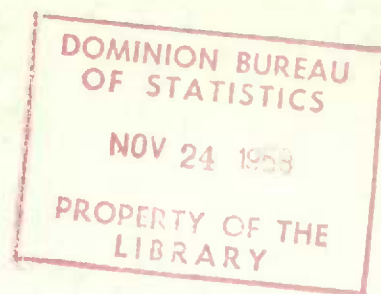


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MOTOR TRANSPORT TRAFFIC STATISTICS
PROVINCE OF BRITISH COLUMBIA
1957

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PROVINCE OF BRITISH COLUMBIA

JANUARY 1 — DECEMBER 31, 1957

CHART — 1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

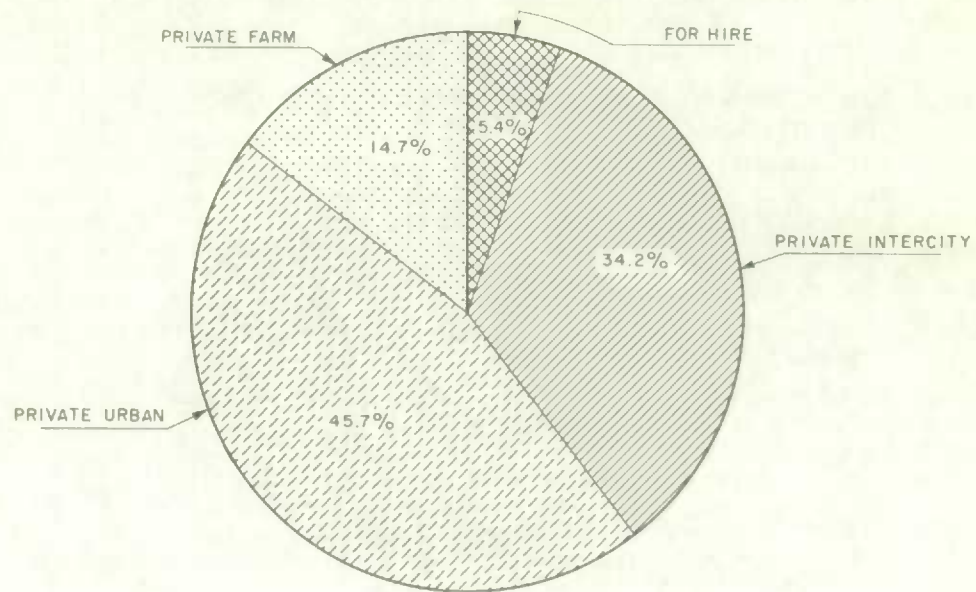
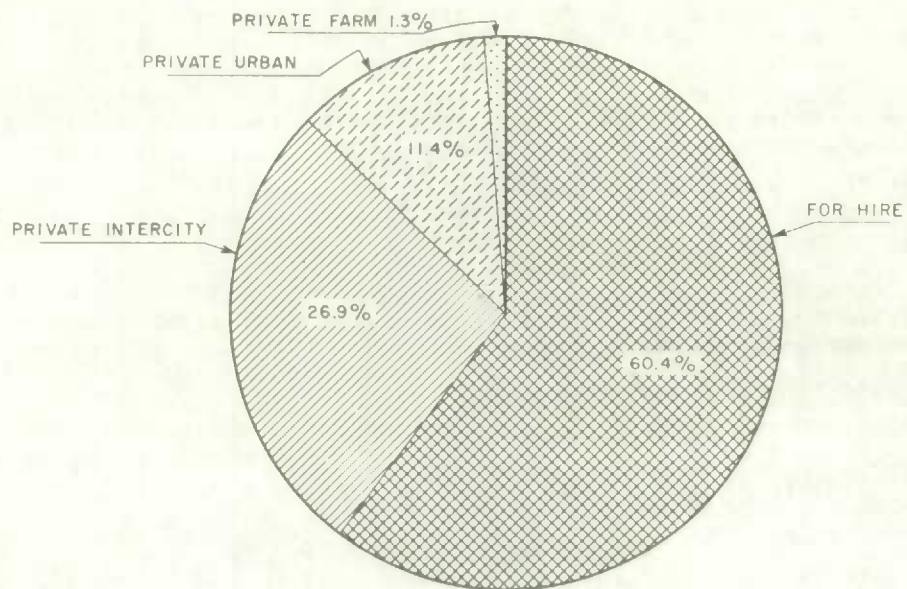


CHART — 2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

Methods Followed in Survey

A sample of approximately 11 per cent of trucks and 18 per cent of intercity buses registered in British Columbia was selected for this annual survey. To allow for seasonal variations in motor transport traffic and to ensure that the sample vehicles represented current registrations in force, the survey was conducted in four quarterly segments with approximately one-fourth of the total sample selected each quarter. Vehicles selected were coded so that a particular vehicle would not be chosen more than once during each licence year. Each quarterly segment of the survey ran for a seven day period, Sunday through Saturday.

