	8.4	8.1	8.2	
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000 116,751	232,859	673,644	386,333	4,666,800	
Average net ton miles per truck .....	92,800	143,900	79,300	81,800	100,700	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000 261,904	560,880	1,492,745	866,783	9,759,635	
Average capacity ton miles per truck .....	208,200	346,700	175,600	183,500	210,600	
Percentage of capacity utilized .....	44.6	41.5	45.1	44.6	47.8	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000 268,405	530,997	1,500,380	873,551	9,914,248	
Average gross ton miles per truck .....	213,400	328,200	176,500	185,000	213,900	
<b>Revenue:</b>						
Total revenue .....	\$'000 9,609	16,295	48,652	41,620	380,759	
Revenue per ton mile .....	¢ 8.2	7.0	7.2	10.8	8.2	
Revenue per mile (total mileage travelled) .....	¢ 39.4	36.1	35.0	56.9	45.1	
Average revenue per truck .....	\$ 7,600	10,100	5,700	8,800	8,200	

TABLE 2. 0-5 Tons, Gross Vehicle Weight\*

		Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>									
Total mileage travelled .....	'000	8,740	23,864	6,344	1,006	1,668	3,703	5,895	51,220
Average yearly mileage per truck .....		9,000	11,700	10,800	8,900	20,300	6,400	10,300	10,400
Average distance each ton was carried .....		14.2	21.2	5.1	38.5	53.4	28.8	16.8	13.5
Percentage of total mileage travelled empty .....		39.8	28.3	33.7	28.0	39.4	30.5	27.5	31.4
<b>Fuel:</b>									
Total gallons of gasoline consumed .....	'000	695	1,979	634	91	161	293	507	4,360
Miles per gallon of gasoline .....		12.6	12.1	10.0	11.0	10.4	12.6	11.6	11.7
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....		—	—	—	—	—	—	—	—
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	410	696	1,101	25	15	83	352	2,682
Average weight carried <sup>1</sup> .....	ton	1.1	0.9	1.3	1.3	0.8	0.9	1.4	1.0
<b>Net ton miles:</b>									
Total net ton miles performed .....	'000	5,805	14,781	5,605	964	801	2,392	5,936	36,284
Average net ton miles per truck .....		6,000	7,300	9,600	8,500	9,800	4,200	10,300	7,300
<b>Capacity ton miles:</b>									
Total capacity ton miles <sup>2</sup> .....	'000	14,554	37,765	13,252	1,686	2,700	5,988	14,413	90,358
Average capacity ton miles per truck .....		15,000	18,600	22,700	14,900	32,900	10,400	25,100	18,300
Percentage of capacity utilized .....		39.9	39.1	42.3	57.2	29.7	39.9	41.2	40.2
<b>Gross ton miles:</b>									
Total gross ton miles <sup>3</sup> .....	'000	24,145	67,286	21,105	3,453	4,816	10,160	20,077	151,042
Average gross ton miles per truck .....		24,800	33,100	36,100	30,600	58,700	17,600	35,000	30,600
<b>Revenue:</b>									
Total revenue .....	\$'000	1,991	6,324	1,195	168	105	527	2,080	12,390
Revenue per ton mile .....	¢	34.3	42.8	21.3	17.5	13.1	22.0	35.0	34.1
Revenue per mile (total mileage travelled) .....	¢	22.8	26.5	18.8	16.7	6.3	14.2	35.3	24.2
Average revenue per truck .....	\$	2,000	3,100	2,000	1,500	1,300	900	3,600	2,500

\*Because there were relatively few for-hire vehicles of 0-2½ tons gross vehicle weight reporting in most provinces, weight groups 0-2½ and 2½-5 tons have been combined here.

TABLE 3. 5-7½ Tons, Gross Vehicle Weight

		Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>									
Total mileage travelled .....	'000	5,147	24,313	6,095	933	418	3,690	4,796	45,392
Average yearly mileage per truck .....		7,600	11,100	9,200	14,400	11,900	16,200	12,700	10,700
Average distance each ton was carried .....		9.9	20.2	14.3	39.3	6.1	37.2	9.9	16.1
Percentage of total mileage travelled empty .....		37.7	20.8	31.0	17.2	65.5	59.0	34.1	28.9
<b>Fuel:</b>									
Total gallons of gasoline consumed .....	'000	535	2,613	618	97	47	416	519	4,845
Miles per gallon of gasoline .....		9.6	9.3	9.9	9.6	8.9	8.9	9.3	9.4
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....		—	—	—	—	—	—	—	—
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	1,020	2,339	536	42	35	84	707	4,763
Average weight carried <sup>1</sup> .....	ton	3.1	2.4	1.8	2.1	1.5	2.1	2.2	2.4
<b>Net ton miles:</b>									
Total net ton miles performed .....	'000	10,060	47,165	7,658	1,633	212	3,125	7,026	76,879
Average net ton miles per truck .....		14,900	21,500	11,600	25,100	6,100	13,700	18,600	18,200
<b>Capacity ton miles:</b>									
Total capacity ton miles <sup>2</sup> .....	'000	23,026	87,631	19,560	3,854	1,465	14,319	17,926	167,781
Average capacity ton miles per truck .....		34,200	40,000	29,600	59,300	41,900	62,800	47,400	39,600
Percentage of capacity utilized .....		43.7	53.8	39.2	42.4	14.5	21.8	39.2	45.8
<b>Gross ton miles:</b>									
Total gross ton miles <sup>3</sup> .....	'000	27,700	126,984	28,222	4,908	1,629	16,020	23,321	228,784
Average gross ton miles per truck .....		41,100	57,900	42,800	75,500	46,500	70,300	61,700	54,000
<b>Revenue:</b>									
Total revenue .....	\$'000	1,840	9,457	3,241	238	42	566	2,064	17,448
Revenue per ton mile .....	¢	18.3	20.1	42.3	14.6	19.8	18.1	29.4	22.7
Revenue per mile (total mileage travelled) .....	¢	35.7	38.9	53.2	25.5	10.0	15.3	43.0	38.4
Average revenue per truck .....	\$	2,700	4,300	4,900	3,700	1,200	2,500	5,500	4,100

See footnotes page 24.



TABLE 4. 7½- 10 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000	12,012	24,288	33,347	4,242	2,574	18,292	100,621
Average yearly mileage per truck .....		9,800	14,100	12,400	22,900	19,100	9,400	11,800
Average distance each ton was carried .....		12.2	24.7	14.4	55.9	57.7	17.7	17.4
Percentage of total mileage travelled empty .....		45.4	22.0	30.2	24.3	30.5	44.1	32.4
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000	1,443	3,006	4,179	527	295	2,113	12,320
Miles per gallon of gasoline .....		8.3	7.9	8.0	8.1	8.7	8.7	8.1
Total gallons of diesel oil consumed .....	'000	—	72	—	—	—	—	72
Miles per gallon of diesel oil .....		—	8.8	—	—	—	—	8.8
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	1	1
Miles per gallon of other fuel .....		—	—	—	—	12.3	—	12.3
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000	2,601	2,605	5,480	175	109	2,353	14,170
Average weight carried <sup>1</sup> .....	ton	4.8	3.4	3.4	3.1	3.5	4.1	3.6
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000	31,769	64,397	78,838	9,822	6,280	41,679	246,825
Average net ton miles per truck .....		25,900	37,300	29,400	53,100	46,500	21,500	28,800
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000	73,532	126,176	183,655	22,053	16,570	108,841	567,183
Average capacity ton miles per truck .....		59,900	73,000	68,500	119,200	122,700	56,200	66,300
Percentage of capacity utilized .....		43.2	51.0	42.9	44.5	37.9	38.3	43.5
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000	79,921	160,292	214,002	26,651	17,159	118,638	654,752
Average gross ton miles per truck .....		65,100	92,800	79,800	144,100	127,100	61,200	76,500
<b>Revenue:</b>								
Total revenue .....	\$'000	4,015	8,947	12,053	1,372	978	5,105	35,322
Revenue per ton mile .....	¢	12.6	13.9	15.3	14.0	15.6	12.2	20.3
Revenue per mile (total mileage travelled) .....	¢	33.4	36.8	36.1	32.4	38.0	27.9	48.6
Average revenue per truck .....	\$	3,300	5,200	4,500	7,400	7,200	2,600	4,100

