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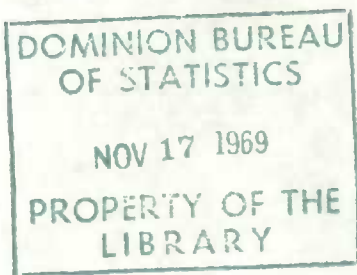
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MOTOR TRANSPORT TRAFFIC CANADA

1964

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ROAD TRANSPORT

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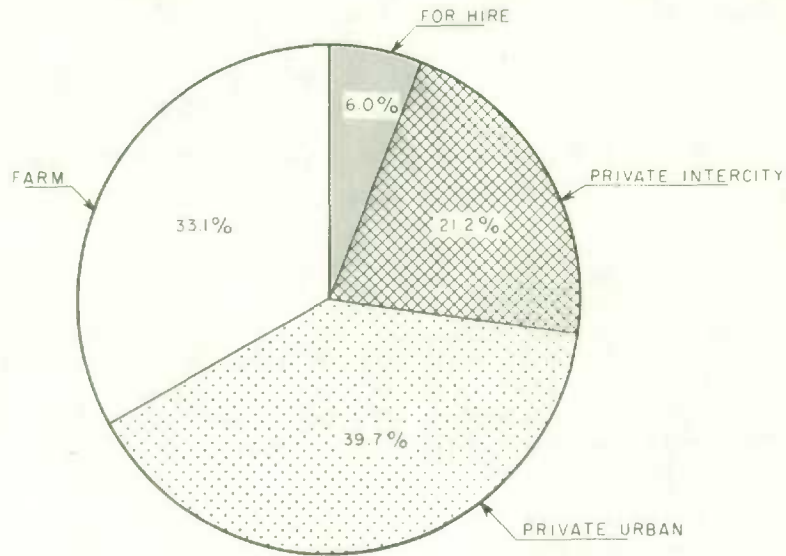
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MOTOR TRANSPORT TRAFFIC
CANADA
1964

TRUCK REGISTRATIONS BY TYPE OF OPERATION

CHART -1



NET TON MILES BY TYPE OF OPERATION

CHART -2

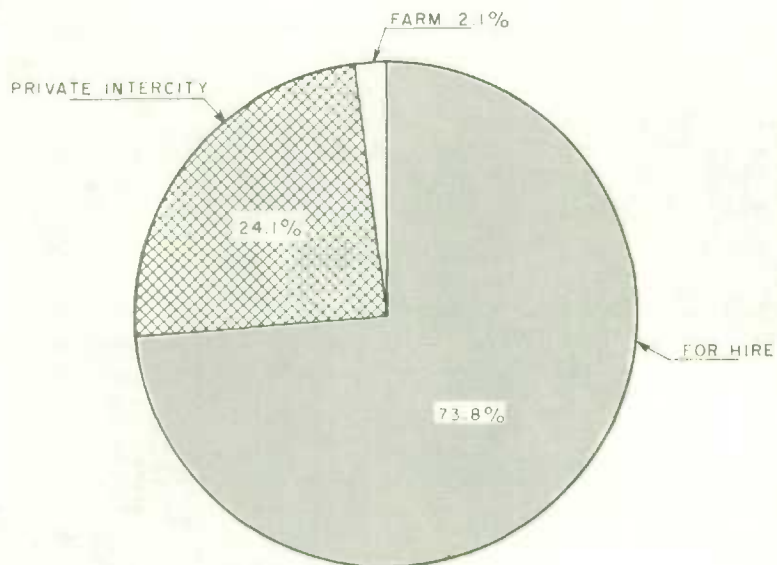
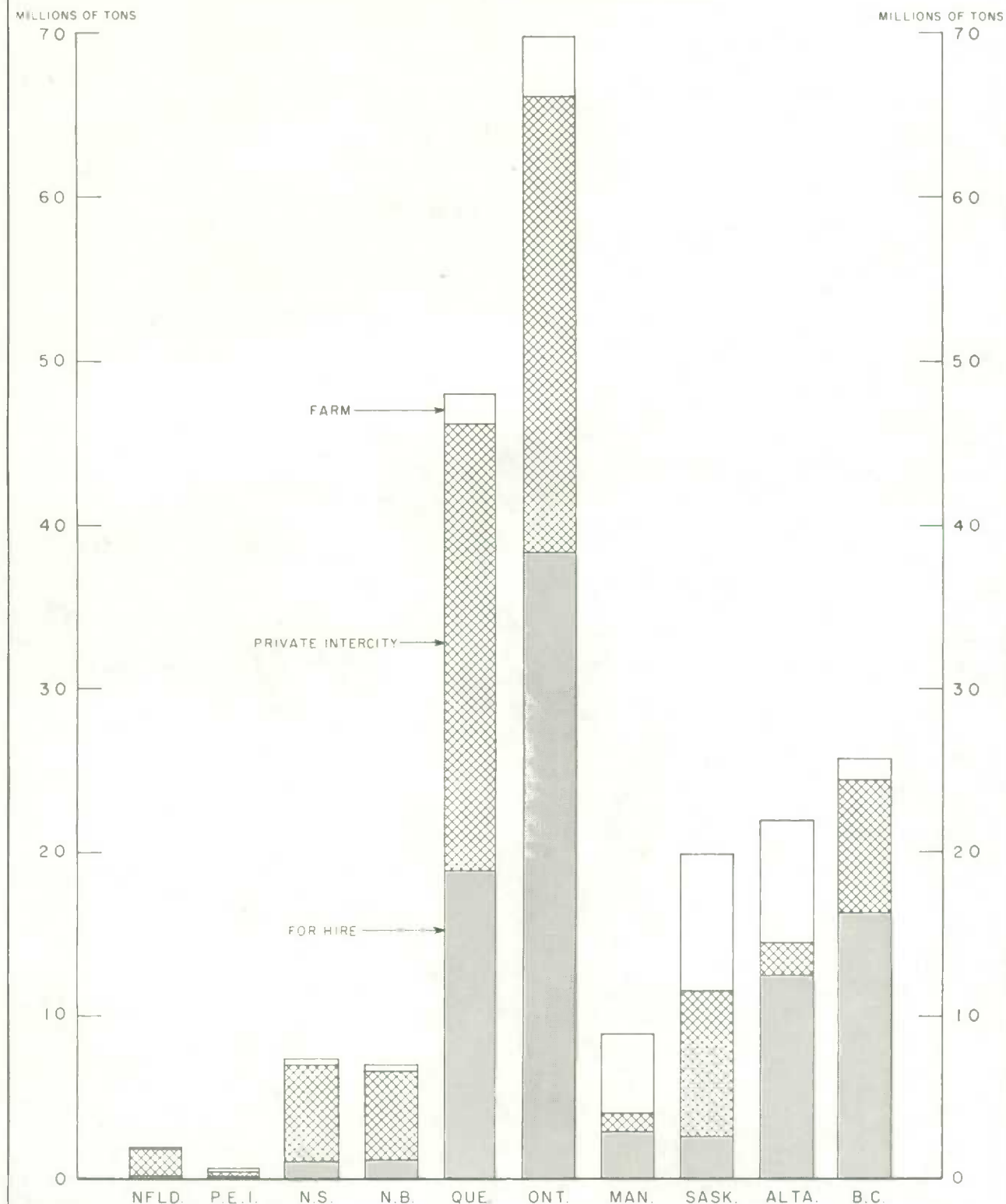


CHART-3

TONS CARRIED BY TYPE OF OPERATION 1964



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MOTOR TRANSPORT TRAFFIC CANADA

1964

INTRODUCTION

This report presents the results of sample surveys conducted in each of the ten provinces during one week in each month of 1964. Truck transport statistics published in provincial and regional reports for 1964 have been summarized herein.

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 their affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

National estimates of truck traffic statistics have been published since 1957.

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics. A breakdown of the commodity groupings used in this report is presented in Appendix V. Traffic data by individual commodities while not available in the annual report are presented in the quarterly reports "Motor Transport Traffic; by Commodities", Catalogue No. 53-004.

Included in this report are additional appendices which provide further information on the truck population. The data contained in Appendix II, Truck Population by Type of Motive Power, Class of Operation and Province and Appendix III, Truck and Tractor-Trailer Population by Model and Province have been released for previous years in the Daily Bulletin. However, the analysis shown in Appendix IV, Truck Population by Year of Manufacture and Province was presented in this report for the first time in 1962.

Sample Selection

The 1964 national estimates of motor transport traffic in Canada are based upon a sample of approximately 7 per cent of trucks registered in the various provinces. To allow for seasonal variations, the sample is selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample is spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated from the survey: tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government-owned vehicles. Trailers as such are excluded from the sample, but details of tractor-trailer combinations are obtained by including the power units or tractors in the survey.

