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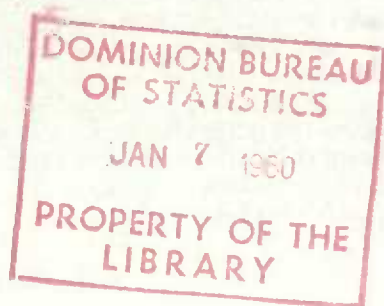
ANNUAL

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CANADA

MOTOR TRANSPORT TRAFFIC
PROVINCE OF BRITISH COLUMBIA
1958



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TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation	4
2. Net Ton Miles by Type of Operation	4
Introduction	5
Section I. Traffic Performed by British Columbia 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 British Columbia 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 British Columbia 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 British Columbia 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
Section V. Traffic Performed by British Columbia Registered Buses Inside and Outside the Province, January 1-December 31, 1958.	
Table 1. By Passenger Seating Capacity	11
Section VI. Traffic Performed by British Columbia Registered Buses Within the Province, January 1-December 31, 1958.	
Table 1. By Passenger Seating Capacity	12
Appendix 1. A. Population B. Survey Response	12
Appendix 2. Reliability of Motor Transport Traffic Statistics	13

PROVINCE OF BRITISH COLUMBIA

JANUARY 1-DECEMBER 31, 1958

CHART - 1 TRUCK REGISTRATIONS BY TYPE OF OPERATION

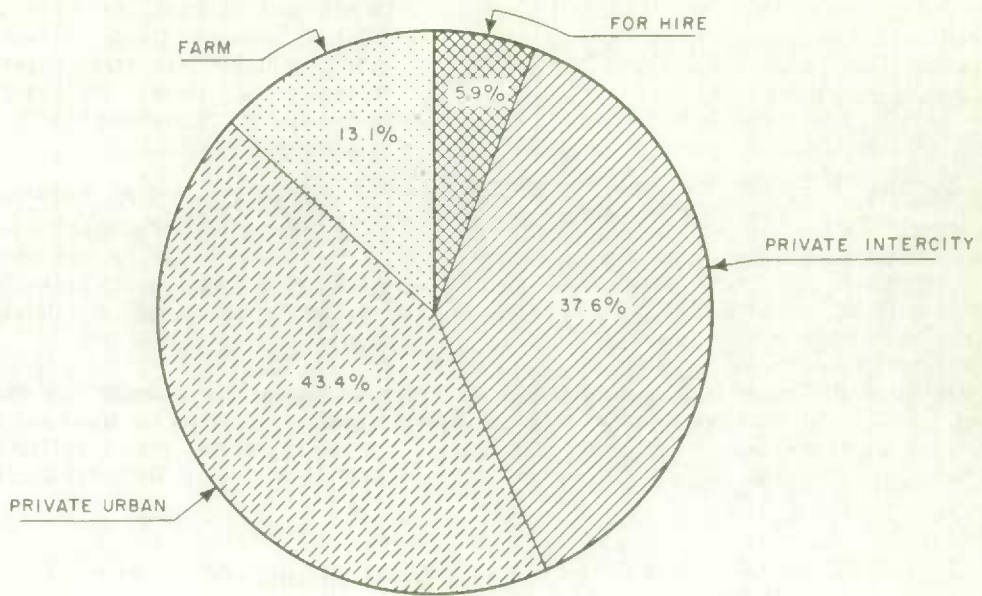
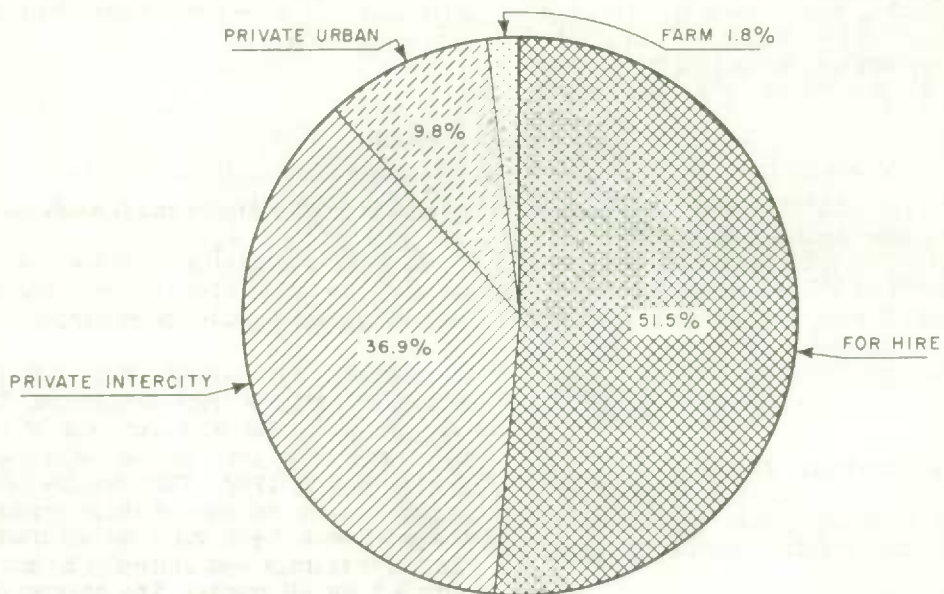