TABLE 5. 10-15 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000	21,458	35,590	73,801	5,168	8,130	63,298	228,507
Average yearly mileage per truck .....		17,500	15,700	15,900	29,000	24,800	16,200	16,300
Average distance each ton was carried .....		11.4	20.8	14.0	42.8	43.9	20.2	15.7
Percentage of total mileage travelled empty .....		42.7	32.3	42.2	28.9	38.4	45.4	40.9
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000	2,741	4,949	9,909	705	979	8,796	31,332
Miles per gallon of gasoline .....		7.8	7.2	7.4	7.3	8.3	6.7	7.1
Total gallons of diesel oil consumed .....	'000	—	—	46	—	—	451	607
Miles per gallon of diesel oil .....		—	—	8.5	—	—	6.1	6.2
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	206	206
Miles per gallon of other fuel .....		—	—	—	—	—	7.7	7.7
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000	6,539	6,034	19,279	371	542	12,285	52,991
Average weight carried <sup>1</sup> .....	ton	6.1	5.2	6.3	4.3	4.8	7.2	6.2
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000	74,724	125,313	270,537	15,917	23,796	248,180	832,179
Average net ton miles per truck .....		61,000	55,100	58,100	89,400	72,500	63,300	59,300
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000	171,434	273,169	610,674	36,938	63,815	568,121	1,893,606
Average capacity ton miles per truck .....		139,900	120,100	131,200	207,500	194,600	145,000	134,900
Percentage of capacity utilized .....		43.6	45.9	44.3	43.0	37.3	43.7	43.9
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000	177,680	277,919	627,512	39,325	61,641	554,828	1,914,057
Average gross ton miles per truck .....		145,000	122,200	134,900	220,900	187,900	141,600	136,300
<b>Revenue:</b>								
Total revenue .....	\$'000	6,917	14,715	21,993	1,532	2,279	20,199	77,599
Revenue per ton mile .....	¢	9.3	11.7	8.1	9.6	9.6	8.1	9.3
Revenue per mile (total mileage travelled) .....	¢	32.2	41.3	29.8	29.6	28.0	31.9	47.3
Average revenue per truck .....	\$	5,600	6,500	4,700	8,600	6,900	5,200	5,500



TABLE 6. 15-25 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000 5,414	89,771	44,629	7,685	26,835	26,237	14,586	215,157
Average yearly mileage per truck .....	27,600	23,300	24,900	18,700	29,700	22,400	15,900	23,300
Average distance each ton was carried .....	75.7	43.7	45.2	83.5	137.4	39.4	16.0	43.3
Percentage of total mileage travelled empty .....	30.0	25.7	35.3	20.9	40.8	39.7	41.4	32.3
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 867	11,913	7,679	1,366	4,506	4,117	2,678	33,126
Miles per gallon of gasoline .....	6.2	5.6	5.6	5.6	5.8	5.8	5.2	5.6
Total gallons of diesel oil consumed .....	'000 —	3,863	196	—	116	448	114	4,737
Miles per gallon of diesel oil .....	—	6.1	7.1	—	6.7	5.4	5.7	6.1
Total gallons of other fuel consumed .....	'000 —	—	—	—	—	30	—	30
Miles per gallon of other fuel .....	—	—	—	—	—	4.0	—	4.0
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 399	17,156	5,281	464	1,140	4,147	5,128	33,715
Average weight carried <sup>1</sup> .....	ton 8.0	11.2	8.3	6.4	9.9	10.3	9.6	10.0
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 30,188	749,061	238,865	38,749	156,725	163,521	82,220	1,459,328
Average net ton miles per truck .....	154,000	194,500	133,100	94,000	173,600	139,400	89,800	157,800
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 67,929	1,383,061	601,937	103,488	379,429	371,099	198,835	3,105,778
Average capacity ton miles per truck .....	346,600	359,100	335,300	251,200	420,200	316,400	217,100	335,900
Percentage of capacity utilized .....	44.4	54.2	39.7	37.4	41.3	44.1	41.4	47.0
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 67,817	1,383,921	555,820	92,148	343,994	347,470	178,111	2,969,081
Average gross ton miles per truck .....	346,000	359,400	309,500	223,700	380,900	296,200	194,400	321,100
<b>Revenue:</b>								
Total revenue .....	\$'000 1,949	55,380	21,409	3,418	10,017	10,033	9,169	111,375
Revenue per ton mile .....	¢ 6.5	7.4	9.0	8.6	6.4	6.1	11.2	7.6
Revenue per mile (total mileage travelled) .....	¢ 36.0	61.7	48.0	44.5	37.3	38.2	62.9	51.8
Average revenue per truck .....	\$ 9,900	14,400	11,900	8,300	11,100	8,600	10,000	12,000

TABLE 7. Over 25 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000 2,246	—	146,328	5,368	5,538	23,656	20,992	204,128
Average yearly mileage per truck .....	33,500	—	42,700	17,600	41,000	35,500	28,900	38,300
Average distance each ton was carried .....	191.8	—	115.7	88.4	190.9	105.4	93.0	112.3
Percentage of total mileage travelled empty .....	12.2	—	23.1	24.8	23.7	35.1	29.3	25.0
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 407	—	21,612	941	596	2,804	1,849	28,209
Miles per gallon of gasoline .....	5.0	—	5.3	4.9	5.8	5.2	4.1	5.2
Total gallons of diesel oil consumed .....	'000 29	—	4,975	118	299	1,701	2,549	9,671
Miles per gallon of diesel oil .....	6.8	—	6.6	6.5	6.3	5.2	5.2	6.0
Total gallons of other fuel consumed .....	'000 —	—	—	—	40	82	62	184
Miles per gallon of other fuel .....	—	—	—	—	4.9	4.0	5.0	4.5
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 97	—	12,822	562	236	2,037	2,187	17,941
Average weight carried <sup>1</sup> .....	ton 9.4	—	13.2	12.3	10.7	14.0	13.7	13.2
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 18,602	—	1,483,845	49,667	45,045	214,747	203,399	2,015,305
Average net ton miles per truck .....	277,600	—	432,900	162,800	333,700	322,400	279,800	378,200
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 38,542	—	2,851,426	93,885	96,901	424,377	429,798	3,934,929
Average capacity ton miles per truck .....	575,300	—	831,800	307,800	717,800	637,200	591,200	738,500
Percentage of capacity utilized .....	48.3	—	52.0	52.9	46.5	50.6	47.3	51.2
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 40,119	—	2,860,670	101,920	101,758	453,264	438,801	3,996,522
Average gross ton miles per truck .....	598,800	—	834,500	334,200	753,800	680,600	603,600	750,100
<b>Revenue:</b>								
Total revenue .....	\$'000 1,108	—	92,049	2,881	2,874	12,222	15,491	126,625
Revenue per ton mile .....	¢ 6.0	—	6.2	5.8	6.4	5.7	7.6	6.3
Revenue per mile (total mileage travelled) .....	¢ 49.3	—	62.9	53.7	51.9	51.7	73.8	62.0
Average revenue per truck .....	\$ 16,500	—	26,900	9,400	21,300	18,400	21,300	23,800

See footnotes page 24.

