

388.3

C16

D

1958

CATALOGUE No.

53-209

ANNUAL

c.3



CANADA



MOTOR TRANSPORT TRAFFIC

PROVINCE OF QUEBEC

1958

Published by Authority of

The Honourable Gordon Churchill, Minister of Trade and Commerce

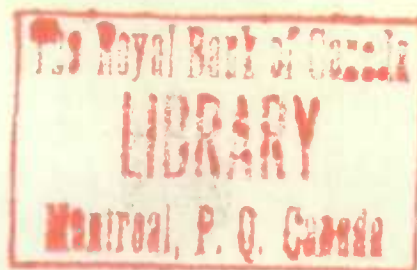
DOMINION BUREAU OF STATISTICS

Public Finance and Transportation Division

Transportation and Public Utilities Section

February, 1960
8504-559

Price 50 cents



203-88
1958

Reports Published by the
Public Finance and Transportation Division
dealing with

ROAD TRANSPORT

Catalogue number	Title	Price
53-001	Motor Vehicle Traffic Accidents — quarterly.....	.50, (\$2.00 a year)
53-002	Passenger Bus Statistics — Intercity and Rural — monthly10, (\$1.00 a year)
53-003	Urban Transit — monthly.....	.10, (\$1.00 a year)
53-201	Highway Statistics — annual50
53-202	Bridge, Tunnel and Ferry Companies (International) — annual.....	.50
53-203	Motor Vehicle — annual.....	.75
53-204	Motor Vehicle — Preliminary Report of Registrations, and Size, Weight and Safety Regulations — annual50
53-205	Motor Carriers — Freight — annual50
53-206	Motor Vehicle Traffic Accidents — annual.....	.75
53-207	Motor Transport Traffic Statistics: National Estimates — annual75
53-208	Motor Transport Traffic Statistics: Atlantic Provinces — annual.....	.50
53-209	Motor Transport Traffic Statistics: Quebec — annual.....	.50
53-210	Motor Transport Traffic Statistics: Ontario — annual.....	.50
53-211	Motor Transport Traffic Statistics: Manitoba — annual50
53-212	Motor Transport Traffic Statistics: Saskatchewan — annual50
53-213	Motor Transport Traffic Statistics: Alberta — annual.....	.50
53-214	Motor Transport Traffic Statistics: British Columbia — annual50
53-215	Passenger Bus Statistics — annual.....	.50
53-216	Urban Transit — annual.....	.50

*Subscription orders should be sent to the Information Services
Division, Dominion Bureau of Statistics, Ottawa, Canada, with
enclosed remittances made payable to the Receiver General of
Canada.*

FEB 10 1960

TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation	4
2. Net Ton Miles by Type of Operation	4
Introduction	5
Section I. Traffic Performed by Quebec Registered Trucks Inside and Outside the Province, January 1 – December 31, 1958.	
Table 1. All Trucks by Type of Operation	7
Table 2. All Trucks by Gross Vehicle Weight Groups	7
Table 3. Selected Statistics by Gross Vehicle Weight Groups	8
Section II. Traffic Performed by Quebec Registered Trucks Within the Province, January 1 – December 31, 1958.	
Table 1. All Trucks by Type of Operation	8
Table 2. All Trucks by Gross Vehicle Weight Groups	9
Section III. Intraprovincial Traffic Performed by Quebec Registered Trucks, January 1 – December 31, 1958.	
Table 1. Selected Statistics of Intercity Traffic by Gross Vehicle Weight Groups	9
Table 2. Selected Statistics of Intercity Traffic by Commodity Groups	10
Section IV. Interprovincial and International Traffic Performed by Quebec Registered Trucks, January 1 – December 31, 1958.	
Table 1. Tons of Goods Carried by Province of Origin and Destination	10
Table 2. Selected Statistics by Commodity Groups	11
Appendix 1. A. Population B. Survey Response	11
Appendix 2. Reliability of Motor Transport Traffic Statistics	12