CHART - 2 NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1958 annual report of motor transport traffic in the Province of British Columbia is based upon a sample of approximately 10 per cent of trucks and 51 per cent of intercity buses 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 and buses registered in the province are represented except: (a) those not engaged in transportation services; (b) buses utilized for scheduled urban transit and school buses; (c) 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.

Since for-hire trucks ("E", "G", "H", "J" carriers) are the only class to be registered separately in British Columbia, it was necessary to use completed questionnaires to classify privately operated vehicles in the sample as "intercity", "urban" and "farm".

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 British Columbia during the year was 89,876. Of these, 5,301 or 5.9 per cent were for-hire carriers; 33,792 or 37.6 per cent were private intercity vehicles; 39,043 or 43.4 per cent were private vehicles operating predominantly within urban areas; and 11,740 or 13.1 per cent were farm trucks.

For-hire truck transport statistics in 1958 indicate a lower level of activity as compared with 1957. This has been caused partly by work stoppages occurring in the province during the year.

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 British Columbia registered trucks both inside and outside the province.

Although comprising only 5.9 per cent of British Columbia's truck population, for-hire vehicles accounted for 51.5 per cent of total net ton miles and 32.9 per cent of total tons of goods carried during 1958. This results from the high average yearly mileage of these trucks, 16,500 as compared with 7,400 miles for all trucks, and from the heavy average load carried (8.8 tons as compared with 4.2 for all trucks). The heavier loads carried by for-hire trucks are to be expected since almost two-thirds 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 6.2 as compared with a ratio of 10.8 for all trucks.

Some trucks in British Columbia are used essentially for personal transportation. Such vehicles account for about 28 per cent of the total mileage travelled by British Columbia registered trucks.

Section II: Traffic Within the Province

This section presents estimates of traffic performed by British Columbia 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 34.5 per cent and private intercity 35.1 per cent of their total net ton miles outside of British Columbia.

Section III: Intraprovincial Traffic

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

It is estimated that of the total net ton miles performed by for-hire trucks, manufactured products accounted for 33.9 per cent. Forest products accounted for 39.2 per cent of the total net ton miles performed by private intercity vehicles.

Section IV: Interprovincial and International Traffic

Estimates indicate that almost one-half of the total tons of goods carried by British Columbia registered for-hire trucks in interprovincial and international traffic was transferred to or from the United States; and, that more than one-third of the total net ton miles performed and almost one-fourth of the revenue earned by for-hire trucks was in interprovincial and international traffic.