The sample selection ratios for each province were changed 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	30,001-50,000	Over 50,000
Newfoundland	1/40	1/20	1/10	1/6	1/4	1/4	1/4
Prince Edward Island	1/40	1/20	1/8	1/4	1/4	1/4	1/4
Nova Scotia	1/120	1/80	1/40	1/20	1/8	1/4	1/4
New Brunswick	1/60	1/60	1/32	1/16	2/12	1/4	1/4
Ontario	1/200	1/125	1/100	1/50	1/25	1/10	1/10
Manitoba:							
PSV	1/50	1/50	1/50	1/30	1/25	1/7	1/5
CT	1/100	1/100	1/50	1/30	1/30	1/25	1/6
T and DC	1/150	1/150	1/125	1/40	1/25	1/15	1/15
FT	1/150	1/150	1/60	1/200	1/30	1/20	1/20
Saskatchewan:							
A and E	1/100	1/50	1/50	1/25	1/20	1/7	1/5
C and D	1/150	1/100	1/75	1/50	1/25	1/20	1/10
Farm trucks	1/200	1/200	1/150	1/150	1/30	1/5	1/5
Alberta:							
P and E	1/100	1/50	1/40	1/30	1/20	1/7	1/5
C, X and U	1/150	1/150	1/125	1/40	1/25	1/20	1/10
Farm	1/200	1/200	1/100	1/50	1/20	1/10	1/10
British Columbia	1/200	1/125	1/50	1/40	1/20	1/10	2/15
	0-3,300	3,301-5,800	5,801-7,300	7,301-8,550	8,551-11,050	11,051-17,000	Over 17,000
Quebec:							
Private intercity and urban	1/150	1/100	1/100	1/40	1/20	2/15	2/15
For hire	1/100	1/75	1/50	1/25	1/15	1/5	1/5
Farm	1/200	1/125	1/100	1/50	1/20	1/20	1/20

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain; private intercity vehicles are those owned by firms and individuals and operated on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

It must be noted that beginning in 1964 the only data recorded for vehicles performing urban

or local operations, regardless of category, are miles travelled and gallons of fuel used and the estimated population. For this reason the 1964 figures shown under various traffic headings are not entirely comparable to the statistics published for 1963. (See Review of Survey Results.)

The existing provincial licensing system is used where possible to classify vehicles into these four functional categories. (See Appendix I for 1964 population estimates and Appendix VI for the description of vehicle classifications in each province.)

Expansion of Survey Results

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

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratios provides an estimated quarterly population for each province. Prior to 1959 the data for each quarterly provincial sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selections are stratified by weight group. Therefore it is only necessary to multiply the sample in each weight group in each province by the inverse of the appropriate selection ratios to arrive at quarterly provincial populations broken down by weight group.

The four quarterly populations by gross vehicle weight are added together and an average provincial weight group distribution for the year is computed. These weight group distributions are applied to the constant population. The provincial populations then have to be distributed by function. In provinces where it is not possible to use the existing licence categories this is done by using the distribution obtained from the previous year's questionnaires. This latter procedure was introduced in 1959. Prior to that year the distribution by function, when not available from the licence, was determined from completed questionnaires for each quarter, separately.

3. Now that the constant provincial populations have been calculated and broken down by function and gross vehicle weight group it is necessary to allocate vehicles included in current surveys in the same manner.
4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated in each province by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant provincial population.
5. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period. Data obtained from completed questionnaires are then multiplied by the expansion ratios.
6. The expanded provincial data for the four quarters are added together to arrive at annual provincial totals.
7. Annual provincial totals are added together to obtain national estimates.

Compilation of National Estimates

(a) Duplication of Data

In Section I, all figures are the sum of traffic performed "inside and outside the province" of registration as published in individual provincial reports. Because some vehicles are registered in more than one province this concept involves some duplication of figures. Movements of Canadian registered trucks in the United States are included whether they are in transit between Canadian points or engaged in international trade. This concept also covers trucks operating outside the province of registration, either under special permit or according to the terms of reciprocal agreements.

It should be noted that 1962 saw the signing of a large number of reciprocal licensing agreements. Most of these agreements were based on full free reciprocity for certain vehicles including most of those of less than 6,000 lb. gross weight, while trucks over this weight paid the full fee in

their home province and \$10.00 per ton in the province extending reciprocity. Agreements along these lines were signed by Ontario with New Brunswick, Manitoba, Saskatchewan and Alberta. Saskatchewan and Alberta also agreed to reciprocate on a similar basis. In 1963 Saskatchewan signed a similar agreement with Manitoba. Trucks registering at \$10.00 per ton reciprocal fee are being excluded from the truck populations of all but their home provinces. This will eliminate a considerable amount of duplication in the national estimates. A summary of reciprocal highway agreements for trucking, current at December 31, 1964, appears in the Dominion Bureau of Statistics publication: "The Motor Vehicle 1964. Part I, Rates and Regulations", Catalogue No. 53-217.

In Section II, duplication is avoided by taking only 50 per cent of the interprovincial operations reported by each operator. With the extension of reciprocal licensing agreements and the consequent decrease in duplication this procedure no longer becomes entirely adequate. If and when reciprocal licensing agreements extend to all provinces no adjustment to the reported data will be necessary. Because reciprocal agreements still do not cover all provinces it has been decided to follow the previous practice with regard to interprovincial operations and halve the data reported.

Although it was necessary to reduce aggregate 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.

(b) Weight Classifications

There continues to be some lack of provincial comparability in vehicle weight classifications as the province of Quebec licenses trucks by tare weight, while the other provinces use gross vehicle weight. Where vehicles are licensed by tare weight, the gross vehicle weight is estimated from the recorded tare weight and either the estimated capacity or the heaviest load carried during the survey week.

(c) Classification by Type of Operation.

In the compilation of statistics for each province, as previously explained, the existing provincial licensing system is used where possible to classify vehicles into the four functional categories: for hire, private intercity, private urban and farm. Unfortunately this method does not provide exactly comparable vehicle classes between provinces thus creating a problem in the provision of national totals. An examination of Appendix VI, which describes the vehicle classifications used in this report, will reveal these variations.

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 together with the methods used to calculate them. A reproduction of the questionnaire used in 1964 appears in Appendix VII.

Average yearly mileage per truck—total annual mileage performed divided by the estimated annual truck population.

Net ton miles—weight of each load carried multiplied by the distance it was transported. For vehicles engaged in intercity or rural operations, net ton miles were calculated on a trip basis from the log kept during the survey week.

Average distance each ton was carried—total net ton miles 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. 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)—total miles travelled during year divided by total gallons of gasoline consumed.

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

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

Capacity ton miles—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 the estimated annual truck population.

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

Gross ton miles—weight of 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 vehicles in Quebec which were registered by tare weight.

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

Further information on the history and organization of motor transport traffic surveys may be found in the previous reports: "Motor Transport Traffic, National Estimates" for 1957 to 1963.

Review of Survey Results

Beginning with the year 1964, a number of important changes have been made in the methodology of conducting the Motor Transport Traffic Survey and the extent of coverage of the various kinds of operations performed by Canadian-registered trucks.

These changes have an important effect on any attempt to compare the data item by item with previous years estimates and should be thoroughly understood before any such comparisons are attempted.

The changes introduced in 1964 were as follows:

1. The size of the sample was reduced considerably. The reduction varied according to the population of commercial vehicles in each province, the provincial truck population by size groups, and by type of operation.
2. The questionnaire was simplified by eliminating questions (except miles travelled and fuel consumed) pertaining to the operations of all vehicles in urban areas or urban metropolitan boundaries regardless of the type of operating licence held by the vehicle itself.

There were a number of important reasons for introducing these changes:

1. To ease the burden on the companies and individuals selected in the samples. Respondents have experienced considerable difficulty in determining the amount and kind of commodities carried within urban areas and allocating truck revenues to the distribution of these commodities. The form was therefore simplified to make it easier to complete, to improve response and accuracy of the data reported.
2. Over the years evidence of interest in the operations of trucks within urban areas has not been sufficient to justify the time, cost and effort to collect and produce statistics to cover them.
3. To reduce the cost of conducting the survey.
4. Because of the difficulty of obtaining this kind of information the accuracy of the data being reported was unsatisfactory.
5. To free time and staff to concentrate on improving the estimates for other kinds of trucking operations, specifically the intercity private and for hire operations.
6. As the national estimates have been produced for seven years on a total Canadian truck population basis, it was considered that this is sufficient to obtain the trend of the impact of the trucking industry on the national economy and its relation to other modes of transport. The time was therefore considered appropriate to concentrate on that portion of the trucking industry which was in competition with the other modes of transport and therefore of most interest to users of transportation statistics.