## SECTION III. PRIVATE INTERCITY TRUCK TRAFFIC IN CANADA, BY PROVINCE, 1957

TABLE 1. All Gross Vehicle Weight Groups

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	19,717	10,742	116,952	96,824	461,410	756,417
Average yearly mileage per truck .....	5,800	6,900	8,100	8,900	12,500	10,000
Average distance each ton was carried .....	14.9	16.8	13.2	13.5	22.4	30.9
Percentage of total mileage travelled empty .....	61.1	57.2	65.7	55.1	46.6	55.3
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	1,459	855	9,661	9,002	48,803	73,882
Miles per gallon of gasoline .....	13.5	12.6	12.1	10.7	9.3	10.0
Total gallons of diesel oil consumed ..... '000	—	—	—	36	1,578	2,231
Miles per gallon of diesel oil .....	—	—	—	10.0	5.8	6.2
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	71
Miles per gallon of other fuel .....	—	—	—	—	—	7.1
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	778	448	7,664	10,924	46,086	46,388
Average weight carried <sup>1</sup> ..... ton	1.5	1.6	2.5	3.4	4.2	4.2
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	11,613	7,516	101,290	147,252	1,030,968	1,431,952
Average net ton miles per truck .....	3,400	4,800	7,100	13,500	27,900	18,900
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	37,779	24,800	313,471	391,799	2,521,919	3,597,426
Average capacity ton miles per truck .....	11,100	15,800	21,800	36,000	68,400	47,400
Percentage of capacity utilized .....	30.7	30.3	32.3	37.6	40.9	39.8
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	55,874	32,705	406,509	442,637	2,571,065	4,054,368
Average gross ton miles per truck .....	16,400	20,900	28,300	40,700	69,700	53,500
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	32,558	102,026	252,544	239,645	2,088,835	
Average yearly mileage per truck .....	13,600	10,500	8,500	7,900	9,700	
Average distance each ton was carried .....	30.8	19.1	32.8	16.7	23.5	
Percentage of total mileage travelled empty .....	38.9	55.6	65.2	68.7	56.5	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	3,386	9,645	18,748	19,537	194,978	
Miles per gallon of gasoline .....	9.5	10.5	13.3	12.1	10.5	
Total gallons of diesel oil consumed ..... '000	27	63	—	586	4,521	
Miles per gallon of diesel oil .....	7.0	4.9	—	5.0	5.9	
Total gallons of other fuel consumed ..... '000	29	32	600	51	783	
Miles per gallon of other fuel .....	5.5	6.2	6.4	8.1	6.5	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	1,331	7,727	3,696	14,054	139,096	
Average weight carried <sup>1</sup> ..... ton	2.1	3.3	1.4	3.1	3.6	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	40,940	147,717	121,056	234,275	3,274,579	
Average net ton miles per truck .....	17,100	15,100	4,100	7,800	15,200	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	133,595	389,642	468,427	699,637	8,578,495	
Average capacity ton miles per truck .....	55,800	39,900	15,800	23,100	39,900	
Percentage of capacity utilized .....	30.6	37.9	25.8	33.5	38.2	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	150,462	460,493	626,010	846,305	9,646,428	
Average gross ton miles per truck .....	62,800	47,200	21,100	28,000	44,900	

See footnotes page 24.

TABLE 2. 0-2½ Tons, Gross Vehicle Weight

		Atlantic provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>									
Total mileage travelled .....	'000	20,112	76,426	345,970	—	47,861	177,532	110,602	778,503
Average yearly mileage per truck .....		5,400	10,100	7,900	—	9,800	8,400	6,900	8,000
Average distance each ton was carried .....		16.8	29.0	23.5	—	23.4	23.3	21.5	24.0
Percentage of total mileage travelled empty .....		69.0	59.5	72.7	—	67.5	71.0	76.8	71.2
<b>Fuel:</b>									
Total gallons of gasoline consumed .....	'000	1,240	5,118	22,474	—	3,044	11,111	6,820	49,807
Miles per gallon of gasoline .....		16.2	14.9	15.4	—	15.7	16.0	16.2	15.6
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....		—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	18	—	18
Miles per gallon of other fuel .....		—	—	—	—	—	15.8	—	15.8
<b>Weight of goods carried:</b>									
Total tons of goods carried .....	'000	107	732	1,517	—	377	522	654	3,909
Average weight carried <sup>1</sup> .....	ton	0.3	0.7	0.4	—	0.6	0.2	0.6	0.4
<b>Net ton miles:</b>									
Total net ton miles performed .....	'000	1,793	21,233	35,697	—	8,825	12,142	14,105	93,795
Average net ton miles per truck .....		500	2,800	800	—	1,800	600	900	1,000
<b>Capacity ton miles:</b>									
Total capacity ton miles <sup>2</sup> .....	'000	15,571	87,136	275,006	—	42,840	138,210	97,089	655,852
Average capacity ton miles per truck .....		4,200	11,600	6,300	—	8,800	6,500	6,100	6,700
Percentage of capacity utilized .....		11.5	24.4	13.0	—	20.6	8.8	14.5	14.3
<b>Gross ton miles:</b>									
Total gross ton miles <sup>3</sup> .....	'000	32,552	141,343	584,934	—	89,422	252,076	185,540	1,285,327
Average gross ton miles per truck .....		8,800	18,800	13,300	—	18,400	11,900	11,600	13,200

TABLE 3. 2½-5 Tons, Gross Vehicle Weight

		Atlantic provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>									
Total mileage travelled .....	'000	139,070	137,082	102,424	19,169	14,129	36,930	72,052	520,856
Average yearly mileage per truck .....		7,300	10,900	8,600	12,500	9,100	7,900	8,100	8,600
Average distance each ton was carried .....		15.1	26.8	17.6	38.6	23.1	24.6	23.8	20.7
Percentage of total mileage travelled empty .....		70.1	47.6	44.8	42.5	54.1	61.2	75.1	57.8
<b>Fuel:</b>									
Total gallons of gasoline consumed .....	'000	9,452	10,451	8,388	1,516	1,164	2,795	5,031	38,797
Miles per gallon of gasoline .....		14.7	13.1	12.2	12.6	12.1	13.1	14.3	13.4
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....		—	—	—	—	—	—	—	—
Total gallons of other fuel consumed .....	'000	—	—	32	—	—	29	19	80
Miles per gallon of other fuel .....		—	—	10.7	—	—	10.6	12.7	11.2
<b>Weight of goods carried:</b>									
Total tons of goods carried .....	'000	1,602	1,907	2,556	134	245	336	382	7,162
Average weight carried <sup>1</sup> .....	ton	0.6	0.7	0.8	0.5	0.9	0.6	0.5	0.7
<b>Net ton miles:</b>									
Total net ton miles performed .....	'000	24,218	51,093	44,941	5,170	5,653	8,277	9,085	148,437
Average net ton miles per truck .....		1,300	4,100	3,800	3,400	3,600	1,800	1,000	2,500
<b>Capacity ton miles:</b>									
Total capacity ton miles <sup>2</sup> .....	'000	170,900	181,913	154,572	26,267	23,016	46,766	79,214	682,648
Average capacity ton miles per truck .....		8,900	14,400	13,000	17,200	14,800	10,000	8,900	11,300
Percentage of capacity utilized .....		14.2	28.1	29.1	19.7	24.6	17.7	11.5	21.7
<b>Gross ton miles:</b>									
Total gross ton miles <sup>3</sup> .....	'000	297,521	329,189	274,538	46,791	41,137	87,501	144,018	1,220,825
Average gross ton miles per truck .....		15,500	26,100	23,200	30,600	26,400	18,600	16,200	20,300