Sections V and VI: Intercity Bus Traffic

Section V provides estimates of intercity bus traffic both inside and outside the province while Section VI covers traffic within the province only. Comparing these two sections it is apparent that almost 20 per cent of the total passenger miles performed and 18 per cent of the revenue earned by British Columbia registered buses was estimated to be outside the boundaries of the province. This situation occurs because a large percentage of buses were licensed in other provinces as well and travelled extensively outside the province during the survey weeks.

Appendix 1

During the year survey questionnaires were sent to the owners or operators of 9,408 trucks. Of this number 4,544 questionnaires were returned completed and 2,274 trucks were reported not used during the survey week. In addition 1,439 questionnaires were returned with insufficient information. Non-response totalled 1,151 or 12.2 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 misstatements. 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.

November 5, 1959.

SECTION 1. TRAFFIC PERFORMED BY BRITISH COLUMBIA 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	87,599	274,399	244,092	57,256	663,346
Average yearly mileage per truck	16,500	8,100	6,300	4,900	7,400
Average distance each ton was carried	43.2	30.8	6.7	16.1	27.6
Percentage of total mileage travelled empty	29.7	67.6	65.1	74.3	62.3
Fuel:					
Total gallons of gasoline consumed..... '000	11,209	23,579	19,892	4,344	59,024
Miles per gallon of gasoline.....	6.2	11.3	12.3	13.2	10.8
Total gallons of diesel oil consumed..... '000	3,316	1,535	—	—	4,853
Miles per gallon of diesel oil.....	5.3	5.2	—	—	5.3
Total gallons of other fuel consumed..... '000	—	172	—	—	172
Miles per gallon of other fuel.....	—	6.1	—	—	6.1
Weight of goods carried:					
Total tons of goods carried..... '000	12,547	12,601	11,890	1,050	38,088
Average weight carried ¹ ton	8.8	4.4	1.2	1.3	4.2
Net ton miles:					
Total net ton miles performed..... '000	541,869	387,989	103,141	19,005	1,052,004
Average net ton miles per truck.....	102,200	11,500	2,600	1,600	11,700
Capacity ton miles:					
Total capacity ton miles ² '000	1,118,113	948,131	434,395	79,626	2,580,265
Average capacity ton miles per truck.....	210,900	28,100	11,100	6,800	28,700
Percentage of capacity utilized.....	48.5	40.9	23.7	23.9	40.8
Gross ton miles:					
Total gross ton miles ³ '000	1,235,692	1,155,635	666,107	124,923	3,182,357
Average gross ton miles per truck.....	233,100	34,200	17,100	10,600	35,400
Revenue:					
Total revenue..... \$'000	47,742	—	—	—	—
Revenue per ton mile..... ¢	8.8	—	—	—	—
Revenue per mile (total mileage travelled)..... ¢	54.5	—	—	—	—
Average revenue per truck..... \$	9,000	—	—	—	—
Average annual population.....	5,301	33,792	39,043	11,740	89,878

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	250,266	228,866	28,675	20,047	47,634	89,856	663,346
Average yearly mileage per truck	6,200	7,100	5,600	6,200	9,900	21,000	7,400
Average distance each ton was carried	17.2	16.6	14.1	12.7	13.1	44.6	27.6
Percentage of total mileage travelled empty	79.6	66.7	37.8	35.9	38.1	29.4	62.3
Fuel:							
Total gallons of gasoline consumed..... '000	16,083	18,315	3,033	2,504	7,304	11,785	59,024
Miles per gallon of gasoline.....	15.6	12.4	9.5	7.9	6.5	5.4	10.8
Total gallons of diesel oil consumed..... '000	—	—	—	—	—	4,853	4,853
Miles per gallon of diesel oil.....	—	—	—	—	—	5.3	5.3
Total gallons of other fuel consumed..... '000	—	—	—	21	12	139	172
Miles per gallon of other fuel.....	—	—	—	8.2	5.8	5.8	6.1
Weight of goods carried:							
Total tons of goods carried..... '000	745	2,584	3,139	3,145	11,484	16,991	38,088
Average weight carried ¹ ton	0.3	0.6	2.5	3.1	5.1	12.0	4.2
Net ton miles:							
Total net ton miles performed..... '000	12,816	42,930	44,219	39,995	150,855	761,189	1,052,004
Average net ton miles per truck.....	300	1,300	8,600	12,400	31,200	178,100	11,700
Capacity ton miles:							
Total capacity ton miles ² '000	188,990	272,960	113,255	109,984	382,042	1,515,034	2,580,265
Average capacity ton miles per truck.....	4,700	8,500	21,900	34,100	79,000	354,500	28,700
Percentage of capacity utilized.....	6.9	15.7	39.0	36.4	39.5	50.2	40.6
Gross ton miles:							
Total gross ton miles ³ '000	396,522	544,146	139,033	118,497	380,857	1,603,302	3,182,357
Average gross ton miles per truck.....	9,900	18,900	28,900	36,700	78,600	375,100	35,400
Average annual population.....	40,216	32,163	5,163	3,226	4,834	4,274	89,878