Effects of the Changes on the Estimates

1. The total truck population, miles travelled and fuel consumed, are the only statistical items which can be compared with previous years' estimates. The estimates for tons of goods carried, ton miles and other related aggregates and ratios are not comparable with previous years as the amount of goods transported and distributed within urban areas was not collected. The estimates for this type of information are therefore considerably lower than in previous years but it is a clearer picture of the volume of goods being transported by for hire and private trucks on intercity or inter-urban routes.
2. The relatively large decrease in total volume of goods transported by truck in 1964 as compared with 1963 reflects the importance of the operations of trucks confined to urban areas and the significance of short haul truck transport. Much of this is due to the elimination of the transport of construction materials such as sand and gravel, most of which is transported between suburban and urban areas.

The estimated population of trucks and tractor-trailers performing transportation services in Canada during 1964 increased 3.2 per cent to 1,033,000 from 1,001,000 in the previous year. Of these, 61,760, or 6.0 per cent were for-hire vehicles; 219,357, or 21.2 per cent, were private intercity vehicles; 410,365, or 39.7 per cent, were private vehicles operating wholly within urban areas; and 341,518, or 33.1 per cent, were farm trucks. Almost 29 per cent of the total number of trucks were registered in Ontario, while 48.6 per cent were registered in the two provinces of Quebec and Ontario.

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

Section 1. Total Truck Traffic by Canadian Registered Trucks

Total miles travelled by trucks and tractor-trailers increased 2.9 per cent, to 7,296 million in 1964 from 7,093 million in the previous year; at the same time the average mileage per truck did not change from the 7,100 miles in 1963. The average distance each ton of goods was carried rose to 81.1 miles from 32.8 while the proportion of empty miles increased to 55.7 per cent from 50.5.

Gasoline consumption was 747,987,000 gallons in 1964, an increase of 10.3 per cent over the 678,394,000 gallons recorded in 1963. Diesel fuel consumption was up 17.9 per cent, to 129,156,000 gallons from 109,531,000 gallons in the previous year.

During 1964, the estimated total weight of goods carried by for hire, private intercity and farm trucks amounted to 21,593,000 tons while the average weight carried was 8.1 tons. Net ton miles performed during the year were estimated at 17,158,273,000, while the average net ton miles per truck was 27,600.

Charts 1 and 2 indicate that for-hire trucks and tractor-trailers, which represented only 6.0 per cent of total registrations, performed 73.8 per cent of truck transport net ton miles. For hire vehicles carried an average load of 12.9 tons compared with an average of 8.1 tons for trucks of all types, and transported each ton an average distance of 134.8 miles as against 81.1 miles for all three categories of trucks.

Some private trucks under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for 11.3 per cent of the total mileage travelled by all trucks.

Section II. Interprovincial and International Traffic by Canadian Registered Trucks

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries. Interchange traffic, such as 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, is excluded from this section.

For hire trucks engaged in interprovincial and international traffic carried 6,706,000 tons of goods, of which 32.6 per cent were transported between the provinces of Quebec and Ontario. Private intercity trucks transported 2,280,000 tons of goods between provinces, of which 30.2 per cent was moved between Quebec and Ontario.

September 13, 1966.

SECTION 1. TOTAL TRUCK TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1964

TABLE 1. Total Operations (Intercity, Rural and Urban) of All Trucks

	For hire	Private			Total
		Intercity	Urban	Farm	
Mileage:					
✓ Total mileage travelled '000	1,591,286	2,280,955	2,502,791	920,489	7,295,521
✓ Average yearly mileage per truck '000	25,800	10,400	6,100	2,700	7,100
Revenue per mile (total mileage travelled) ¢	42.8	—	—	—	—
Fuel:					
Total gallons of gasoline consumed '000	179,177	221,650	260,153	87,007	747,987
Miles per gallon of gasoline '000	5.6	9.7	9.5	10.6	8.8
Total gallons of diesel oil consumed '000	102,061	20,044	6,991	60	129,156
Miles per gallon of diesel oil '000	5.7	5.6	4.6	6.1	5.7
Total gallons of other fuel consumed '000	317	1,494	347	77	2,235
Miles per gallon of other fuel '000	5.4	6.3	8.1	13.5	6.7
Estimated annual population	61,760	219,357	410,365	341,518	1,033,000

TABLE 1 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks

		For hire	Private		Total
			Intercity	Farm	
Mileage:					
Total mileage travelled	'000	1,591,286	2,280,955	920,489	4,792,730
Percentage of total mileage travelled empty		38.5	61.8	70.0	55.7
Weight of goods carried:					
Total tons of goods carried	'000	94,010	89,050	28,533	211,593
Average weight carried	ton	12.9	4.7	1.3	8.1
Average distance each ton was carried		134.8	46.4	12.5	81.1
Net ton miles:					
Total net ton miles performed	'000	12,669,709	4,133,099	355,465	17,158,273
Average net ton miles per truck		205,100	18,800	1,000	27,600
Capacity ton miles:					
Total capacity ton miles	'000	21,705,971	10,440,218	1,619,590	33,765,779
Average capacity ton miles per truck		351,500	47,600	4,700	54,200
Percentage of capacity utilized		58.4	39.6	21.9	50.8
Gross ton miles:					
Total gross ton miles	'000	27,329,012	12,183,505	2,345,570	41,858,087
Average gross ton miles per truck		442,500	55,500	6,900	67,200
Revenue:					
Total revenue	\$'000	681,639	—	—	—
Revenue per ton mile	¢	5.4	—	—	—
Average revenue per truck	\$	11,000	—	—	—
Estimated annual population		61,760	219,357	341,518	622,635

TABLE 2. Total Operations (Intercity, Rural and Urban) of All Trucks, by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	15-25 tons 30,001-50,000 lb.	Over 25 tons 50,001 lb. and over	Total
Mileage:								
Total mileage travelled '000	2,003,006	2,069,121	330,651	457,280	772,291	578,035	1,085,137	7,295,521
Average yearly mileage per truck	5,200	5,500	5,200	5,700	10,000	17,400	46,400	7,100
Fuel:								
Total gallons of gasoline consumed '000	153,420	182,029	39,319	62,092	117,571	105,338	88,218	747,987
Miles per gallon of gasoline	13.0	11.3	8.4	7.3	6.5	4.9	4.8	8.8
Total gallons of diesel oil consumed '000	683	188	267	144	519	10,786	116,569	129,156
Miles per gallon of diesel oil	5.3	9.3	5.9	9.5	7.3	5.1	5.7	5.7
Total gallons of other fuel consumed '000	64	516	22	97	905	315	316	2,235
Miles per gallon of other fuel	—	8.3	11.7	4.2	4.8	5.9	3.2	6.7
Estimated annual population	382,817	373,665	63,131	79,726	77,139	33,127	23,395	1,033,000

TABLE 2 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks, by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	15-25 tons 30,001-50,000 lb.	Over 25 tons 50,001 lb. and over	Total
Mileage:								
Total mileage travelled '000	1,109,078	1,119,274	181,474	293,686	595,295	408,786	1,085,137	4,792,730
Percentage of total mileage travelled empty	76.6	71.1	57.6	50.9	49.5	47.6	25.6	55.7
Weight of goods carried:								
Total tons of goods carried '000	5,128	10,262	6,152	16,023	48,423	44,746	80,859	211,593
Average weight carried ton	0.4	0.6	1.7	3.0	5.0	8.8	16.0	8.1
Average distance each ton was carried	18.3	19.1	21.5	27.4	31.0	41.9	159.8	81.1
Net ton miles:								
Total net ton miles performed '000	93,923	196,298	132,556	439,252	1,501,437	1,874,559	12,920,248	17,158,273
Average net ton miles per truck	400	900	3,300	8,100	27,600	6,500	552,300	27,600
Capacity ton miles:								
Total capacity ton miles '000	858,649	1,368,353	483,922	1,292,468	3,977,825	4,445,344	21,339,218	33,765,779
Average capacity ton miles per truck ..	4,000	6,300	12,100	23,900	73,000	252,500	912,100	54,200
Percentage of capacity utilized	10.9	14.3	27.4	34.0	37.7	42.2	60.5	50.8
Gross ton miles:								
Total gross ton miles '000	1,739,970	2,295,009	602,028	1,405,683	3,897,142	4,629,949	27,288,306	41,858,087
Average gross ton miles per truck	8,100	10,500	15,000	26,000	71,500	263,000	1,166,400	67,200
Estimated annual population	215,056	217,945	40,079	54,061	54,497	17,602	23,395	622,635