TABLE 4. 5-7½ Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled.....'000	13,855	40,656	30,594	2,437	4,290	5,944	9,451	107,227
Average yearly mileage per truck .....	8,000	11,000	10,100	11,600	11,400	8,300	7,100	9,600
Average distance each ton was carried .....	19.5	19.5	17.8	44.8	41.5	51.4	10.1	18.1
Percentage of total mileage travelled empty .....	38.0	40.1	38.9	41.1	38.9	39.2	51.7	40.4
<b>Fuel:</b>								
Total gallons of gasoline consumed.....'000	1,364	4,169	3,172	243	415	578	998	10,939
Miles per gallon of gasoline .....	10.2	9.7	9.6	10.0	10.3	10.3	9.4	9.8
Total gallons of diesel oil consumed.....'000	—	24	—	—	—	—	—	24
Miles per gallon of diesel oil .....	—	9.2	—	—	—	—	—	9.2
Total gallons of other fuel consumed.....'000	—	—	—	—	—	—	6	6
Miles per gallon of other fuel .....	—	—	—	—	—	—	6.9	6.9
<b>Weight of goods carried:</b>								
Total tons of goods carried.....'000	950	3,008	2,131	77	156	98	1,715	8,125
Average weight carried <sup>1</sup> .....ton	2.2	2.4	2.0	2.4	2.5	1.3	3.8	2.3
<b>Net ton miles:</b>								
Total net ton miles performed.....'000	18,497	58,693	37,893	3,466	6,469	4,526	17,285	146,829
Average net ton miles per truck .....	10,700	15,800	12,500	16,500	17,300	6,300	13,000	13,200
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....'000	49,834	145,936	102,840	9,633	14,519	19,077	41,564	383,403
Average capacity ton miles per truck .....	28,700	39,300	33,800	45,900	38,700	26,700	31,200	34,500
Percentage of capacity utilized .....	37.1	40.2	36.8	36.0	44.6	23.7	41.6	38.3
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....'000	65,055	190,887	145,119	11,712	21,085	25,837	47,880	507,575
Average gross ton miles per truck .....	37,500	51,500	47,700	55,800	56,200	36,200	35,900	45,700

TABLE 5. 7½-10 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled.....'000	41,298	35,094	72,346	3,892	7,572	13,338	12,524	186,064
Average yearly mileage per truck .....	10,800	11,900	10,800	14,700	9,400	7,300	10,800	10,600
Average distance each ton was carried .....	11.1	21.3	22.3	20.6	29.0	26.7	20.1	17.4
Percentage of total mileage travelled empty .....	44.9	38.2	42.5	25.2	35.2	44.0	45.8	41.9
<b>Fuel:</b>								
Total gallons of gasoline consumed.....'000	4,786	4,170	8,666	489	934	1,597	1,459	22,101
Miles per gallon of gasoline .....	8.6	8.4	8.3	8.0	8.1	7.9	8.6	8.4
Total gallons of diesel oil consumed.....'000	36	—	—	—	—	—	—	36
Miles per gallon of diesel oil .....	10.0	—	—	—	—	—	—	10.0
Total gallons of other fuel consumed.....'000	—	—	—	—	—	79	—	79
Miles per gallon of other fuel .....	—	—	—	—	—	10.0	—	10.0
<b>Weight of goods carried:</b>								
Total tons of goods carried.....'000	10,110	3,792	6,226	382	455	837	1,173	22,975
Average weight carried <sup>1</sup> .....ton	4.9	3.7	3.3	2.7	2.7	3.0	3.5	3.7
<b>Net ton miles:</b>								
Total net ton miles performed.....'000	112,131	80,814	138,805	7,847	13,195	22,337	23,532	398,661
Average net ton miles per truck .....	29,200	27,400	20,700	29,600	16,400	12,300	20,300	22,700
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....'000	263,853	191,907	374,953	20,471	38,509	73,740	69,228	1,032,661
Average capacity ton miles per truck .....	68,700	65,100	55,800	77,200	47,700	40,600	59,600	58,800
Percentage of capacity utilized .....	42.5	42.1	37.0	38.3	34.3	30.3	34.0	38.6
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....'000	274,573	212,078	438,388	23,834	43,963	78,164	72,241	1,143,241
Average gross ton miles per truck .....	71,500	71,900	65,300	89,900	54,500	43,000	62,200	65,100

See footnotes page 24.

TABLE 6. 10-15 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000 24,174	66,507	91,316	3,111	20,951	12,316	16,295	234,670
Average yearly mileage per truck .....	15,200	13,800	15,300	13,600	12,600	13,000	10,800	14,000
Average distance each ton was carried .....	13.1	21.9	15.4	32.5	14.4	26.9	13.2	17.0
Percentage of total mileage travelled empty .....	44.7	40.6	43.4	33.2	43.1	43.5	42.5	42.5
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 3,169	9,256	12,483	436	2,905	1,553	2,272	32,074
Miles per gallon of gasoline .....	7.6	7.2	7.3	6.8	7.1	6.8	6.9	7.2
Total gallons of diesel oil consumed .....	'000 —	—	58	—	—	—	53	111
Miles per gallon of diesel oil .....	—	—	4.7	—	—	—	7.3	5.9
Total gallons of other fuel consumed .....	'000 —	—	—	29	32	318	26	405
Miles per gallon of other fuel .....	—	—	—	5.5	6.2	5.7	5.0	5.7
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 6,091	9,605	17,566	194	4,979	1,305	3,936	43,676
Average weight carried <sup>1</sup> .....	ton 6.0	5.3	5.6	3.0	6.0	5.0	5.5	5.5
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 79,600	210,812	287,424	6,304	71,853	35,148	51,900	742,841
Average net ton miles per truck .....	49,900	43,700	48,100	27,600	43,200	37,000	34,400	44,400
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 187,303	516,762	717,295	21,371	170,175	96,537	128,596	1,838,039
Average capacity ton miles per truck .....	117,500	107,200	120,200	93,700	102,300	101,500	85,300	109,800
Percentage of capacity utilized .....	42.5	40.8	40.1	29.5	42.2	36.4	40.4	40.4
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 193,986	492,916	730,696	20,401	173,925	95,696	130,793	1,838,413
Average gross ton miles per truck .....	121,700	102,200	122,400	89,500	104,600	100,600	86,700	109,800