See footnotes page 9.

TABLE 3. Selected Statistics by Gross Vehicle Weight Groups

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	¢
20,000 lbs. and under.....	1,332	10,723	18,636	1.7	14.0	6,008	32.2
20,001-30,000 lbs.....	4,157	11,318	53,133	4.7	12.8	7,345	13.8
30,001-50,000 lbs.....	3,949	13,667	114,457	8.4	29.0	10,957	9.6
50,001 lbs. and over.....	3,109	25,849	355,643	13.8	114.4	23,432	6.6
Total.....	12,547	61,557	541,889	8.8	43.2	47,742	8.8
	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.....	921	46,204	22,360	0.5	24.3		
10,001-20,000 lbs.....	1,981	10,709	35,477	3.3	17.9		
20,001-30,000 lbs.....	3,911	11,191	66,863	6.0	17.1		
30,001 lbs. and over.....	5,788	20,706	263,289	12.7	45.5		
Total.....	12,601	88,810	387,989	4.4	30.8		

SECTION II. TRAFFIC PERFORMED BY BRITISH COLUMBIA 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	70,031	260,479	244,092	57,256	631,858
Average yearly mileage per truck.....		13,200	7,700	6,300	4,900	7,000
Average distance each ton was carried.....		28.6	20.1	8.7	18.1	19.3
Percentage of total mileage travelled empty.....		32.4	70.3	65.1	74.3	64.5
Fuel:						
Total gallons of gasoline consumed.....	'000	9,944	22,472	19,892	4,344	56,652
Miles per gallon of gasoline.....		6.3	11.5	12.3	13.2	11.0
Total gallons of diesel oil consumed.....	'000	1,271	497	—	—	1,768
Miles per gallon of diesel oil.....		5.4	4.8	—	—	5.3
Total gallons of other fuel consumed.....	'000	—	119	—	—	119
Miles per gallon of other fuel.....		—	6.3	—	—	6.3
Weight of goods carried:						
Total tons of goods carried.....	'000	12,398	12,529	11,890	1,050	37,867
Average weight carried ¹	ton	7.5	3.3	1.2	1.3	3.2
Net ton miles:						
Total net tons miles performed.....	'000	354,981	251,901	103,141	19,005	729,028
Average net ton miles per truck.....		67,000	7,500	2,600	1,600	8,100
Capacity ton miles:						
Total capacity ton miles ²	'000	821,208	747,993	434,395	79,626	2,083,222
Average capacity ton miles per truck.....		154,900	22,100	11,100	6,800	23,200
Percentage of capacity utilized.....		43.2	33.7	23.7	23.9	35.0
Gross ton miles:						
Total gross ton miles ³	'000	853,741	913,297	686,107	124,923	2,558,068
Average gross ton miles per truck.....		161,100	27,000	17,100	10,600	28,500
Revenue:						
Total revenue.....	\$'000	36,245	—	—	—	—
Revenue per ton mile.....	¢	10.2	—	—	—	—
Revenue per mile (total mileage travelled).....	¢	51.8	—	—	—	—
Average revenue per truck.....	\$	6,800	—	—	—	—
Average annual population.....		5,301	33,792	39,043	11,740	69,876

See footnotes page 9.