TABLE 3. Total Operations (Intercity, Rural and Urban) of All Trucks, by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
Mileage:						
Total mileage travelled '000	98,239	29,608	243,444	166,371	1,816,655	2,365,869
Average yearly mileage per truck	6,500	4,400	6,200	6,800	8,800	8,000
Fuel:						
Total gallons of gasoline consumed '000	10,162	3,356	25,114	18,002	178,247	272,408
Miles per gallon of gasoline	9.6	8.6	9.4	8.8	9.3	8.1
Total gallons of diesel oil consumed '000	79	103	1,038	1,437	28,108	27,832
Miles per gallon of diesel oil	6.0	6.3	6.2	5.4	5.5	6.0
Total gallons of other fuel consumed '000	—	—	8	51	115	281
Miles per gallon of other fuel	—	—	—	—	—	—
Estimated annual population	15,000	6,700	39,200	24,300	207,500	294,500
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
Mileage:						
Total mileage travelled '000	423,626	434,035	929,389	788,285	7,295,521	
Average yearly mileage per truck	5,400	3,700	6,500	7,300	7,100	
Fuel:						
Total gallons of gasoline consumed '000	42,968	42,459	86,169	69,102	747,987	
Miles per gallon of gasoline	8.5	9.2	8.7	9.5	8.8	
Total gallons of diesel oil consumed '000	9,652	6,780	29,581	24,546	129,156	
Miles per gallon of diesel oil	6.0	5.8	5.9	5.1	5.7	
Total gallons of other fuel consumed '000	328	382	545	525	2,235	
Miles per gallon of other fuel	—	—	—	—	6.7	
Estimated annual population	77,900		143,600	108,300	1,033,000	

TABLE 3 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks, by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
Mileage:						
Total mileage travelled '000	55,904	23,005	169,140	109,332	987,121	1,562,003
Percentage of total mileage travelled empty	66.8	70.9	59.2	51.5	54.8	53.6
Weight of goods carried:						
Total tons of goods carried '000	1,934	533	7,467	7,081	48,083	69,842
Average weight carried ton	3.4	3.4	4.8	5.9	7.9	7.4
Average distance each ton was carried	32.8	43.2	44.5	44.6	72.8	76.8
Net ton miles:						
Total net ton miles performed '000	63,423	23,015	332,321	315,631	3,502,138	5,364,330
Average net ton miles per truck	8,800	4,400	15,200	24,500	36,100	33,600
Capacity ton miles:						
Total capacity ton miles '000	176,571	59,547	821,452	701,748	7,150,729	11,437,183
Average capacity ton miles per truck	24,600	11,500	37,500	54,500	73,700	71,600
Percentage of capacity utilized	35.9	38.7	40.5	45.0	49.0	46.9
Gross ton miles:						
Total gross ton miles '000	214,901	77,704	980,577	831,753	7,827,356	13,814,786
Average gross ton miles per truck	30,000	14,900	44,800	64,500	80,600	86,500
Estimated annual population	7,172	5,200	21,906	12,887	97,078	159,697
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
Mileage:						
Total mileage travelled '000	208,992	359,292	781,806	536,135	4,792,730	
Percentage of total mileage travelled empty	46.3	62.1	56.7	58.7	55.7	
Weight of goods carried:						
Total tons of goods carried '000	8,981	19,986	21,967	25,719	211,593	
Average weight carried ton	10.5	6.2	9.3	10.8	8.1	
Average distance each ton was carried	130.7	42.3	143.6	92.7	81.1	
Net ton miles:						
Total net ton miles performed '000	1,173,805	845,069	3,154,088	2,384,453	17,158,273	
Average net ton miles per truck	26,400	8,300	27,000	42,800	27,600	
Capacity ton miles:						
Total capacity ton miles '000	1,857,570	2,010,268	5,422,662	4,128,049	33,765,779	
Average capacity ton miles per truck	41,700	19,800	46,400	74,100	54,200	
Percentage of capacity utilized	63.2	42.0	58.2	57.8	50.8	
Gross ton miles:						
Total gross ton miles '000	2,545,286	2,530,573	7,467,216	5,567,935	41,858,087	
Average gross ton miles per truck	57,200	24,900	63,900	100,000	67,200	
Estimated annual population	44,500	101,559	116,950	55,686	932,636	

TABLE 4. For Hire Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
Mileage:						
Total mileage travelled '000	2,894	1,028	16,891	18,052	379,023	529,870
Average yearly mileage per truck	8,200	7,700	15,400	23,100	21,100	26,000
Average distance each ton was carried	39.1	179.0	111.6	136.0	131.2	92.1
Percentage of total mileage travelled empty ..	65.4	22.0	27.5	33.8	45.9	42.5
Fuel:						
Total gallons of gasoline consumed '000	402	65	2,475	1,957	40,644	79,968
Miles per gallon of gasoline	7.1	8.8	5.5	6.6	6.5	5.2
Total gallons of diesel oil consumed '000	4	75	520	904	19,971	18,421
Miles per gallon of diesel oil	12.2	6.2	6.2	5.6	5.6	6.1
Total gallons of other fuel consumed '000	—	—	—	—	—	114
Miles per gallon of other fuel	—	—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried '000	118	38	1,050	1,088	18,895	38,275
Average weight carried tons	4.6	8.4	9.6	12.4	12.1	11.6
Net ton miles:						
Total net ton miles performed '000	4,629	6,750	117,095	147,946	2,479,339	3,523,723
Average net ton miles per truck	13,200	50,400	106,900	189,700	137,700	172,700
Capacity ton miles:						
Total capacity ton miles '000	10,297	12,883	218,132	252,112	4,388,126	6,863,174
Average capacity ton miles per truck	29,300	96,100	199,200	323,200	243,800	336,400
Percentage of capacity utilized	45.0	52.4	53.7	58.7	56.5	51.3
Gross ton miles:						
Total gross ton miles '000	11,516	16,064	273,373	328,915	4,902,904	8,193,047
Average gross ton miles per truck	32,800	119,900	249,700	421,700	272,400	401,600
Revenue:						
Total revenue \$'000	676	452	9,267	8,668	135,953	254,705
Revenue per ton mile ¢	14.6	6.7	7.9	5.9	5.5	7.2
Revenue per mile (total mileage travelled) ¢	23.4	44.0	54.9	48.0	35.9	48.1
Average revenue per truck \$	1,900	3,400	8,500	11,100	7,600	12,500
Estimated annual population	351	134	1,095	780	18,000	20,400
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
Mileage:						
Total mileage travelled '000	81,441	62,692	297,803	201,592	1,591,286	
Average yearly mileage per truck	54,300	39,200	29,500	25,800	25,800	
Average distance each ton was carried	352.7	203.9	230.2	117.6	134.8	
Percentage of total mileage travelled empty ..	16.8	26.8	29.8	40.6	38.5	
Fuel:						
Total gallons of gasoline consumed '000	5,745	5,500	24,992	17,429	179,177	
Miles per gallon of gasoline	5.3	5.2	5.4	5.6	5.6	
Total gallons of diesel oil consumed '000	8,430	5,816	27,606	20,314	102,061	
Miles per gallon of diesel oil	6.0	5.8	5.9	5.1	5.7	
Total gallons of other fuel consumed '000	—	10	101	92	317	
Miles per gallon of other fuel	—	—	—	—	5.4	
Weight of goods carried:						
Total tons of goods carried '000	2,903	2,675	12,553	16,415	94,010	
Average weight carried ton	15.1	11.9	13.8	16.1	12.9	
Net ton miles:						
Total net ton miles performed '000	1,023,715	545,450	2,890,199	1,930,863	12,669,709	
Average net ton miles per truck	682,500	340,900	286,200	247,500	205,100	
Capacity ton miles:						
Total capacity ton miles '000	1,457,631	1,016,772	4,507,672	2,979,172	21,705,971	
Average capacity ton miles per truck	971,800	635,500	446,300	381,900	351,500	
Percentage of capacity utilized	70.2	53.6	64.1	64.8	58.4	
Gross ton miles:						
Total gross ton miles '000	2,023,000	1,304,302	6,182,309	4,093,582	27,329,012	
Average gross ton miles per truck	1,348,700	815,200	612,100	524,800	442,500	
Revenue:						
Total revenue \$'000	39,974	25,112	108,059	98,773	681,639	
Revenue per ton mile ¢	3.9	4.6	3.7	5.1	5.4	
Revenue per mile (total mileage travelled) ¢	49.1	40.1	36.3	49.0	42.8	
Average revenue per truck \$	26,600	15,700	10,700	12,700	11,000	
Estimated annual population	1,500	1,600	10,100	7,800	61,760	

TABLE 5. Selected Statistics of For Hire Trucks by Gross Vehicle Weight Group

Gross vehicle weight	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	Estimated annual population
	'000 tons	'000	'000	tons	miles	\$'000	¢	
20,000 lb. and under	2,420	40,783	95,486	2.3	39.5	22,953	24.0	17,035
20,001-30,000 lb.	17,364	118,864	562,079	4.7	32.4	75,593	13.4	17,377
30,001-50,000 "	19,092	130,119	1,059,774	8.1	55.5	106,914	10.1	10,459
50,001 lb. and over	55,134	688,618	10,952,370	15.9	198.7	476,179	4.3	16,889
Totals	94,010	978,384	12,669,709	12.9	134.8	681,639	5.4	61,760