TABLE 7. Over 15 Tons, Gross Vehicle Weight

	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Canada
<b>Mileage:</b>								
Total mileage travelled .....	'000 5,726	105,645	113,767	3,949	7,223	6,484	18,721	261,515
Average yearly mileage per truck .....	29,200	20,100	26,500	24,400	14,700	18,600	13,800	21,600
Average distance each ton was carried .....	32.9	22.5	54.1	33.4	27.5	63.5	19.1	32.8
Percentage of total mileage travelled empty .....	41.2	45.2	33.8	38.2	46.3	38.0	42.9	39.7
<b>Fuel:</b>								
Total gallons of gasoline consumed .....	'000 966	15,639	18,699	702	1,183	1,114	2,957	41,260
Miles per gallon of gasoline .....	5.9	6.2	5.4	5.3	5.8	5.3	5.5	5.7
Total gallons of diesel oil consumed .....	'000 —	1,554	2,173	27	63	—	533	4,350
Miles per gallon of diesel oil .....	—	5.8	6.2	7.0	4.9	—	4.7	5.9
Total gallons of other fuel consumed .....	'000 —	—	39	—	—	156	—	195
Miles per gallon of other fuel .....	—	—	4.0	—	—	4.1	—	4.0
<b>Weight of goods carried:</b>								
Total tons of goods carried .....	'000 954	27,042	16,392	544	1,515	608	6,194	53,249
Average weight carried <sup>1</sup> .....	ton 9.3	10.5	11.8	7.4	10.8	9.6	11.1	11.1
<b>Net ton miles:</b>								
Total net ton miles performed .....	'000 31,432	608,523	887,192	18,153	41,722	38,626	118,368	1,744,016
Average net ton miles per truck .....	160,400	115,600	206,800	112,100	85,000	111,000	87,000	144,000
<b>Capacity ton miles:</b>								
Total capacity ton miles <sup>2</sup> .....	'000 80,388	1,398,265	1,972,760	55,853	100,583	94,097	283,946	3,985,892
Average capacity ton miles per truck .....	410,100	265,700	459,900	344,800	204,900	270,400	208,600	329,100
Percentage of capacity utilized .....	39.1	43.5	45.0	32.5	41.5	41.0	41.7	43.8
<b>Gross ton miles:</b>								
Total gross ton miles <sup>3</sup> .....	'000 74,038	1,204,652	1,880,693	47,724	90,961	86,736	265,833	3,650,637
Average gross ton miles per truck .....	377,700	228,900	438,400	294,600	185,300	249,200	195,300	301,500



## SECTION IV. PRIVATE URBAN TRUCK TRAFFIC IN CANADA, BY PROVINCE, 1957

TABLE 1. All Gross Vehicle Weight Groups

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled .....	8,608	3,744	48,108	24,925	460,635	702,766
Average yearly mileage per truck .....	3,200	3,800	5,500	4,300	7,000	6,200
Average distance each ton was carried .....	7.8	5.8	7.3	6.6	9.5	9.6
Percentage of total mileage travelled empty .....	71.0	54.8	53.1	38.8	39.5	45.6
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	592	267	3,766	2,064	40,808	61,990
Miles per gallon of gasoline .....	14.5	14.0	12.8	12.1	11.2	11.3
Total gallons of diesel oil consumed .....	—	—	—	—	788	91
Miles per gallon of diesel oil .....	—	—	—	—	6.0	5.6
Total gallons of other fuel consumed .....	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	155	208	3,952	1,851	40,232	52,336
Average weight carried <sup>1</sup> .....	0.5	0.7	1.3	0.8	1.4	1.3
<b>Net ton miles:</b>						
Total net ton miles performed .....	1,203	1,215	28,888	12,261	383,640	503,240
Average net ton miles per truck .....	500	1,200	3,300	2,100	5,900	4,400
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	9,408	4,622	92,229	50,059	1,230,812	1,645,482
Average capacity ton miles per truck .....	3,500	4,700	10,600	8,500	18,800	14,500
Percentage of capacity utilized .....	12.8	26.3	31.3	24.5	31.2	30.6
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	17,130	7,231	137,810	73,783	1,607,373	2,231,286
Average gross ton miles per truck .....	6,400	7,400	15,800	12,600	24,500	19,600
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled .....	139,276	53,792	66,388	219,097	1,727,339	
Average yearly mileage per truck .....	6,700	5,300	6,600	5,400	6,200	
Average distance each ton was carried .....	9.9	7.0	5.7	6.5	8.6	
Percentage of total mileage travelled empty .....	53.2	50.9	34.7	53.1	45.5	
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	12,659	4,990	7,646	18,781	153,563	
Miles per gallon of gasoline .....	11.0	10.8	8.7	11.7	11.2	
Total gallons of diesel oil consumed .....	—	—	—	—	879	
Miles per gallon of diesel oil .....	—	—	—	—	5.9	
Total gallons of other fuel consumed .....	—	—	12	—	12	
Miles per gallon of other fuel .....	—	—	6.5	—	6.5	
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	12,853	6,776	19,384	17,183	154,930	
Average weight carried <sup>1</sup> .....	1.9	1.8	2.5	1.1	1.4	
<b>Net ton miles:</b>						
Total net ton miles performed .....	126,741	47,651	110,420	112,264	1,327,743	
Average net ton miles per truck .....	6,100	4,700	11,000	2,800	4,800	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	375,733	143,839	287,583	433,303	4,273,070	
Average capacity ton miles per truck .....	18,200	14,100	28,500	10,700	15,300	
Percentage of capacity utilized .....	33.7	33.1	38.4	25.9	31.1	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	494,184	185,637	323,332	605,192	5,682,958	
Average gross ton miles per truck .....	23,900	18,200	32,100	15,000	20,400	

See footnotes page 24.

## SECTION V. FARM TRUCK TRAFFIC IN CANADA, BY PROVINCE, 1957

TABLE 1. All Gross Vehicle Weight Groups

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	2,759	9,141	29,758	17,906	132,821	227,968
Average yearly mileage per truck .....	4,700	3,500	4,700	4,000	4,100	3,700
Average distance each ton was carried .....	9.4	19.4	11.7	12.3	16.4	13.8
Percentage of total mileage travelled empty .....	71.4	74.6	66.7	66.8	69.2	67.3
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	190	649	2,189	1,258	9,426	15,940
Miles per gallon of gasoline .....	14.5	14.1	13.6	14.2	14.1	14.3
Total gallons of diesel oil consumed ..... '000	—	—	—	—	—	—
Miles per gallon of diesel oil .....	—	—	—	—	—	—
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	53	235	896	467	2,424	4,776
Average weight carried <sup>1</sup> ..... ton	0.6	2.0	1.1	1.0	1.0	0.9
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	500	4,549	10,467	5,731	39,868	65,830
Average net ton miles per truck .....	800	1,800	1,700	1,300	1,200	1,100
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	3,258	14,374	45,949	30,543	172,190	286,435
Average capacity ton miles per truck .....	5,500	5,600	7,300	6,800	5,300	4,600
Percentage of capacity utilized .....	15.3	31.6	22.8	18.8	23.2	23.0
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	5,643	20,858	72,033	46,380	283,757	484,484
Average gross ton miles per truck .....	9,500	8,100	11,500	10,400	8,700	7,900
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	84,392	215,549	209,800	53,768	983,862	
Average yearly mileage per truck .....	2,700	2,800	3,300	4,100	3,400	
Average distance each ton was carried .....	13.0	12.2	15.1	13.0	13.6	
Percentage of total mileage travelled empty .....	67.4	65.1	60.3	69.3	65.7	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	6,595	17,774	16,449	3,854	74,324	
Miles per gallon of gasoline .....	12.8	12.1	12.8	14.0	13.2	
Total gallons of diesel oil consumed ..... '000	—	—	—	—	—	
Miles per gallon of diesel oil .....	—	—	—	—	—	
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	2,703	9,642	6,388	983	28,567	
Average weight carried <sup>1</sup> ..... ton	1.3	1.6	1.2	0.8	1.2	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	35,240	117,583	96,528	12,807	389,103	
Average net ton miles per truck .....	1,100	1,500	1,500	1,000	1,300	
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> ..... '000	154,982	524,842	385,971	65,007	1,683,551	
Average capacity ton miles per truck .....	5,000	6,800	6,100	5,000	5,800	
Percentage of capacity utilized .....	22.7	22.4	25.0	19.7	23.1	
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> ..... '000	227,516	704,859	544,652	111,211	2,501,393	
Average gross ton miles per truck .....	7,400	9,200	8,700	8,500	8,600	

<sup>1</sup> Ton miles divided by miles travelled with load.<sup>2</sup> Capacity ton miles are determined by multiplying the actual total 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 performed are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.