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	248,135	226,153	27,966	20,047	46,530	63,027	631,858
Average yearly mileage per truck.....	6,200	7,000	5,400	6,200	9,600	14,700	7,000
Average distance each ton was carried.....	16.0	16.6	13.6	12.7	12.6	26.6	19.3
Percentage of total mileage travelled empty.....	80.2	66.7	37.9	35.9	38.0	35.0	64.5
Fuel:							
Total gallons of gasoline consumed..... '000	15,912	16,268	2,955	2,504	7,107	9,906	56,652
Miles per gallon of gasoline.....	15.6	12.4	9.5	7.9	6.5	5.4	11.0
Total gallons of diesel oil consumed..... '000	—	—	—	—	—	1,768	1,768
Miles per gallon of diesel oil.....	—	—	—	—	—	5.3	5.3
Total gallons of other fuel consumed..... '000	—	—	—	21	12	86	119
Miles per gallon of other fuel.....	—	—	—	8.2	5.8	6.0	6.3
Weight of goods carried:							
Total tons of goods carried..... '000	745	2,584	9,137	3,145	11,467	16,789	37,867
Average weight carried ¹ ton	0.2	0.6	2.5	3.1	5.0	10.9	3.2
Net ton miles:							
Total net ton miles performed..... '000	11,921	42,851	42,630	39,985	145,044	446,587	729,028
Average net ton miles per truck.....	300	1,300	8,300	12,400	30,000	104,500	6,100
Capacity ton miles:							
Total capacity ton miles ² '000	185,195	272,236	109,911	109,964	369,141	1,036,755	2,083,222
Average capacity ton miles per truck.....	4,600	8,500	21,300	34,100	76,400	242,600	23,200
Percentage of capacity utilized.....	6.4	15.7	38.8	36.4	39.3	43.1	35.0
Gross ton miles:							
Total gross ton miles ³ '000	387,165	532,822	134,736	118,497	369,773	1,015,075	2,556,068
Average gross ton miles per truck.....	9,600	16,600	26,100	36,700	76,500	237,500	28,500
Average annual population.....	40,216	32,163	5,163	3,226	4,834	4,274	89,876

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 BRITISH COLUMBIA REGISTERED TRUCKS
JANUARY 1 - DECEMBER 31, 1958

TABLE 1. Selected Statistics of Intercity Traffic by Gross Vehicle Weight Groups

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	¢
20,000 lbs. and under.....	525	4,001	10,403	2.6	19.8	2,072	19.9
20,001-30,000 lbs.....	2,216	7,092	35,517	5.0	16.0	4,580	12.9
30,001-50,000 lbs.....	2,165	8,089	73,761	9.1	34.1	6,275	8.5
50,001 lbs. and over.....	1,850	12,961	159,258	12.3	86.1	12,414	7.8
Total.....	6,756	32,143	278,939	8.7	41.3	25,341	9.1
	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		
10,000 lbs. and under.....	769	37,700	18,723	0.5	24.4		
10,001-20,000 lbs.....	1,723	8,692	29,974	3.4	17.4		
20,001-30,000 lbs.....	3,391	9,885	57,643	5.8	17.0		
30,001 lbs. and over.....	4,456	9,511	109,174	11.5	24.5		
Total.....	10,339	65,788	215,514	3.3	20.8		