PROVINCE OF QUEBEC
JANUARY 1 - DECEMBER 31, 1958

CHART-1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

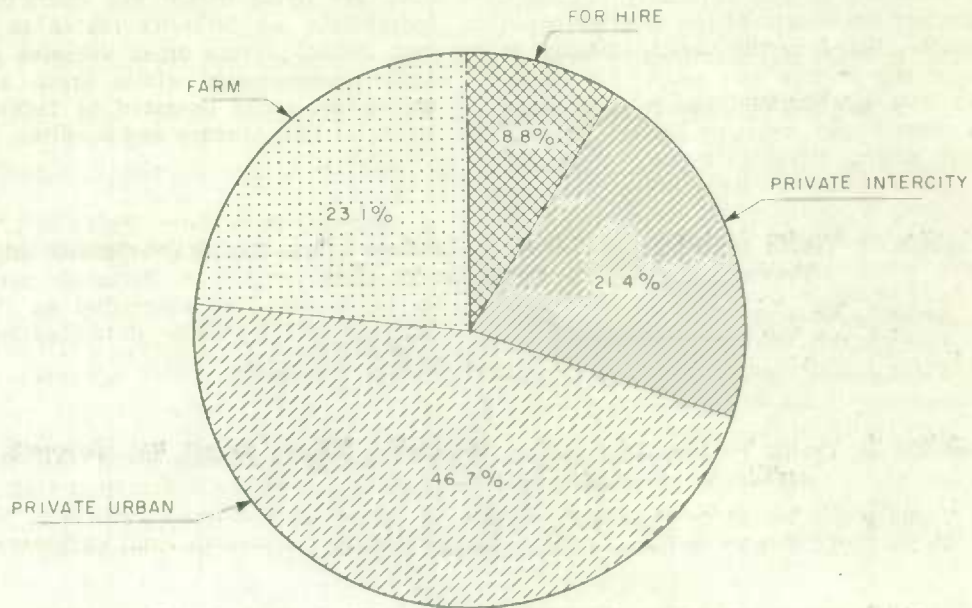
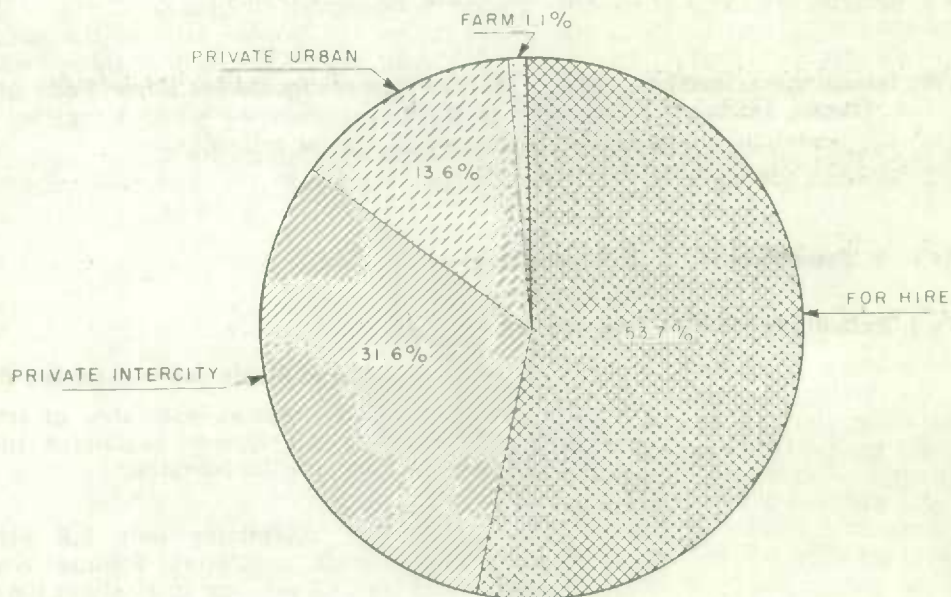


CHART-2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1958 annual report of motor transport traffic in the Province of Quebec is based upon a sample of approximately 12 per cent of trucks registered in the province. To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations, the sample was selected in four quarterly segments with approximately one-fourth of the total selected each quarter. Beginning in the second quarter of 1958, each quarterly sample was spread over three survey weeks with one-third of the sample being used for a seven day period, Sunday through Saturday, per month. Previously each quarterly sample was concentrated in one survey week so that the total sample for the year was spread over only four weeks. Statistics compiled for 1958, therefore, have been based on surveys spread over ten weeks. As a result a much better representation of truck traffic has been obtained.