## SECTION VI. INTRAPROVINCIAL TRAFFIC BY FOR HIRE AND PRIVATE INTERCITY TRUCKS IN CANADA, 1957

TABLE 1. Selected Statistics by Gross Vehicle Weight Groups

	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	¢
10,000 lbs. and under .....	1,475	15,693	18,686	1.2	12.7	3,931	21.0
10,001-20,000 lbs. ....	10,412	64,702	230,033	3.6	22.1	30,840	13.4
20,001-30,000 lbs. ....	35,799	107,957	675,249	6.3	18.9	58,348	8.6
30,001-50,000 lbs. ....	18,602	107,274	1,070,772	10.0	57.6	80,539	7.5
50,001 lbs. and over .....	12,924	103,357	1,368,687	13.2	105.9	92,125	6.7
<b>Total .....</b>	<b>79,212</b>	<b>398,983</b>	<b>3,363,427</b>	<b>8.4</b>	<b>42.5</b>	<b>265,783</b>	<b>7.9</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 lbs. and under .....	9,475	376,266	220,632	0.6	23.3		
10,001-20,000 lbs. ....	28,495	157,155	514,816	3.3	18.1		
20,001-30,000 lbs. ....	40,563	124,768	699,616	5.5	17.2		
30,001-50,000 lbs. ....	38,492	93,206	919,235	9.9	23.9		
50,001 lbs. and over .....	9,940	43,004	567,978	13.2	57.1		
<b>Total .....</b>	<b>126,965</b>	<b>794,399</b>	<b>2,922,277</b>	<b>3.7</b>	<b>23.0</b>		

TABLE 2. Selected Statistics by Commodity Groups

	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	¢
Agricultural products .....	2,224	15,756	143,046	9.1	64.3	8,747	6.1
Animals and animal products .....	4,173	58,801	279,070	4.7	68.9	24,456	8.8
Mine products .....	42,750	48,197	453,411	9.4	10.6	32,107	7.1
Forest products .....	4,524	18,175	159,511	8.8	35.3	12,756	8.0
Manufactures and miscellaneous .....	18,761	169,979	1,687,274	9.9	89.6	121,869	7.2
N.O.S. general freight .....	6,760	88,075	641,115	7.3	94.8	65,848	10.3
<b>Total .....</b>	<b>79,212</b>	<b>398,983</b>	<b>3,363,427</b>	<b>8.4</b>	<b>42.5</b>	<b>265,783</b>	<b>7.9</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		
Agricultural products .....	4,806	41,482	195,618	4.7	40.7		
Animals and animal products .....	3,887	88,973	230,252	2.6	59.2		
Mine products .....	65,982	69,961	583,369	8.3	6.8		
Forest products .....	16,522	63,393	425,999	6.7	25.8		
Manufactures and miscellaneous .....	31,964	473,846	1,351,709	2.9	42.3		
N.O.S. general freight .....	3,804	56,744	135,330	2.4	35.6		
<b>Total .....</b>	<b>126,965</b>	<b>794,399</b>	<b>2,922,277</b>	<b>3.7</b>	<b>23.0</b>		

## SECTION VII, INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1957

TABLE 1. Origin and Destination

To:	For hire									
	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total
'000 tons										
From:										
Atlantic Provinces .....	—	30	2	—	—	—	—	—	12	44
Quebec .....	32	—	877	5	—	13	—	—	56	983
Ontario .....	3	888	—	63	5	37	9	—	134	1,139
Manitoba .....	—	2	50	—	70	17	1	—	8	148
Saskatchewan .....	—	—	1	47	—	13	—	—	2	63
Alberta .....	—	9	31	19	38	—	166	—	—	263
British Columbia .....	—	1	7	—	—	56	—	—	156	220
Yukon and Northwest Territories .....	—	—	—	—	—	—	—	—	—	—
United States .....	6	92	159	6	—	20	85	—	—	368
<b>Total .....</b>	<b>41</b>	<b>1,022</b>	<b>1,127</b>	<b>140</b>	<b>113</b>	<b>156</b>	<b>261</b>	<b>—</b>	<b>368</b>	<b>3,228</b>
Private intercity										
From:										
Atlantic Provinces .....	—	26	1	—	—	—	—	—	112	139
Quebec .....	18	—	513	—	—	—	—	—	200	731
Ontario .....	—	216	—	12	1	3	3	—	75	310
Manitoba .....	—	—	36	—	10	—	1	—	—	47
Saskatchewan .....	—	—	—	7	—	7	1	—	—	15
Alberta .....	—	—	2	2	10	—	11	—	5	30
British Columbia .....	—	—	1	—	2	12	—	11	22	48
Yukon and Northwest Territories .....	—	—	—	—	—	—	2	—	—	2
United States .....	8	70	174	2	4	1	6	—	—	265
<b>Total .....</b>	<b>26</b>	<b>312</b>	<b>727</b>	<b>23</b>	<b>27</b>	<b>23</b>	<b>24</b>	<b>11</b>	<b>414</b>	<b>1,587</b>

TABLE 2. Selected Statistics by Gross Vehicle Weight Groups

	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	¢
10,000 lbs. and under .....	2	159	82	0.5	41.0	81	98.8
10,001-20,000 lbs. ....	40	2,166	7,744	3.6	193.6	1,276	16.5
20,001-30,000 lbs. ....	159	7,907	70,946	9.0	446.2	4,125	5.8
30,001-50,000 lbs. ....	1,436	48,543	538,394	11.1	374.9	32,209	6.0
50,001 lbs. and over .....	1,591	49,346	694,576	14.1	436.6	34,267	4.9
<b>Total .....</b>	<b>3,228</b>	<b>108,121</b>	<b>1,311,742</b>	<b>12.1</b>	<b>406.4</b>	<b>71,958</b>	<b>5.5</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 lbs. and under .....	49	6,721	3,616	0.5	73.8		
10,001-20,000 lbs. ....	168	4,377	14,333	3.3	85.3		
20,001-30,000 lbs. ....	378	4,211	25,253	6.0	66.8		
30,001-50,000 lbs. ....	693	11,347	128,825	11.4	185.9		
50,001 lbs. and over .....	299	9,341	132,588	14.2	443.4		
<b>Total .....</b>	<b>1,587</b>	<b>35,997</b>	<b>304,615</b>	<b>8.5</b>	<b>191.9</b>		



TABLE 3. Selected Statistics by Commodity Groups

	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	£
Agricultural products .....	182	7,691	108,848	14.2	598.1	4,274	3.9
Animals and animal products .....	194	11,364	132,838	11.7	684.7	5,716	4.3
Mine products .....	28	565	8,271	14.6	295.4	341	4.1
Forest products .....	118	1,865	23,022	13.8	195.1	956	4.2
Manufactures and miscellaneous .....	1,901	60,614	705,426	11.6	371.1	39,269	5.6
N.O.S. general freight .....	805	26,222	333,337	12.7	414.1	21,402	6.4
<b>Total .....</b>	<b>3,228</b>	<b>108,121</b>	<b>1,311,742</b>	<b>12.1</b>	<b>406.4</b>	<b>71,958</b>	<b>5.5</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		
Agricultural products .....	198	5,569	54,399	9.8	274.7		
Animals and animal products .....	95	3,880	35,110	9.0	389.6		
Mine products .....	40	632	6,841	10.8	171.0		
Forest products .....	600	3,308	31,259	9.4	52.1		
Manufactures and miscellaneous .....	609	19,431	137,609	7.1	226.0		
N.O.S. general freight .....	45	3,177	39,397	12.4	875.5		
<b>Total .....</b>	<b>1,587</b>	<b>35,997</b>	<b>304,615</b>	<b>8.5</b>	<b>191.9</b>		