TABLE 6. Selected Statistics of For Hire Trucks by Commodity Group

Commodity Group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals	1,993	29,693	220,649	7.4	110.7	20,004	9.1
Food, feed, beverages and tobacco.....	13,907	202,740	2,445,128	12.1	175.8	110,979	4.5
Crude materials, inedible	29,771	64,260	1,002,639	15.6	33.7	46,951	4.7
Fabricated materials, inedible.....	25,965	177,451	3,025,219	17.0	116.5	137,866	4.6
End products, inedible.....	7,588	168,863	1,463,378	8.7	192.9	128,578	8.8
General freight	14,786	335,377	4,512,696	13.5	305.2	237,261	5.3
Totals	94,010	978,384	12,669,709	12.9	134.8	681,639	5.4

TABLE 7. Private Intercity Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Mileage:											
Total mileage travelled '000	51,769	15,963	130,988	77,869	492,946	837,682	48,929	113,720	238,189	272,900	2,280,955
Average yearly mileage per truck	8,000	5,800	8,900	10,900	12,600	10,900	14,000	11,800	9,700	7,900	10,400
Average distance each ton was carried	32.5	39.1	34.8	29.1	36.6	64.2	97.7	21.9	82.5	54.0	46.4
Percentage of total mileage travelled empty	67.1	74.5	61.3	54.5	57.2	56.7	56.5	66.4	80.0	69.4	61.8
Fuel:											
Total gallons of gasoline consumed '000	5,210	1,313	13,811	8,567	47,049	87,511	4,573	9,939	21,603	22,074	221,650
Miles per gallon of gasoline	9.9	12.0	9.3	8.8	10.0	9.0	9.4	10.7	10.7	11.3	9.7
Total gallons of diesel oil consumed '000	25	24	516	533	3,983	8,225	759	875	1,063	4,041	20,044
Miles per gallon of diesel oil	10.0	7.2	6.1	5.0	5.8	5.9	6.0	5.9	5.8	4.9	5.6
Total gallons of other fuel consumed '000	—	—	—	9	10	157	284	372	319	343	1,494
Miles per gallon of other fuel	—	—	—	—	—	—	—	—	—	—	6.3
Weight of goods carried:											
Total tons of goods carried '000	1,794	380	6,021	5,583	27,380	27,858	1,102	8,927	1,944	8,061	89,050
Average weight carried tons	3.4	3.7	4.1	4.6	4.8	4.9	5.1	5.1	3.4	5.2	4.7
Net ton miles:											
Total net ton miles performed '000	58,358	14,851	209,373	162,274	1,001,856	1,788,075	107,714	195,156	160,384	435,058	4,133,099
Average net ton miles per truck	9,000	5,400	14,200	22,600	25,500	23,300	30,800	20,200	6,600	12,600	18,800
Capacity ton miles:											
Total capacity ton miles '000	164,396	40,323	568,771	425,539	2,623,412	4,304,320	230,477	544,386	488,474	1,050,120	10,440,218
Average capacity ton miles per truck	25,400	14,600	38,400	59,400	66,800	56,000	65,900	56,400	20,000	30,500	47,600
Percentage of capacity utilized	35.5	36.8	36.8	38.1	38.2	41.5	46.7	35.8	32.8	41.4	39.9
Gross ton miles:											
Total gross ton miles '000	200,139	50,982	654,561	465,739	2,692,095	5,189,707	289,711	652,678	662,584	1,325,309	12,183,505
Average gross ton miles per truck	31,000	18,400	44,200	65,000	68,500	67,500	82,800	67,600	27,100	38,500	55,400
Estimated annual population	6,462	2,766	14,794	7,168	39,278	76,879	3,500	9,659	24,450	34,401	219,257

TABLE 8. Selected Statistics of Private Intercity Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Estimated annual population
	'000 tons	'000	'000	tons	miles	
10,000 lb. and under.....	4,488	363,615	174,826	0.5	39.0	159,936
10,001-20,000 lb.	11,021	142,371	355,104	2.5	32.2	25,413
20,001-30,000 "	25,589	164,295	853,399	5.2	33.4	21,072
30,001-50,000 "	22,227	82,439	781,892	9.5	35.2	7,408
50,001 lb. and over.....	25,725	118,724	1,967,878	16.6	76.5	5,528
Totals	89,050	871,444	4,133,099	4.7	46.4	219,357

TABLE 9. Selected Statistics of Private Intercity Trucks by Commodity Group

Commodity group	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton
	'000 tons	'000	'000	tons	miles
Live animals	770	14,774	57,762	3.9	75.0
Food, feed, beverages and tobacco	14,256	298,445	972,240	3.3	68.2
Crude materials, inedible	43,701	107,392	1,016,239	9.5	23.3
Fabricated materials, inedible	21,770	145,824	1,264,254	8.7	58.1
Food products, inedible	5,543	233,061	513,341	2.2	92.6
General freight	3,010	71,948	309,263	4.3	102.7
Totals	89,050	871,444	4,133,099	4.7	46.4

TABLE 10. Private Urban Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Mileage:											
Total mileage travelled..... '000	42,335	6,603	74,304	57,039	829,534	803,866	214,634	74,743	147,583	252,150	2,502,791
Average yearly mileage per truck.....	5,400	4,400	4,300	5,000	7,500	6,000	6,400	5,200	5,500	4,800	6,100
Fuel:											
Total gallons of gasoline consumed..... '000	4,415	1,451	6,907	6,227	81,686	87,313	23,637	8,368	16,016	24,133	260,153
Miles per gallon of gasoline	9.5	4.6	10.7	9.1	9.9	9.1	9.0	8.9	8.8	10.4	9.5
Total gallons of diesel oil consumed..... '000	50	—	2	—	4,154	1,186	463	33	912	191	6,991
Miles per gallon of diesel oil	3.6	—	—	—	4.4	5.0	5.8	7.4	4.5	4.4	4.6
Total gallons of other fuel consumed..... '000	—	—	6	42	105	10	44	—	48	90	347
Miles per gallon of other fuel	—	—	—	—	—	—	—	—	—	—	8.1
Estimated annual population	7,828	1,500	17,294	11,413	110,422	134,803	33,400	14,441	26,650	52,614	410,365

TABLE 11. Farm Trucks by Province

		New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Mileage:												
Total mileage travelled	'000	1,241	6,014	21,261	13,411	115,152	194,451	78,622	182,880	245,814	61,643	920,489
Average yearly mileage per truck		3,500	2,600	3,500	2,700	2,900	3,100	2,000	2,000	3,000	4,600	2,700
Average distance each ton was carried		20.2	12.3	14.8	13.2	11.6	14.2	8.5	12.5	13.9	14.9	12.5
Percentage of total mileage travelled empty		58.6	69.5	71.5	57.7	74.1	70.5	70.5	71.6	66.9	71.1	70.0
Fuel:												
Total gallons of gasoline consumed	'000	135	527	1,921	1,251	8,868	17,616	9,013	18,652	23,558	5,466	87,007
Miles per gallon of gasoline		9.2	11.4	11.1	10.7	13.0	11.0	8.7	9.8	10.4	11.3	10.6
Total gallons of diesel oil consumed	'000	—	4	—	—	—	—	—	56	—	—	60
Miles per gallon of diesel oil		—	4.3	—	—	—	—	—	6.2	—	—	6.1
Total gallons of other fuel consumed	'000	—	—	—	—	—	—	—	—	77	—	77
Miles per gallon of other fuel		—	—	—	—	—	—	—	—	—	—	13.5
Weight of goods carried:												
Total tons of goods carried	'000	22	115	396	410	1,808	3,709	4,976	8,384	7,470	1,243	28,533
Average weight carried	ton	0.9	0.8	1.0	1.0	0.7	0.9	1.8	2.0	1.3	1.0	1.3
Net ton miles:												
Total net ton miles performed	'000	436	1,414	5,853	5,411	20,943	52,532	42,376	104,463	103,505	18,532	355,465
Average net ton miles per truck		1,200	600	1,000	1,100	500	800	1,100	1,200	1,300	1,400	1,000
Capacity ton miles:												
Total capacity ton miles	'000	1,878	6,341	34,549	24,097	139,191	269,689	169,462	449,110	426,516	98,757	1,619,590
Average capacity ton miles per truck		5,200	2,800	5,700	4,900	3,500	4,300	4,300	5,000	5,200	7,300	4,700
Percentage of capacity utilized		23.2	22.3	16.9	22.5	15.0	19.5	25.0	23.3	24.3	18.8	21.9
Gross ton miles:												
Total gross ton miles	'000	3,246	10,658	52,643	37,099	232,357	432,032	232,575	573,593	622,323	149,044	2,345,570
Average gross ton miles per truck		9,000	4,600	8,700	7,500	5,800	6,900	5,900	6,400	7,600	11,100	6,900
Estimated annual population		359	2,300	6,017	4,939	39,800	92,418	33,500	90,300	84,400	13,485	341,518