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

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

For-hire and farm trucks ("L" and "N" licences) are the only classes to be registered separately in Quebec. Privately operated vehicles in the sample are classified as "intercity" and "urban" on the basis of replies to the questionnaires.

Further information on the history and the organization of motor transport traffic surveys may be found in the report entitled "Motor Transport Traffic Statistics, National Estimates, 1957".

Expansion of Survey Results

The distribution of sample vehicles by gross vehicle weight groups and by type of operation was used to provide population estimates as at the time of the sample selection. Sample results were then expanded to represent the operations of all trucks registered in the province by multiplying the sample

results by the inverse ratio of the sample to the population and by the ratio of three months to one week. The expanded data for each of the four quarterly segments were added together to obtain annual provincial estimates.

Review of Survey Results

Excluding vehicles which do not perform transportation services, the average number of trucks registered in Quebec during the year was 153,465. Of these, 13,461 or 8.8 per cent were for-hire carriers; 32,818 or 21.4 per cent were private intercity vehicles; 71,685 or 46.7 per cent were private vehicles operating predominantly within urban areas; and 35,501 or 23.1 per cent were farm trucks.

In the tables presented herein blanks appear in a number of weight classifications where no vehicles were chosen in any of the quarterly sample selections. It does not necessarily follow that there are no vehicles in the province belonging to these classifications.

Section I: Traffic Inside and Outside the Province

Section I contains estimates of total traffic performed by all Quebec registered trucks both inside and outside the province.

Although comprising only 8.8 per cent of Quebec's truck population, for-hire vehicles accounted for 53.7 per cent of total net ton miles and 24.2 per cent of total tons of goods carried during 1958. This results from the high average yearly mileage of these trucks, 21,700 as compared with 9,300 miles for all trucks, and from the heavy average load carried (9.1 tons as compared with 4.6 for all trucks). The heavier loads carried by for-hire

trucks are to be expected since slightly less than half of these vehicles have a gross weight of over 10 tons. The predominance of heavier vehicles in the for-hire class also explains the low miles per gallon of gasoline estimate of 6.9 as compared with a ratio of 9.5 for all trucks.

Some trucks in Quebec are used essentially for personal transportation. Such vehicles account for about 6 per cent of the total mileage travelled by Quebec registered trucks.

Section II: Traffic Within the Province

This section presents estimates of traffic performed by Quebec registered trucks entirely inside the province and excludes the "outside the province" portion of interprovincial and international traffic as well as any traffic performed entirely outside the province. Comparing the data in Section I and Section II it will be noted that for-hire vehicles accumulated 45.9 per cent and private intercity 8.3 per cent of their total net ton miles outside of Quebec.

Section III: Intraprovincial Traffic

This section includes statistics of for-hire and private intercity operations originating and terminating entirely inside the boundaries of Quebec.

It is estimated that of the total net ton miles performed by both for-hire and private intercity trucks, manufactured products accounted for 41.3 and 43.4 per cent respectively of the commodities carried.

Section IV: Interprovincial and International Traffic

Estimates indicate that over four-fifths of the total tons of goods carried by Quebec registered for-hire trucks in interprovincial and international traffic was transferred to or from Ontario; and, that more than two-fifths of the total net ton miles performed and one-third of the revenue earned by for-hire trucks was in interprovincial and international traffic.

Appendix 1

During the year survey questionnaires were sent to the owners or operators of 17,829 trucks. Of this number 8,260 questionnaires were returned completed and 3,714 trucks were reported not used during the survey week. In addition 3,604 questionnaires were returned with insufficient information. Non-response totalled 2,251 or 12.6 per cent.

Reliability of Motor Transport Traffic Statistics

(a) Non-Sampling Variability

A certain amount of variance in motor transport traffic statistics will arise from non-sampling factors including improper reporting by the respondent due to misinterpretation of questions or deliberate mis-statements. Also, the respondent may not keep accurate records of traffic performed. The effect of these factors cannot be measured without a further follow-up and re-enumeration of the statistics reported.