## APPENDIX I

## Average Truck Population in Canada by Province, Type of Operation and Gross Vehicle Weight Groups, 1957

Type of operation and gross vehicle weight	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
												Gross	Net
For hire:													
0 - 2½ tons .....					167	234	108	—	—	126	—	635	635
2½- 5 " .....					806	1,801	477	113	82	450	574	4,303	4,303
5 - 7½ " .....					674	2,193	660	65	35	228	378	4,233	4,229
7½-10 " .....	1	1	1	1	1,227	1,728	2,682	185	135	1,938	664	8,559	8,545
10 - 15 " .....					1,225	2,274	4,653	178	328	3,918	1,464	14,040	13,966
15 - 25 " .....					196	3,851	1,795	412	903	1,173	916	9,246	8,514
Over 25 " .....					67	—	3,428	305	135	666	727	5,328	4,970
<b>Total .....</b>	<b>703</b>	<b>217</b>	<b>2,375</b>	<b>1,067</b>	<b>4,362</b>	<b>12,081</b>	<b>13,803</b>	<b>1,258</b>	<b>1,618</b>	<b>8,499</b>	<b>4,723</b>	<b>46,344</b>	<b>45,162</b>
Private—Intercity:													
0 - 2½ tons .....					3,705	7,538	43,976	—	4,863	21,132	15,985	97,199	97,194
2½- 5 " .....					19,145	12,613	11,853	1,530	1,556	4,698	8,880	60,275	60,268
5 - 7½ " .....					1,735	3,710	3,040	210	375	714	1,333	11,117	11,112
7½-10 " .....	1	1	1	1	3,839	2,950	6,714	265	807	1,818	1,162	17,555	17,537
10 - 15 " .....					1,594	4,822	5,970	228	1,663	951	1,508	16,736	16,715
15 - 25 " .....					162	5,262	2,027	125	479	282	1,101	9,438	9,353
Over 25 " .....					34	—	2,263	37	12	66	260	2,672	2,602
<b>Total .....</b>	<b>3,409</b>	<b>1,568</b>	<b>14,366</b>	<b>10,871</b>	<b>30,214</b>	<b>36,895</b>	<b>75,843</b>	<b>2,395</b>	<b>9,755</b>	<b>29,661</b>	<b>30,229</b>	<b>214,992</b>	<b>214,781</b>
Urban:													
0 - 2½ tons .....					3,586	17,500	64,026	4,732	5,772	3,744	17,351	116,711	116,711
2½- 5 " .....					11,445	31,499	27,612	10,827	2,104	1,881	15,719	101,087	101,087
5 - 7½ " .....					1,586	6,412	6,666	1,617	495	480	2,725	19,981	19,981
7½-10 " .....	1	1	1	1	1,140	3,677	7,938	2,418	908	1,902	1,906	19,889	19,889
10 - 15 " .....					407	3,449	5,247	789	629	1,473	1,650	13,644	13,644
15 - 25 " .....					30	3,027	2,373	293	294	600	962	7,579	7,579
Over 25 " .....					—	—	—	—	—	—	—	—	—
<b>Total .....</b>	<b>2,658</b>	<b>978</b>	<b>8,698</b>	<b>5,860</b>	<b>18,194</b>	<b>65,564</b>	<b>113,862</b>	<b>20,676</b>	<b>10,202</b>	<b>10,080</b>	<b>40,313</b>	<b>278,891</b>	<b>278,891</b>
Farm:													
0 - 2½ tons .....					2,456	16,038	46,674	3,063	13,155	30,654	7,195	119,235	119,235
2½- 5 " .....					10,076	14,355	12,285	20,917	36,630	16,965	4,664	115,892	115,892
5 - 7½ " .....					717	1,776	1,086	4,117	10,325	3,066	715	21,802	21,802
7½-10 " .....	1	1	1	1	551	294	1,176	2,415	11,615	10,986	360	27,397	27,397
10 - 15 " .....					128	69	456	261	5,198	1,245	76	7,433	7,433
15 - 25 " .....					—	3	—	17	25	15	9	69	69
Over 25 " .....					—	—	—	—	—	—	—	—	—
<b>Total .....</b>	<b>593</b>	<b>2,580</b>	<b>6,279</b>	<b>4,476</b>	<b>13,928</b>	<b>32,535</b>	<b>61,677</b>	<b>30,790</b>	<b>76,948</b>	<b>62,931</b>	<b>13,019</b>	<b>291,828</b>	<b>291,828</b>
All trucks:													
0 - 2½ tons .....					9,914	41,310	154,784	7,795	23,790	55,656	40,531	333,780	333,775
2½- 5 " .....					41,472	60,268	52,227	33,387	40,372	23,994	29,837	281,557	281,550
5 - 7½ " .....					4,712	14,091	11,452	6,009	11,230	4,488	5,151	57,133	57,124
7½-10 " .....	1	1	1	1	6,757	8,649	18,510	5,283	13,465	16,644	4,092	73,400	73,368
10 - 15 " .....					3,354	10,614	16,326	1,456	7,818	7,587	4,698	51,853	51,758
15 - 25 " .....					388	12,143	6,195	847	1,701	2,070	2,988	26,332	25,515
Over 25 " .....					101	—	5,691	342	147	732	987	8,000	7,572
<b>Total .....</b>	<b>7,363</b>	<b>5,343</b>	<b>31,718</b>	<b>22,274</b>	<b>66,698</b>	<b>147,075</b>	<b>265,185</b>	<b>55,119</b>	<b>98,523</b>	<b>111,171</b>	<b>88,284</b>	<b>832,055</b>	<b>830,662</b>

¹ Population estimates by gross vehicle weight groups are not considered sufficiently reliable.