SECTION II. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1964

TABLE 12. Goods Carried by Province of Origin and Destination

		For hire									
To:	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total	
'000 tons											
From:											
Atlantic Provinces	—	34	12	—	—	—	1	—	31	78	
Quebec	45	—	1,026	47	6	70	14	—	273	1,481	
Ontario	17	1,157	—	119	10	126	41	—	742	2,212	
Manitoba	—	54	140	—	215	67	11	—	7	494	
Saskatchewan	—	3	6	209	—	81	6	—	14	319	
Alberta	—	81	107	62	164	—	406	146	39	1,005	
British Columbia	—	21	53	13	13	342	—	25	185	652	
Yukon and Northwest Territories	—	—	—	—	—	13	3	—	—	16	
United States	5	130	194	3	11	19	87	—	—	449	
Totals	67	1,480	1,538	453	419	718	569	171	1,291	6,706	
Private intercity											
'000 tons											
From:											
Atlantic Provinces	—	26	3	—	—	—	—	—	252	281	
Quebec	19	—	355	—	—	—	—	—	133	507	
Ontario	11	333	—	14	—	1	—	—	300	659	
Manitoba	—	—	42	—	31	15	—	—	7	95	
Saskatchewan	—	—	2	17	—	2	1	—	4	26	
Alberta	—	—	1	12	19	—	46	3	1	83	
British Columbia	—	1	1	2	2	35	—	86	33	150	
Yukon and Northwest Territories	—	—	—	—	—	—	21	—	—	21	
United States	16	106	292	—	13	—	22	—	—	440	
Totals	46	466	696	45	65	53	90	89	730	2,280	

TABLE 13. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under	78	3,080	13,996	4.5	179.4	2,739	19.6
30,001-50,000 lb.	670	17,752	145,722	8.2	217.5	14,960	10.3
50,001 lb. and over	5,958	209,748	3,493,415	16.7	586.3	116,317	3.3
Totals	6,706	230,580	3,653,133	15.8	544.8	134,016	3.7
	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		
20,000 lb. and under	178	14,104	15,952	1.1	89.6		
20,001-30,000 lb.	206	7,089	38,889	5.5	188.8		
30,001-50,000 "	488	8,306	76,955	9.3	157.7		
50,001 lb. and over	1,408	25,597	406,117	15.9	288.4		
Totals	2,280	55,096	537,913	9.8	235.9		

TABLE 14. Selected Statistics by Commodity Group

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals	107	3,518	36,642	10.4	342.4	1,745	4.8
Food, feed, beverages and tobacco	1,011	50,268	824,055	16.4	815.1	22,066	2.7
Crude materials, inedible	657	8,636	144,323	16.7	219.7	4,172	2.9
Fabricated materials, inedible	1,871	32,141	583,876	18.2	312.1	20,654	3.5
End products, inedible	890	37,956	417,964	11.0	469.6	27,857	6.7
General freight	2,170	98,061	1,646,273	16.8	758.7	57,522	3.5
Totals	6,706	230,580	3,653,133	15.8	544.8	134,016	3.7
	Private Intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals	21	818	5,641	6.9	268.6		
Food, feed, beverages and tobacco	497	12,641	140,080	11.1	281.9		
Crude materials, inedible	694	11,266	86,436	7.7	124.5		
Fabricated materials, inedible	676	9,472	154,149	16.3	228.0		
End products, inedible	224	15,998	90,991	5.7	406.2		
General freight	168	4,901	60,616	12.4	360.8		
Totals	2,280	55,096	537,913	9.8	235.9		

Appendix I

Truck Population by Province, Type of Operation and Gross Vehicle Weight Group

Type of operation and gross vehicle weight	Newfoundland ¹	Prince Edward Island ¹	Nova Scotia ¹	New Brunswick ¹	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
For hire:												
0- 5,000 lb.					7	755	289	—	—	164	125	1,340
5,001-10,000 "					225	2,651	669	41	111	431	691	4,819
10,001-15,000 "					248	2,006	894	28	43	314	486	4,019
15,001-20,000 "					355	2,768	2,039	152	87	846	610	6,857
20,001-30,000 "					640	4,001	6,474	253	307	3,955	1,747	17,377
30,001-50,000 "					443	2,833	2,984	301	338	1,952	1,608	10,459
50,001 lb. and over					442	2,986	7,051	725	714	2,438	2,533	16,889
Totals	351	134	1,095	780	2,360	18,000	20,400	1,500	1,600	10,100	7,800	61,760
Private — Intercity:												
0- 5,000 lb.					5,502	10,145	40,149	—	4,474	12,583	12,678	85,531
5,001-10,000 "					16,187	15,046	15,050	2,182	1,797	7,385	16,758	74,405
10,001-15,000 "					1,543	2,748	3,196	257	397	1,143	610	9,894
15,001-20,000 "					2,843	2,772	6,254	345	805	1,511	989	15,519
20,001-30,000 "					4,042	4,673	7,558	439	1,370	1,303	1,687	21,072
30,001-50,000 "					757	2,637	2,090	152	565	304	903	7,408
50,001 lb. and over					316	1,257	2,582	125	251	221	776	5,528
Totals	6,462	2,766	14,794	7,168	31,190	39,278	76,879	3,500	9,659	24,450	34,401	219,357
Urban:												
0- 5,000 lb.					7,189	29,491	79,512	7,509	8,015	15,866	20,178	167,761
5,001-10,000 "					24,138	53,335	29,009	17,339	3,234	5,088	23,577	155,720
10,001-15,000 "					1,867	8,378	7,735	1,419	726	979	1,948	23,052
15,001-20,000 "					2,667	6,629	8,109	2,750	899	2,007	2,604	25,665
20,001-30,000 "					1,893	6,819	6,446	2,313	866	1,342	2,963	22,642
30,001-50,000 "					281	5,770	3,992	2,070	701	1,368	1,343	15,525
50,001 lb. and over					—	—	—	—	—	—	—	—
Totals	7,828	1,500	17,294	11,413	38,035	110,422	134,803	33,400	14,441	26,650	52,614	410,365
Farm:												
0- 5,000 lb.					2,089	17,085	45,004	2,100	18,699	38,771	4,437	128,185
5,001-10,000 "					10,119	20,010	14,291	27,349	36,701	23,285	6,966	138,721
10,001-15,000 "					758	1,996	1,376	4,495	12,546	4,110	885	26,166
15,001-20,000 "					427	658	1,154	4,125	12,472	12,162	687	31,685
20,001-30,000 "					199	49	593	1,172	9,563	3,986	486	16,048
30,001-50,000 "					23	2	—	259	319	66	24	713
50,001 lb. and over					—	—	—	—	—	—	—	—
Totals	359	2,300	6,017	4,939	13,615	39,800	62,418	39,500	90,300	82,400	13,485	341,518
All trucks:												
0- 5,000 lb.					14,787	57,476	164,954	9,609	31,188	67,384	37,419	382,817
5,001-10,000 "					50,669	91,042	59,019	46,911	41,843	36,189	47,992	373,665
10,001-15,000 "					4,416	15,128	13,201	6,199	13,712	6,546	3,929	63,131
15,001-20,000 "					6,292	12,827	17,556	7,372	14,263	16,526	4,890	79,726
20,001-30,000 "					6,774	15,542	21,071	4,177	12,106	10,586	6,883	77,139
30,001-50,000 "					1,504	11,242	9,066	2,284	1,923	3,384	3,724	33,147
50,001 lb. and over					758	4,243	9,633	1,348	965	2,985	3,463	23,394
Totals	15,000	6,700	39,200	24,300	85,200	207,500	294,500	77,900	116,000	143,600	108,300	1,033,000

¹ Population estimates by gross vehicle weight group are not considered sufficiently reliable; therefore, totals only are shown.