(b) Sampling Variability

Estimates of the sampling error have, however, been calculated for the following class totals (see Appendix 2): (1) mileage travelled (2) weight of

goods carried (3) net ton miles and (4) revenue earned. These calculations have been made using a confidence limit of two standard deviations (i.e. allowing 95 out of 100 chances that the stated range contains the true value). The stability of the data varies according to the type of statistics involved and the number of trucks reporting in each category. Hence statistics of class totals are considered more reliable than those for any particular weight group. Of the various types of data presented, the most stable statistics were "total mileage travelled" while variability seemed greatest for "weight of goods carried". This is understandable when we consider that trucks may travel with little or no load so that there is a naturally wide range of weights carried.

December 18, 1959.

**SECTION I. TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 - DECEMBER 31, 1958**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled.....	'000	292,167	465,507	539,731	136,383	1,433,788
Average yearly mileage per truck		21,700	14,200	7,500	3,800	9,300
Average distance each ton was carried		70.7	30.1	10.6	19.3	31.8
Percentage of total mileage travelled empty		24.5	47.0	42.1	72.0	43.0
Fuel:						
Total gallons of gasoline consumed	'000	33,415	48,811	51,034	10,143	143,403
Miles per gallon of gasoline.....		6.9	9.4	10.5	13.4	9.5
Total gallons of diesel oil consumed	'000	10,035	1,048	559	—	11,642
Miles per gallon of diesel oil		6.2	6.2	5.2	—	6.1
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel.....		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	28,398	39,152	47,661	2,102	117,313
Average weight carried ¹	ton	9.1	4.8	1.6	1.1	4.6
Net ton miles:						
Total net ton miles performed	'000	2,006,747	1,179,374	507,302	40,650	3,734,073
Average net ton miles per truck.....		149,100	35,900	7,100	1,100	24,300
Capacity ton miles:						
Total capacity ton miles ²	'000	3,445,718	2,621,470	1,485,990	180,596	7,733,774
Average capacity ton miles per truck		256,000	79,900	20,700	5,100	50,400
Percentage of capacity utilized.....		58.2	45.0	34.1	22.5	48.3
Gross ton miles:						
Total gross ton miles ³	'000	3,939,690	2,870,989	1,939,875	297,954	9,048,508
Average gross ton miles per truck		292,700	87,500	27,100	8,400	59,000
Revenue:						
Total revenue	\$'000	157,791	—	—	—	—
Revenue per ton mile	¢	7.9	—	—	—	—
Revenue per mile (total mileage travelled)	¢	54.0	—	—	—	—
Average revenue per truck	\$	11,700	—	—	—	—
Average annual population		13,461	32,818	71,685	35,501	153,465

TABLE 2. All Trucks by Gross Vehicle Weight Groups

	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Mileage:							
Total mileage travelled.....	'000	262,576	498,049	115,982	100,590	148,373	1,433,788
Average yearly mileage per truck		6,100	7,800	8,500	10,600	13,400	9,300
Average distance each ton was carried		26.1	21.4	14.8	18.2	23.2	31.8
Percentage of total mileage travelled empty		61.9	48.3	33.7	33.3	35.0	43.0
Fuel:							
Total gallons of gasoline consumed	'000	17,460	41,020	12,286	12,488	19,846	143,403
Miles per gallon of gasoline		15.0	12.1	9.4	8.1	7.2	9.5
Total gallons of diesel oil consumed	'000	—	—	—	—	718	11,642
Miles per gallon of diesel oil		—	—	—	—	7.6	6.1
Total gallons of other fuel consumed	'000	—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000	1,471	7,474	10,620	12,240	23,294	117,313
Average weight carried ¹	ton	0.4	0.6	2.0	3.3	5.6	4.6
Net ton miles:							
Total net ton miles performed	'000	38,431	160,005	157,355	222,373	540,250	3,734,073
Average net ton miles per truck		900	2,500	11,500	23,500	48,900	24,300
Capacity ton miles:							
Total capacity ton miles ²	'000	219,090	636,950	387,424	519,670	1,188,166	7,733,774
Average capacity ton miles per truck		5,100	10,000	28,300	54,900	107,700	50,400
Percentage of capacity utilized		17.5	25.1	40.6	42.8	45.5	48.3
Gross ton miles:							
Total gross ton miles ³	'000	428,027	1,166,136	539,416	626,251	1,216,458	9,048,508
Average gross ton miles per truck		9,900	18,300	39,400	66,100	110,200	59,000
Average annual population		43,164	63,759	13,708	9,470	11,037	153,465

See footnotes page 9.