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	104	472	6,524	13.8	62.4	509	7.8
Animals and animal products	340	2,990	16,562	5.5	48.7	1,603	9.7
Mine products	2,167	1,948	22,163	11.4	10.2	1,667	7.5
Forest products	1,388	3,810	53,610	14.1	38.6	4,188	7.8
Manufactures and miscellaneous	1,613	10,784	94,623	8.8	58.7	7,959	8.4
N.O.S. general freight	1,144	12,139	85,457	7.0	74.7	9,415	11.0
Total	6,756	32,143	278,939	8.7	41.3	25,341	9.1
	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	442	2,123	9,051	4.3	20.5		
Animals and animal products	206	4,101	10,434	2.5	50.5		
Mine products	3,598	3,467	23,963	6.9	6.7		
Forest products	3,591	8,757	84,576	9.7	23.6		
Manufactures and miscellaneous	2,051	39,574	77,110	1.9	37.6		
N.O.S. general freight	451	7,766	10,380	1.3	23.0		
Total	10,339	65,788	215,514	3.3	20.8		

SECTION IV. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY BRITISH COLUMBIA 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 British Columbia	Out of British Columbia	Total	Into British Columbia	Out of British Columbia	Total	Into British Columbia	Out of British Columbia	Total
	'000 tons								
Newfoundland	—	—	—						
Prince Edward Island	—	—	—						
Nova Scotia	—	—	—						
New Brunswick	—	—	—						
Quebec	—	—	—						
Ontario	—	5	5	1	1	1	1	1	1
Manitoba	5	6	11						
Saskatchewan	—	—	—						
Alberta	94	69	163						
Yukon and Northwest Territories	—	5	5						
United States	77	101	178						
Total	176	186	362						

1 Reliable estimates not available.

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	13	418	6,719	16.1	529.2	283	4.2
Animals and animal products	14	852	12,010	14.1	840.9	551	4.6
Mine products	—	—	—	—	—	—	—
Forest products	34	327	5,512	16.9	160.8	250	4.5
Manufactures and miscellaneous	163	7,035	88,388	12.6	540.9	5,603	6.3
N.O.S. general freight	138	6,244	81,371	13.0	591.1	4,841	5.9
Total	362	14,876	194,000	13.0	535.4	11,526	5.9
	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		
Agricultural products	1	1	1	1	1		
Animals and animal products							
Mine products							
Forest products	1	1	1	1	1		
Manufactures and miscellaneous							
N.O.S. general freight							
Total							

¹ Reliable estimates not available.

SECTION V. TRAFFIC PERFORMED BY BRITISH COLUMBIA REGISTERED BUSES INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 - DECEMBER 31, 1958

TABLE 1. By Passenger Seating Capacity

	0-19	20-29	30-39	40 and over	Total
Mileage:					
Total mileage travelled	'000 528	209	6,465	5,933	13,135
Average yearly mileage per bus	26,400	4,300	41,400	54,900	39,400
Average journey (average distance per passenger)	29.5	23.9	48.6	32.2	39.2
Fuel:					
Total gallons of gasoline consumed	'000 52	31	694	475	1,252
Miles per gallon of gasoline	10.1	6.7	7.0	5.3	6.5
Total gallons of diesel oil consumed	'000 —	—	190	386	576
Miles per gallon of diesel oil	—	—	8.5	8.9	8.7
Total gallons of other fuel consumed	'000 —	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—
Passengers and passenger miles:					
Total number of passengers carried	'000 33	119	2,400	2,879	5,431
Total number of passenger miles	'000 961	2,839	116,605	92,636	213,041
Average number of passengers carried per mile	1.8	13.6	18.0	15.6	16.2
Capacity:					
Total capacity seat miles	'000 5,529	5,937	234,445	262,130	508,041
Percentage of capacity utilized	17.4	47.8	49.7	35.3	41.9
Revenue:					
Total passenger revenue	\$'000 66	110	3,176	3,133	6,485
Revenue per mile (total mileage travelled)	¢ 12.5	52.5	49.1	52.8	49.4
Revenue per passenger mile	¢ 6.8	3.9	2.7	3.4	3.0
Revenue per bus	\$ 3,300	2,200	20,400	29,000	19,500