APPENDIX II

Truck Population by Type of Motive Power, Class of Operation and Province (Including Tractors)

Type of motive power	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
	per cent					
Gasoline:						
For hire	2.3	1.9	2.6	2.8	7.8	
Private: Intercity	42.8	41.2	37.4	29.2	18.6	
Urban	52.0	22.4	44.0	46.9	52.6	
Farm	2.4	33.9	15.4	20.3	19.2	
Totals	99.5	99.4	99.4	99.2	98.2	
Diesel:						
For hire	1	0.1	0.2	0.4	0.8	
Private: Intercity	0.3	0.1	0.4	0.3	0.3	
Urban	0.2	—	1	—	0.7	
Farm	—	0.4	—	—	—	
Totals	0.5	0.6	0.6	0.7	1.8	
Other fuel:						
For hire	—	—	—	—	—	
Private: Intercity	—	—	—	1	1	
Urban	—	—	1	0.1	1	
Farm	—	—	—	—	—	
Totals	—	—	—	0.1	1	
All types:						
For hire	2.3	2.0	2.8	3.2	8.6	
Private: Intercity	43.1	41.3	37.8	29.5	18.9	
Urban	52.2	22.4	44.0	47.0	53.3	
Farm	2.4	34.3	15.4	20.3	19.2	
Totals	100.0	100.0	100.0	100.0	100.0	
Estimated truck population	15,000	6,700	39,200	24,300	207,500	
	Ontario	Mani-toba	Saskat-chewan	Alberta	British Columbia	Canada
	per cent					
Gasoline:						
For hire	6.2	1.3	1.0	5.7	5.8	5.2
Private: Intercity	25.7	4.3	8.2	16.8	30.6	20.8
Urban	45.6	42.5	12.4	18.4	48.4	39.5
Farm	21.2	50.7	77.8	57.2	12.4	33.0
Totals	98.7	98.8	99.4	98.1	97.2	98.5
Diesel:						
For hire	0.7	0.6	0.4	1.3	1.4	0.8
Private: Intercity	0.4	0.1	0.1	0.1	0.6	0.3
Urban	0.2	0.4	1	0.1	0.1	0.2
Farm	—	—	—	—	—	—
Totals	1.3	1.1	0.5	1.5	2.1	1.3
Other fuel:						
For hire	1	0.1	1	1	1	1
Private: Intercity	1	1	0.1	0.1	0.6	0.1
Urban	1	—	—	0.1	0.1	1
Farm	—	—	—	0.2	—	0.1
Totals	1	0.1	0.1	0.4	0.7	0.2
All types:						
For hire	6.9	2.0	1.4	7.0	7.2	6.0
Private: Intercity	26.1	4.4	8.4	17.0	31.8	21.2
Urban	45.8	42.9	12.4	18.6	48.6	39.7
Farm	21.2	50.7	77.8	57.4	12.4	33.1
Totals	100.0	100.0	100.0	100.0	100.0	100.0
Estimated truck population	294,500	77,900	116,000	143,600	108,300	1,033,000

¹ Less than .05 per cent.

Appendix III

Truck and Tractor-trailer Population by Model and Province

Model	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
	per cent										No.	
	Trucks and tractor-trailer combinations											
Pickup, express, panel, sedan delivery, jeep, utility	65.7	69.5	77.6	58.5	59.4	61.4	63.3	51.9	67.1	71.1	62.6	646,390
Metro	0.5	1.0	—	—	2.5	1.2	—	0.7	0.6	1.4	1.2	12,229
Van	5.0	3.1	2.5	10.5	8.0	12.3	9.0	1.6	5.0	9.8	8.1	83,909
Platform, stake, flatdeck	15.6	7.8	7.7	15.4	9.1	14.6	3.7	4.4	7.3	7.7	9.5	98,161
Mixer	0.6	—	0.4	—	0.4	0.5	0.5	0.2	0.5	0.4	0.4	3,886
Dump	5.9	1.7	3.8	6.5	5.5	5.1	4.6	3.9	2.0	3.4	4.4	45,294
Tank	2.4	0.8	1.7	3.1	3.3	2.1	2.2	1.7	1.9	2.0	2.3	23,591
Box	3.5	11.8	3.3	3.6	7.7	0.5	15.9	34.6	13.4	1.7	9.2	94,522
Bulk carrier	—	—	1.0	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.2	2,202
Mechanically refrigerated	0.1	3.0	0.4	0.2	0.7	0.6	0.3	0.5	0.3	0.6	0.5	5,453
Other	0.7	1.3	1.6	2.1	3.2	1.4	0.4	0.3	1.5	1.7	1.6	16,902
Not stated	—	—	—	—	¹	0.1	—	0.1	0.1	¹	¹	461
Totals	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of trucks and tractors	15,000	6,700	39,200	24,300	207,500	294,500	77,900	116,000	143,600	108,300		1,033,000
	Trucks											
Pickup, express, panel, sedan delivery, jeep, utility	65.7	69.5	78.9	59.5	61.0	64.7	64.9	52.8	69.4	74.1	64.7	646,249
Metro	0.5	1.0	—	—	2.6	1.3	—	0.7	0.7	1.5	1.2	12,229
Van	5.0	3.1	2.2	10.4	7.8	11.8	8.1	1.1	4.0	8.6	7.5	75,006
Platform, stake, flatdeck	15.6	7.8	7.3	14.9	8.4	12.8	3.0	3.9	6.7	6.9	8.5	85,138
Mixer	0.6	—	0.4	—	0.3	0.5	0.5	0.2	0.5	0.4	0.4	3,886
Dump	5.9	1.7	3.8	6.7	5.2	5.0	4.7	3.8	2.0	3.5	4.3	42,938
Tank	2.4	0.8	1.6	2.8	3.0	1.9	2.2	1.5	1.5	1.8	2.1	20,550
Box	3.5	11.8	3.3	3.6	7.9	0.5	16.3	35.2	13.8	1.6	9.4	93,952
Bulk carrier	—	—	0.9	0.1	0.2	¹	0.1	¹	0.1	0.1	0.1	1,174
Mechanically refrigerated	0.1	3.0	0.4	0.1	0.5	0.5	0.2	0.5	0.1	0.6	0.5	4,602
Other	0.7	1.3	1.2	1.9	3.1	0.9	¹	0.2	1.1	0.9	1.3	12,682
Not stated	—	—	—	—	—	0.1	—	0.1	0.1	—	¹	414
Totals	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of trucks	15,000	6,700	38,631	23,862	201,772	280,165	75,944	114,091	138,722	103,933		998,820
	Tractor-trailer combinations											
Express, utility			—	—	1.8	0.2	—	—	—	—	0.4	141
Van			21.3	16.9	15.8	21.7	42.7	30.0	32.9	38.3	26.1	8,903
Platform, stake, flatdeck			40.1	39.7	32.0	49.5	31.4	37.0	23.6	27.9	38.1	13,023
Dump			7.2	—	13.3	7.0	3.9	10.1	4.3	1.8	6.9	2,356
Tank			6.3	17.8	14.4	6.1	6.4	11.5	11.8	6.9	8.9	3,041
Box			—	6.2	1.2	1.0	—	3.2	3.4	2.2	1.7	570
Pole or logging			3.7	—	1.1	0.6	1.0	—	0.8	14.5	2.5	866
Lowbed			11.0	1.8	2.2	3.7	6.4	3.1	6.6	3.7	4.1	1,397
Auto carrier	²	²	2.3	9.8	2.5	2.7	3.6	0.5	2.8	0.6	2.5	840
Bulk carrier			8.1	1.8	1.5	3.2	0.9	3.6	4.6	2.5	3.0	1,028
Mechanically refrigerated			—	6.0	1.7	2.4	2.8	0.5	5.1	1.6	2.5	851
Other			—	—	11.9	1.9	0.9	0.5	3.8	—	3.2	1,117
Not stated			—	—	0.6	—	—	—	0.3	—	0.1	47
Totals			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Estimated population of tractors			569	438	5,728	14,335	1,956	1,909	4,878	4,367	—	34,180

¹ Less than .05 per cent.² Included with trucks.

Appendix IV
Truck Population by Year of Manufacture and Province

Year of manufacture	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British ¹ Columbia	Canada ²	No.
	per cent											
Prior to 1952	1.9	9.6	8.7	8.0	7.8	11.6	24.4	34.0	16.8	—	15.0	138,705
1952	1.4	3.2	4.0	3.2	3.3	4.3	5.7	8.9	7.6	—	5.2	48,084
1953	2.9	4.0	4.5	3.8	3.2	4.1	4.4	9.6	5.5	—	4.8	44,386
1954	2.8	3.7	3.0	1.9	3.9	3.4	4.4	3.9	3.2	—	3.6	33,289
1955	3.4	4.3	5.0	4.2	3.8	5.8	3.8	2.4	3.5	—	4.3	39,762
1956	5.1	7.8	5.3	8.0	7.0	7.4	6.0	4.4	5.3	—	6.4	59,181
1957	4.9	2.2	7.6	5.3	6.2	6.2	5.1	4.0	4.6	—	5.6	51,783
1958	6.4	7.0	5.0	3.6	6.0	6.5	7.0	3.7	6.4	—	5.9	54,557
1959	8.1	9.1	9.1	6.7	8.0	7.7	8.7	4.8	8.5	—	7.7	71,202
1960	12.2	10.0	8.1	11.0	9.2	8.6	6.5	3.2	6.8	—	7.7	71,202
1961	10.8	10.3	7.3	10.9	9.9	7.8	6.0	4.9	6.8	—	7.7	71,202
1962	13.8	10.8	12.9	12.5	12.2	9.3	6.3	3.6	9.6	—	9.4	86,922
1963	16.8	12.6	13.4	13.3	13.7	11.3	8.3	9.2	9.3	—	11.2	103,566
1964	8.1	5.4	5.5	7.2	5.7	6.0	2.9	3.4	6.1	—	5.4	49,934
Not stated	1.4	—	0.6	0.4	0.1	³	0.5	³	³	—	0.1	925
Totals	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	—	100.0	
Estimated population	15,000	6,700	39,200	24,300	207,500	294,500	77,900	116,000	143,600	—	924,700	924,700

¹ Year of manufacture not available.² Excludes British Columbia.³ Less than .05 per cent.