TABLE 3. 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	c
20,000 lbs. and under	6,850	56,628	124,903	2.2	18.2	29,965	24.0
20,001 - 30,000 lbs.	4,907	31,507	206,349	6.5	42.1	21,726	10.5
30,001 - 50,000 lbs.	16,641	132,310	1,675,495	12.7	100.7	106,100	6.3
50,001 lbs. and over	—	—	—	—	—	—	—
Total	28,398	220,445	2,006,747	9.1	70.7	157,791	7.9
	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	1,955	98,202	70,612	0.7	36.1		
10,001 - 20,000 lbs.	5,846	42,905	135,347	3.2	23.2		
20,001 - 30,000 lbs.	8,890	41,042	229,724	5.6	25.8		
30,001 - 50,000 lbs.	22,461	64,660	743,691	11.5	33.1		
50,001 lbs. and over	—	—	—	—	—		
Total	39,152	246,809	1,179,374	4.8	30.1		

**SECTION II. TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS WITHIN THE PROVINCE
JANUARY 1 - DECEMBER 31, 1958**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	209,552	447,988	539,731	136,383	1,333,654
Average yearly mileage per truck		15,600	13,700	7,500	3,800	8,700
Average distance each ton was carried		39.0	27.9	10.6	19.3	23.3
Percentage of total mileage travelled empty		29.5	47.3	42.1	72.0	44.9
Fuel:						
Total gallons of gasoline consumed	'000	25,101	46,493	51,034	10,143	132,771
Miles per gallon of gasoline		7.3	9.5	10.5	13.4	9.8
Total gallons of diesel oil consumed	'000	4,019	722	559	—	5,300
Miles per gallon of diesel oil		6.3	6.1	5.2	—	6.2
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	27,796	38,755	47,661	2,102	116,314
Average weight carried ¹	ton	7.3	4.6	1.6	1.1	3.7
Net ton miles:						
Total net ton miles performed	'000	1,085,124	1,082,049	507,302	40,650	2,715,125
Average net ton miles per truck		60,600	33,000	7,100	1,100	17,700
Capacity ton miles:						
Total capacity ton miles ²	'000	2,078,059	2,420,798	1,485,990	180,596	6,165,443
Average capacity ton miles per truck		154,400	73,800	20,700	5,100	40,200
Percentage of capacity utilized		52.2	44.7	34.1	22.5	44.0
Gross ton miles:						
Total gross ton miles ³	'000	2,283,580	2,644,431	1,939,875	297,954	7,165,840
Average gross ton miles per truck		169,600	80,600	27,100	8,400	46,700
Revenue:						
Total revenue	\$'000	106,009	—	—	—	—
Revenue per ton mile	¢	9.8	—	—	—	—
Revenue per mile (total mileage travelled)	¢	50.6	—	—	—	—
Average revenue per truck	\$	7,900	—	—	—	—
Average annual population		13,461	32,818	71,685	35,501	153,465