## APPENDIX II

## Sampling Results, by Type of Operation and Province, 1957.

Type of operation	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total
Total number of trucks selected in samples											
For hire .....	296	98	787	394	2,090	3,854	414	530	2,400	1,138	12,001
Private:											
Intercity .....	722	316	2,765	2,445	4,842	8,483	445	1,482	2,440	3,100	27,040
Urban .....	421	154	1,604	1,211	7,395	11,274	3,701	1,270	1,361	4,077	32,468
Farm .....	108	404	1,025	799	2,733	4,406	3,898	8,922	5,969	1,073	29,337
<b>Total</b> .....	<b>1,547</b>	<b>972</b>	<b>6,181</b>	<b>4,849</b>	<b>17,060</b>	<b>28,017</b>	<b>8,458</b>	<b>12,204</b>	<b>12,170</b>	<b>9,388</b>	<b>100,846</b>
Number of questionnaires returned completed											
For hire .....	100	37	363	134	1,176	2,054	245	300	889	652	5,950
Private:											
Intercity .....	265	104	1,308	929	2,292	4,345	289	606	1,103	1,335	12,576
Urban .....	143	53	775	460	3,537	5,634	1,382	563	627	1,755	14,929
Farm .....	36	133	497	325	1,383	2,228	1,293	3,342	2,568	490	12,295
<b>Total</b> .....	<b>544</b>	<b>327</b>	<b>2,943</b>	<b>1,848</b>	<b>8,388</b>	<b>14,261</b>	<b>3,209</b>	<b>4,811</b>	<b>5,187</b>	<b>4,232</b>	<b>45,750</b>
Number of sampled trucks reported not in use during survey week											
For hire .....	101	36	228	150	388	971	93	120	709	261	3,057
Private:											
Intercity .....	219	91	735	815	1,178	2,195	107	470	705	857	7,372
Urban .....	133	51	405	404	1,677	3,014	998	381	377	1,117	8,557
Farm .....	36	107	259	241	677	1,054	1,651	4,077	2,373	275	10,750
<b>Total</b> .....	<b>489</b>	<b>285</b>	<b>1,627</b>	<b>1,610</b>	<b>3,920</b>	<b>7,234</b>	<b>2,849</b>	<b>5,048</b>	<b>4,164</b>	<b>2,510</b>	<b>29,736</b>
Number of questionnaires returned incomplete and unusable											
For hire .....	38	12	118	49	243	439	33	78	383	148	1,541
Private:											
Intercity .....	102	54	472	376	889	1,109	39	268	439	594	4,342
Urban .....	72	23	277	194	1,417	1,558	1,048	218	228	790	5,825
Farm .....	16	68	180	134	476	678	611	607	528	202	3,500
<b>Total</b> .....	<b>228</b>	<b>157</b>	<b>1,047</b>	<b>753</b>	<b>3,025</b>	<b>3,784</b>	<b>1,731</b>	<b>1,171</b>	<b>1,578</b>	<b>1,734</b>	<b>15,208</b>
Number of questionnaires not returned (non-respondents)											
For hire .....	57	13	78	61	283	390	43	32	419	77	1,453
Private:											
Intercity .....	136	67	250	325	483	834	10	138	193	314	2,750
Urban .....	73	27	147	153	764	1,068	273	108	129	415	3,157
Farm .....	20	96	89	99	197	446	343	896	500	106	2,792
<b>Total</b> .....	<b>286</b>	<b>203</b>	<b>564</b>	<b>638</b>	<b>1,727</b>	<b>2,738</b>	<b>669</b>	<b>1,174</b>	<b>1,241</b>	<b>912</b>	<b>10,152</b>

## APPENDIX III

## Commodity Classification

## Agricultural products:

Flour  
Fruit  
Grain  
Grain products  
Sugar beets  
Vegetables  
Other agricultural products

## Animals and animal products:

Animals and live poultry, N.O.S.<sup>1</sup>  
Butter, cheese and eggs  
Cattle, calves and hogs  
Dressed meats and packing house products  
Fish  
Hides and skins  
Milk, cream  
Wool  
Other animal products

## Mine products:

Coal and coke  
Crude petroleum  
Ore and concentrates  
Sand, gravel, crushed rock and fill  
Other mine products

## Forest products:

Cordwood, fuelwood  
Logs, poles, posts and ties

## Forest products — Concluded:

Lumber, timber, lath, etc.  
Pulpwood  
Other forest products

## Manufactured products:

Agricultural implements, farm tractors and parts  
Animal, fish or vegetable oil  
Automobiles and parts  
Building products, brick, cement, etc.  
Empty containers, wood or metal  
Fertilizers, chemicals and acids  
Food products, groceries, canned goods  
Furniture, furnishings and personal effects  
Gasoline  
Hardware  
Iron and steel products  
Machines, machinery and parts  
Metal products, N.O.S.  
Newspapers and other printed material  
Newsprint  
Paper products, N.O.S.  
Petroleum products, N.O.S.  
Rubber and rubber products  
Scrap and waste metal  
Soft drinks, beer and other beverages  
Textiles  
Tools and equipment  
Wood products, plywood, veneer, etc.  
Other manufactures

<sup>1</sup> N.O.S. — not otherwise specified.

## General freight and miscellaneous

## APPENDIX IV

## Description of Vehicle Classifications

The following summary shows how the existing licencing systems in each province were used to group vehicles into the four functional truck classes. Where no separate licence categories existed, vehicles were classified according to the type of operation as indicated below:

## For-hire trucks

## Atlantic Provinces:

No separate licence — trucks operated for compensation on intercity routes and/or in urban areas, except those used in carrying mail, earth, sand or gravel; or used on government construction work; for the transportation of unprocessed products of the land, sea or forest; or by a farmer, fisherman or lumberman.

## Quebec:

"L" licensed vehicles — operated for compensation in intercity or urban service.

## Ontario:

Public Commercial Vehicles (P.C.V.) — operated

for compensation outside urban areas (rural and intercity routes).

## Manitoba:

Public Service Vehicles (P.S.V.) — operated for compensation beyond 15 miles radius of place of registration.

## Saskatchewan:

"A" and "E" licensed vehicles — operated for compensation in transporting general merchandise over a route or by charter or for specified commodities provincially.

## Alberta:

"E" and "P.S.V." licensed vehicles — operated for compensation in transporting general merchandise or specified commodities on intercity routes.

## British Columbia:

"E", "G", "H" and "J" carrier licensed vehicles — operated for compensation in intercity service or in urban areas.

**Private intercity trucks****Atlantic Provinces:**

No separate licence—trucks operated on intercity routes by a farmer, fisherman or lumberman; or those used in transporting mail, sand or gravel, unprocessed products of the land, sea or forest; or used on government construction work; or privately owned trucks transporting owners' goods outside urban areas.

**Quebec:**

No separate licence—trucks with "F" licences operated outside urban areas.

**Ontario:**

No separate licence—private non-farm trucks operated outside urban areas.

**Manitoba:**

"C.T." licensed vehicles—private non-farm trucks which may operate beyond 15 miles radius of place of registration.

**Saskatchewan:**

No separate licence—trucks with "C" or "D" licences operated outside urban areas.

**Alberta:**

"CV" and "X" licensed vehicles—trucks not restricted to urban areas.

**British Columbia:**

No separate licence—private non-farm trucks operated beyond urban areas.

**Private urban trucks****Atlantic Provinces:**

No separate licence—trucks operated in urban areas for transporting mail, earth, sand or gravel, unprocessed products of sea; or used on government construction work; and privately owned trucks transporting owners' goods in urban areas.

**Quebec:**

No separate licence—trucks with "F" licences operated in urban areas.

**Ontario:**

No separate licence—private trucks operated in urban areas.

**Manitoba:**

"T" licensed vehicles—trucks operated within 15 miles radius of the place of registration.

**Saskatchewan:**

No separate licence—trucks with "C" or "D" licences operated within urban areas.

**Alberta:**

"C" licensed vehicles—operated within 5 miles radius of place of registration.

**British Columbia:**

No separate licence—trucks which do not have a carrier licence and are operated within urban areas.

**Farm trucks****Atlantic Provinces:**

No separate licence—trucks owned and operated by a farmer.

**Quebec:**

"N" licensed vehicles—owned and operated by a farmer.

**Ontario:**

No separate licence—trucks owned and operated by a farmer.

**Manitoba:**

"FT" licensed vehicles—trucks owned and operated by a farmer.

**Saskatchewan:**

"F" licensed vehicles—trucks owned and operated by a farmer.

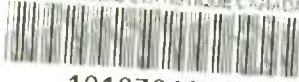
**Alberta:**

"F" licensed vehicles—trucks owned and operated by a farmer.

**British Columbia:**

No separate licence—trucks owned and operated by a farmer.





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