**SECTION VI. TRAFFIC PERFORMED BY BRITISH COLUMBIA REGISTERED BUSES WITHIN THE PROVINCE
JANUARY 1 - DECEMBER 31, 1958**

TABLE 1. By Passenger Seating Capacity

	0-19	20-29	30-39	40 and over	Total
Mileage:					
Total mileage travelled..... '000	528	209	5,788	3,965	10,490
Average yearly mileage per bus.....	26,400	4,300	37,100	36,700	31,500
Average journey (average distance per passenger) ..	29.5	23.9	46.8	23.0	33.7
Fuel:					
Total gallons of gasoline consumed..... '000	52	31	648	433	1,164
Miles per gallon of gasoline..... '000	10.1	6.7	6.9	5.1	6.4
Total gallons of diesel oil consumed..... '000	-	-	163	198	361
Miles per gallon of diesel oil.....	-	-	8.2	8.8	8.5
Total gallons of other fuel consumed..... '000	-	-	-	-	-
Miles per gallon of other fuel.....	-	-	-	-	-
Passengers and passenger miles:					
Total number of passengers carried..... '000	33	119	2,278	2,644	5,074
Total number of passenger miles..... '000	961	2,839	106,604	60,736	171,140
Average number of passengers carried per mile.....	1.8	13.6	18.4	15.3	16.3
Capacity:					
Total capacity seat miles..... '000	5,529	5,937	207,896	177,976	397,338
Percentage of capacity utilized.....	17.4	47.8	51.3	34.1	43.1
Revenue:					
Total passenger revenue..... \$'000	66	110	2,897	2,283	5,356
Revenue per mile (total mileage travelled)..... ¢	12.5	52.5	50.1	57.6	51.1
Revenue per passenger mile..... ¢	6.8	3.9	2.7	3.8	3.1
Revenue per bus..... \$	3,300	2,200	18,600	21,100	16,100

Appendix I

Type of operation	A. Population						Total
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	
Estimated average British Columbia truck population January 1 - December 31, 1958							
For hire.....	74	618	404	701	1,639	1,865	5,301
Private:							
Intercity.....	16,058	12,067	1,578	874	1,577	1,638	33,792
Urban.....	17,720	15,038	2,486	1,516	1,523	760	39,043
Farm.....	6,364	4,440	695	135	95	11	11,740
Total	40,216	32,163	5,163	3,226	4,834	4,274	89,876
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.....	1,140	608		298		234	
Private:							
Intercity.....	3,438	1,620		831		987	
Urban.....	3,854	1,834		933		1,087	
Farm.....	976	482		212		282	
Total	9,408	4,544		2,274		2,590	

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	602	70,031	4,902	7.0	65,129	74,933
Private:						
Intercity	1,613	260,479	12,503	4.8	247,976	272,982
Urban	1,834	244,092	8,299	3.4	235,793	252,391
Farm	482	57,256	5,039	8.8	52,217	62,295
Total	4,531	631,858	16,428	2.6	613,430	648,286
Weight of goods carried						
		tons	tons		tons	tons
For hire	600	12,398	1,736	14.0	10,662	14,134
Private:						
Intercity	816	12,529	1,529	12.2	11,000	14,058
Urban	1,026	11,890	1,332	11.2	10,558	13,222
Farm	309	1,050	347	33.0	703	1,397
Total	2,751	37,867	2,651	7.0	35,216	40,518
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire	600	354,981	37,628	10.6	317,353	392,609
Private:						
Intercity	816	251,901	26,702	10.6	225,199	278,603
Urban	1,026	103,141	8,045	7.8	95,096	111,186
Farm	309	19,005	5,283	27.8	13,722	24,288
Total	2,751	729,028	45,200	6.2	683,828	774,228
Revenue earned						
		\$	\$		\$	\$
For hire	600	36,245	3,190	8.8	33,055	39,435
B. Interprovincial and international traffic						
Weight of goods carried						
		tons	tons		tons	tons
For hire	37	362	84	23.2	278	446
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire	37	194,000	43,456	22.4	150,544	237,456

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 70,031,000 miles, will not be more than 4,902,000 miles (plus or minus 7.0 per cent of 70,031,000) 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 65,129,000 to 74,933,000.



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