TABLE 2. All Trucks by Gross Vehicle Weight Groups

	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Mileage:							
Total mileage travelled	261,283	497,143	113,792	98,212	139,452	223,772	1,333,654
Average yearly mileage per truck	6,100	7,800	8,300	10,400	12,600	18,200	8,700
Average distance each ton was carried	26.0	21.3	14.5	17.8	20.6	27.2	23.3
Percentage of total mileage travelled empty	61.9	48.3	33.6	33.0	36.1	34.2	44.9
Fuel:							
Total gallons of gasoline consumed	17,359	40,947	12,070	12,132	18,774	31,489	132,771
Miles per gallon of gasoline	15.1	12.1	9.4	8.1	7.2	6.2	9.8
Total gallons of diesel oil consumed	—	—	—	—	462	4,838	5,300
Miles per gallon of diesel oil	—	—	—	—	7.6	6.0	6.2
Total gallons of other fuel consumed	—	—	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	1,471	7,474	10,614	12,227	23,175	61,353	116,314
Average weight carried ¹	0.4	0.6	2.0	3.3	5.4	11.3	3.7
Net ton miles:							
Total net ton miles performed	38,299	159,420	153,950	217,562	478,022	1,667,872	2,715,125
Average net ton miles per truck	900	2,500	11,200	23,000	43,300	135,300	17,700
Capacity ton miles:							
Total capacity ton miles ²	218,153	635,781	379,429	504,902	1,097,945	3,329,233	6,165,443
Average capacity ton miles per truck	5,100	10,000	27,700	53,300	99,500	270,100	40,200
Percentage of capacity utilized	17.6	25.1	40.6	43.1	43.5	50.1	44.0
Gross ton miles:							
Total gross ton miles ³	425,753	1,163,482	528,629	593,640	1,119,075	3,335,261	7,165,840
Average gross ton miles per truck	9,900	18,200	38,600	62,700	101,400	270,600	46,700
Average annual population	43,164	63,759	13,708	9,470	11,037	12,327	153,465

¹ Ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.³ 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 III. INTRAPROVINCIAL TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS JANUARY 1 - DECEMBER 31, 1958

TABLE 1. Selected Statistics of Intercity Traffic 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	¢
20,000 lbs. and under	1,072	17,287	50,477	2.9	47.1	7,462	14.8
20,001-30,000 lbs.	2,076	14,811	93,190	6.3	44.9	9,913	10.6
30,001-50,000 lbs.	6,749	46,528	584,093	12.6	86.6	40,987	7.0
50,001 lbs and over	—	—	—	—	—	—	—
Total	9,897	78,626	727,760	9.3	73.5	58,362	8.0
	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	1,667	90,109	63,120		0.7	37.9	
10,001-20,000 lbs.	5,511	38,423	122,941		3.2	22.3	
20,001-30,000 lbs.	7,571	36,860	209,074		5.7	27.6	
30,001-50,000 lbs.	19,422	52,357	591,576		11.3	30.5	
50,001 lbs. and over	—	—	—		—	—	—
Total	34,171	217,749	986,711		4.5	28.9	

TABLE 2. Selected Statistics of Intercity Traffic by Commodity Groups

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	¢
Agricultural products	263	2,486	18,495	7.4	70.3	2,054	11.1
Animals and animal products	1,139	12,106	65,788	5.4	57.8	5,797	8.8
Mine products	2,019	5,497	69,979	12.7	34.7	4,816	6.9
Forest products	398	3,594	42,608	11.9	106.9	2,467	5.8
Manufactures and miscellaneous	3,526	29,000	300,751	10.4	85.3	23,769	7.9
N.O.S. general freight	2,552	25,943	230,139	8.9	90.2	19,459	8.5
Total	9,897	78,626	727,760	9.3	73.5	58,362	8.0
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	1,049	11,319	48,797	4.3	46.5		
Animals and animal products	1,173	24,518	72,965	3.0	62.2		
Mine products	15,755	21,124	198,424	9.4	12.6		
Forest products	3,566	18,715	152,182	8.1	42.7		
Manufactures and miscellaneous	9,408	115,110	428,486	3.7	45.5		
N.O.S. general freight	3,220	26,963	85,857	3.2	26.7		
Total	34,171	217,749	986,711	4.5	28.9		

SECTION IV. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS
JANUARY 1 - DECEMBER 31, 1958

TABLE 1. Tons of Goods Carried by Province of Origin and Destination

Origin or destination	For hire			Private intercity			Total		
	Into Quebec	Out of Quebec	Total	Into Quebec	Out of Quebec	Total	Into Quebec	Out of Quebec	Total
	'000 tons								
Newfoundland	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-
Nova Scotia	2	2	4	-	-	-	2	2	4
New Brunswick	24	38	62	-	-	-	24	36	62
Ontario	1,051	1,172	2,223	273	457	730	1,324	1,629	2,953
Manitoba	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-
Alberta	28	38	66	-	-	-	28	38	66
British Columbia	-	4	4	-	-	-	-	4	4
Yukon and North West Territories	-	-	-	-	-	-	-	-	-
United States	148	131	279	4	272	276	152	403	555
Total	1,233	1,385	2,638	277	729	1,006	1,530	2,114	3,644