Appendix V
Commodity Classification

Live animals:	Crude materials, inedible—Concluded:
Cattle	Stone, crude
Live animals, n.e.s. ¹	Crude non-metallic minerals, except coal and petroleum, n.e.s.
	Crude materials, inedible, n.e.s.
Food, feed, beverages and tobacco:	Fabricated materials, inedible:
Meat and meat preparations	Sawmill products
Dairy produce, eggs and honey	Wood fabricated materials, n.e.s.
Cereals unmilled (including grain)	Paper and paperboard
Grain, flour, meal and cereal preparations, n.e.s.	Oils, fats, waxes, extracts and derivatives, animal and vegetable
Fruits and fruit preparations	Inorganic and organic chemicals
Vegetables and vegetable preparations	Chemical products
Fodder and feed, except unmilled cereals	Gasoline
Non-alcoholic beverages	Fuel oil
Ale, beer, stout and porter	Petroleum and coal products, n.e.s.
Tobacco	Iron and steel and alloys and metal fabricated basic products
Food, feed, beverages and tobacco, n.e.s.	Cement and concrete basic products
	Non-metallic mineral basic products, n.e.s.
Crude materials, inedible:	Fabricated materials, inedible, n.e.s.
Logs, round and roughly squared	
Round timber	End products, inedible:
Pulpwood	Machinery
Fuelwood, n.e.s.	Passenger automobiles and chassis
Crude wood materials, n.e.s.	Motor vehicle engines, accessories, parts and assemblies
Ores, concentrates and precipitates	End products, inedible, n.e.s.
Coal	
Coal, crude petroleum and related crude products, n.e.s.	General freight
Sand and gravel	

¹ n.e.s. - not elsewhere specified.

Appendix VI
Description of Vehicle Classifications

The following summary shows how the existing licensing 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 owned by companies or individuals licensed by the motor carrier board.

Quebec:

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

Ontario:

Public Commercial Vehicles (PCV)—operated for compensation outside urban areas (rural and intercity routes).

Manitoba:

Public Service Vehicles (PSV)—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" 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.

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:

"C" licensed vehicles and that portion of "X" vehicles operated beyond 5 miles radius of place of registration.

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.

Quebec:

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

Ontario:

No separate licence—trucks operated only in urban areas.

Manitoba:

"T" and "DC" 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:

"U" licensed vehicles and that portion of "X" licences 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:

Trucks owned and operated by a farmer including those with special farm licence in Nova Scotia and New Brunswick.

New Brunswick:

Trucks with "F" or "C" licences.

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:

Trucks owned and operated by a farmer including those with special farm licence.

Appendix VII

TRUCK TRAFFIC QUESTIONNAIRE

DOMINION BUREAU OF STATISTICS, OTTAWA
Transportation Section

This questionnaire is for the following vehicle
only, do not substitute any other vehicle:

To be completed by all vehicle operators regardless of
the purpose for which vehicle is used—and to be returned at
end of Survey Week.

Please answer those sections which apply to your operations
for ONE WEEK ONLY

Serial No.		Licence No.
begin SUNDAY morning	end SATURDAY midnight	

INSTRUCTIONS — PLEASE READ CAREFULLY

Tractors — If the vehicle is a tractor then the information requested will apply to the tractor-trailer combination.

Units of Measure — Goods carried may be reported in gallons, cubic yards etc. if impossible to estimate in pounds. State unit used.

If Vehicle did not Operate — If this vehicle did not operate at all during Survey Week, or was used only on private property such as farm, quarry, lumber camp or industrial yard, or is no longer in your possession, please complete question 5 and return.

Assistance — If you have any queries regarding this questionnaire, please contact Transportation Section, Dominion Bureau of Statistics, Ottawa (phone no. 99-27054) or contact one of the Regional Offices listed below.

City	Address	Phone No.	City	Address	Phone No.
St. John's, Nfld.	Sir Humphrey Gilbert Bldg. (P.O. Box 5785)	578-3145	Halifax, N.S.	105 Hollis St. (P.O. Box 244)	423-7387
Montreal, P.Q.	Room 830, 1165 Bleury St.	875-2050	Toronto, Ont.	36 Adelaide St. E.	362-6211 (Loc. 2434)
Winnipeg, Man.	269 Main St. Federal Bldg.	943-4528	Edmonton, Alta.	533 Federal Public Bldg. 107th St.	424-0251 (Loc. 259)
Vancouver, B.C.	Room 404, 326 Howe St.	681-5288			

I. GENERAL QUESTIONS TO BE ANSWERED BY EVERYONE

1. Is this vehicle used mainly (check ☒ one):

- ☐ (a) as a for hire local cartage or pick-up and delivery carrier? ☐ (b) as a private local carrier?
Local in (a) and (b) above means operations confined to urban areas as defined by the provincial licensing system. Where licensing systems do not differentiate between urban and intercity operations, urban is defined as being within the confines of metropolitan areas, cities, towns and villages and the surrounding rural area within a five mile radius of the perimeter of the urban area.
- ☐ (c) as a for hire intercity carrier? ☐ (d) as a private intercity carrier?
☐ (e) by a farmer to carry goods to and from the farm? ☐ (f) for personal transportation with no load?

2. Is this vehicle licensed in the United States?

☐ 1 Yes ☐ 2 No

3. Is this a tractor-trailer combination?

☐ 1 Yes ☐ 2 No

If "yes" what is the usual gross vehicle weight of the combination? _____ lbs.

4. Gallons of fuel put into truck during Survey Week:

- ☐ 1 Gasoline
☐ 2 Diesel
☐ 3 Other

Gallons	
Imperial	U.S.

5. If this vehicle was not operated during Survey Week please state reason _____

II. URBAN OR LOCAL OPERATIONS

— operations confined to urban areas as defined by the provincial licensing system. Where licensing systems do not differentiate between urban and intercity operations, urban is defined as being within the confines of metropolitan areas, cities, towns and villages and the surrounding rural areas within a five mile radius of the perimeter of the urban area. Exclude the urban portion of intercity trips which should be reported in section III.

1. Total miles travelled in Urban Areas during Survey Week.

Include miles travelled without a load. _____ miles.

III. HIGHWAY (INTERCITY AND RURAL) OPERATIONS

— operations defined as intercity by the provincial licensing system. Where licensing systems do not differentiate between intercity and urban operations, intercity is defined as outside the metropolitan areas, cities, towns and villages, and at least further than a 5 mile radius from the perimeter of an urban area. Rural operations refer to traffic performed on public roads by farmers to and from farm property. Report all trips including those without a load.

INFORMATION REQUIRED	INTERCITY EXAMPLES		RURAL EXAMPLES	
	One-Way Trip	One-Way Trip	One-Way Trip	One-Way Trip
1. Point of departure	Toronto	Montreal	Own farm	St. Catharines
2. Final destination	Montreal	Toronto	St. Catharines	Own farm
3. One-way mileage	350	350	23	23
4. Weight of load on vehicle at point of departure. (pounds)	18,000	empty	1,000	500
5. Weight of load on vehicle at point half-way between departure and destination. (pounds)	19,500	empty	1,000	500
6. Weight of load on vehicle on arrival at final destination. (pounds)	21,000	empty	1,000	500
7. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?	4,500	nil	nil	nil
8. What kind of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.	furniture, electrical fixtures	nil	head lettuce	farm supplies
9. If this vehicle is a for-hire common or contract carrier, please estimate gross trip revenue.	\$180.00	nil	not applicable	not applicable
10. On trips which involve going from one province to another or to the U.S. please list by number the highways travelled on.	401; 2	2; 401	not applicable	not applicable

INFORMATION REQUIRED	ONE-WAY TRIP NO. 1	ONE-WAY TRIP NO. 2	ONE-WAY TRIP NO. 3	ONE-WAY TRIP NO. 4
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Weight of load on vehicle at point of departure. (pounds)				
5. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
6. Weight of load on vehicle on arrival at final destination. (pounds)				
7. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
8. What kind of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. If this vehicle is a for-hire common or contract carrier, please estimate gross trip revenue.				
10. On trips which involve going from one province to another or to the U.S. please list by number the highways travelled on.				

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