TABLE 2. Selected Statistics by Commodity Groups

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	¢
Agricultural products	91	1,510	22,164	14.7	241.4	1,395	6.3
Animals and animal products	131	6,902	87,462	12.7	668.3	2,882	3.3
Mine products	15	437	3,593	8.2	239.3	233	6.5
Forest products	96	679	12,193	17.9	127.2	802	6.6
Manufactures and miscellaneous	1,405	37,654	448,918	11.9	319.5	29,819	6.6
N.O.S. general freight	900	21,055	282,842	13.4	314.3	17,503	6.2
Total	2,638	68,237	857,172	12.6	324.9	52,634	6.1
	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	50	1,062	15,435	14.5	306.8		
Animals and animal products	7	526	628	1.2	87.6		
Mine products	51	424	5,251	12.4	102.5		
Forest products	356	2,916	29,010	9.9	81.6		
Manufactures and miscellaneous	450	6,132	58,305	9.5	129.6		
N.O.S. general freight	92	2,207	15,346	7.0	166.7		
Total	1,006	13,267	123,973	9.3	121.3		

APPENDIX I

Type of operation	A. Population						
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,000-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Estimated average Quebec truck population January 1 - December 31, 1958							
For hire	252	2,018	2,640	2,200	2,271	4,080	13,461
Private:							
Intercity	7,323	11,702	2,471	2,278	4,287	4,757	32,816
Urban	17,911	34,334	6,950	4,624	4,376	3,490	71,685
Farm	17,678	15,705	1,647	368	103	—	35,501
Total	43,164	63,759	13,708	9,470	11,037	12,327	153,465
	B. Survey Response						
	Total number of trucks selected in samples	Number of questionnaires returned completed	Number of sampled trucks reported not in use during survey week	Number of questionnaires not returned or returned incomplete and unusable			
For hire	2,468	1,332	463	673			
Private:							
Intercity	4,396	2,044	980	1,372			
Urban	8,364	3,945	1,666	2,751			
Farm	2,601	939	603	1,059			
Total	17,829	8,260	3,714	5,885			

APPENDIX 2. Reliability of Motor Transport Traffic Statistics

	Number of trucks reporting (1)	Survey estimates (2)	Sampling variability (Two standard deviations)		Range (Col. 2 plus and minus col. 3)	
			Size (3)	Per cent of col. 2 (4)	Lower limit (5)	Upper limit (6)
		'000	'000		'000	'000
A. Traffic performed within the province¹						
Total mileage travelled						
		miles	miles		miles	miles
For hire	1,306	209,552	8,382	4.0	201,170	217,934
Private:						
Intercity	2,027	447,988	14,336	3.2	433,652	462,324
Urban	3,945	539,731	14,033	2.6	525,698	553,764
Farm	939	136,383	9,001	6.6	127,382	145,384
Total	8,217	1,333,654	24,006	1.8	1,309,648	1,357,660
Weight of goods carried						
		tons	tons		tons	tons
For hire	1,297	27,796	2,335	8.4	25,461	30,131
Private:						
Intercity	1,740	38,755	3,410	8.8	35,345	42,165
Urban	3,085	47,661	3,527	7.4	44,134	51,188
Farm	481	2,102	513	24.4	1,589	2,615
Total	6,603	116,314	5,118	4.4	111,196	121,432
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire	1,297	1,085,124	80,299	7.4	1,004,825	1,165,423
Private:						
Intercity	1,740	1,082,049	64,923	6.0	1,017,126	1,146,972
Urban	3,085	507,302	19,277	3.8	488,025	526,579
Farm	481	40,650	7,642	18.8	33,008	48,292
Total	6,603	2,715,125	103,175	3.8	2,611,950	2,818,300
Revenue earned						
		\$	\$		\$	\$
For hire	1,297	106,009	5,937	5.6	100,072	111,946
B. Interprovincial and international traffic						
Weight of goods carried						
		tons	tons		tons	tons
For hire	180	2,638	285	10.8	2,353	2,923
Private:						
Intercity	83	1,006	223	22.2	783	1,229
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire	180	857,172	106,289	12.4	750,883	963,461
Private:						
Intercity	83	123,975	24,051	19.4	99,924	148,026

¹ Estimates for traffic "inside and outside the province" are considered to be more reliable while the estimates for "intraprovincial" traffic should be equally reliable.

Note: The chances are 95 out of 100 that the range (sample estimate \pm sampling variability) contains the true value. Consider "total mileage travelled" by for-hire trucks. It can be assumed that the computed figure, 209,552,000 miles, will not be more than 8,382,000 miles (plus or minus 4.0 per cent of 209,552,000) away from the "true" value in 95 out of 100 cases. In other words, the chances are 95 out of 100 that the true value will fall within a range of 201,170,000 to 217,934,000.

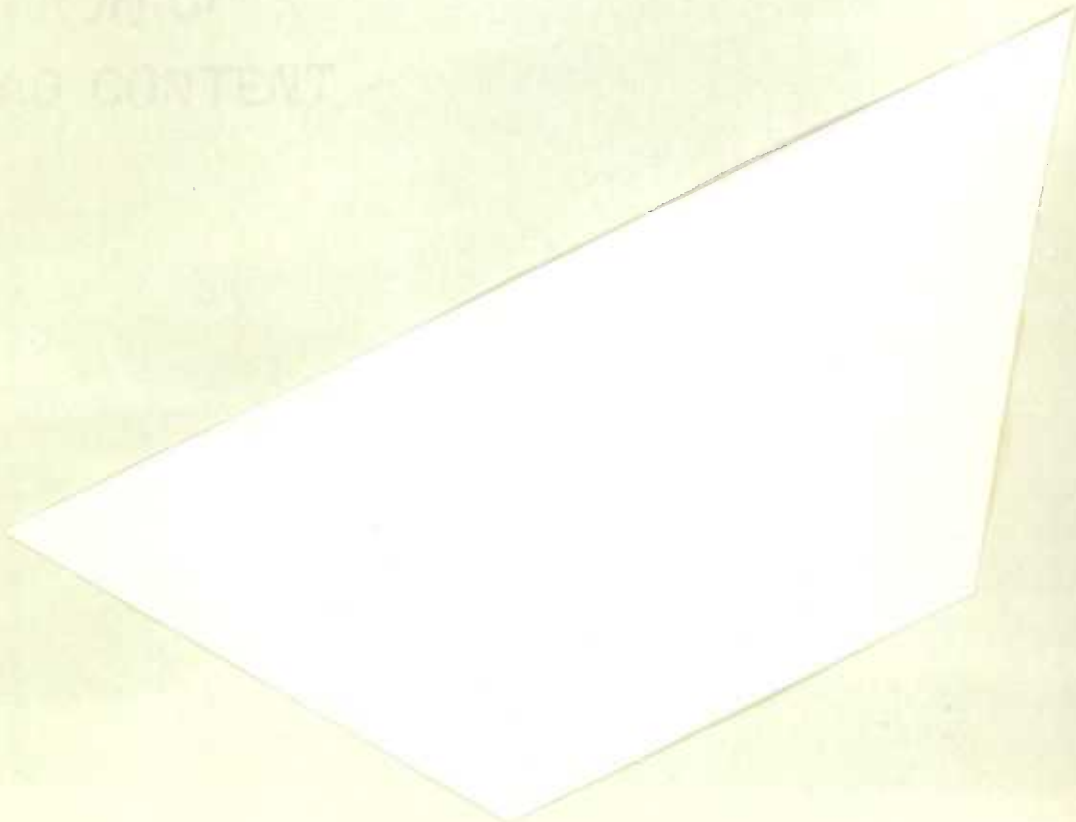


HOWARD SMITH

BELL-FAST BOND



HAD CONTENT



STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010529412

BEFF-EAST BOND
HOWARD SMITH



1940-1941