All trucks and buses registered in the province are represented with the following exceptions: (a) those not engaged in transportation services; (b) buses utilized for scheduled urban transit or school service; and, (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 were stratified by function or type of operation and by gross vehicle weight groups. The four functional categories used were: for-hire, private intercity, private urban and private farm. For-hire trucks are those operated for compensation or gain anywhere in the province according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods; private urban vehicles are those which are operated predominantly within urban or metropolitan areas; and private farm trucks are those operated by farmers primarily to transport farm produce and supplies.

During 1957, British Columbia altered its licensing system by dropping "L" and "K" carrier licences which were required for those vehicles classified in previous reports as private intercity and farm trucks respectively. Under the new regulations such vehicles together with other privately-operated trucks need only obtain a general "C" licence. It therefore became necessary to classify privately-operated vehicles into intercity, urban and farm categories according to their predominant type of operation as reported for the survey weeks. Vehicles in the sample, therefore, were classified into the four functional categories on the following basis:

For-hire	— "E", "G", "H" and "J" motor carrier licences.
Private-intercity	— "C" licensed vehicles operating predominantly outside urban areas.
Private-urban	— "C" licensed vehicles operating predominantly within urban areas.
Private-farm	— "C" licensed vehicles owned and operated by farmers.

It is known that some "C" licensed trucks are operated for compensation but these vehicles were not included in the for-hire category. The exact number of such vehicles was not known and it is difficult to obtain reliable estimates on the basis of replies to the survey questionnaire. As a result, the data shown throughout this report as "For-hire" is understated and that for the other categories is overstated by the extent of those for-hire vehicles with "C" licences.

Expansion of Survey Results

The distribution of sample vehicles by gross vehicle weight groups and by function was used to provide population estimates as at the time of the sample selection. The sample results were then expanded to represent the operations of all trucks and intercity buses registered in the province during the three month period 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 surveys were added together to obtain provincial estimates for the twelve month period. Yearly operating averages such as average yearly mileage were calculated from the average number of vehicles registered during the twelve month period. All other operating ratios were obtained from the twelve month aggregates.

Response to Survey

During the year survey questionnaires were sent to the owners or operators of 9,388 motor vehicles. Of this number 4,232 were returned completed and 2,510 vehicles were reported not used during the

survey week. In addition, 1,734 questionnaires were returned with insufficient information and were therefore unusable. Non response to the survey totalled 912 or 9.7 per cent.

Review of Survey Results

Excluding vehicles that do not perform transportation services, the average number of trucks registered in British Columbia during the year was 88,284. Of these 4,723 or 5.4 per cent were common or for-hire carriers; 30,229 or 34.2 per cent were private intercity vehicles; 40,313 or 45.7 per cent were private trucks operating predominantly within urban areas; and 13,019 or 14.7 per cent were private farm trucks. Changes in vehicle classification resulting from the previously mentioned alteration of the British Columbia licensing system during 1957 accounts for the large relative increase in the number of vehicles classified as private urban and a proportionate decrease in the number of private intercity vehicles as compared with 1956.

In the tables presented herein, blanks appear in a number of places where no vehicles for these particular weight classifications 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 weight classifications.

Section 1: Traffic Inside and Outside of the Province

Section 1 contains estimates of total traffic performed by all British Columbia registered trucks both inside and outside the province.

From the data presented in this Section it may be observed that although for-hire vehicles were only 5.4 per cent of all trucks registered in British Columbia, they accounted for over sixty per cent of the total net ton miles performed during 1957. This results not only from the comparatively high average yearly mileage of for-hire trucks operating inside and outside of British Columbia (19,600 as opposed to an average of 6,900 miles for all trucks) but also from the heavier average load carried (9.5 tons as compared with an average of 3.8 tons for all trucks). The heavier loads carried by for-hire trucks is to be expected since, as revealed in the appendix, about one-third of these vehicles have a gross vehicle weight of over 15 tons whereas less than three per cent of all other classes combined are in this upper weight group. The predominance of heavier vehicles in the for-hire class also explains the low miles per gallon of gasoline ratio of 6.1 as compared with a ratio of 10.8 for all vehicles.

Section 2: Traffic Within the Province

This section presents estimates of traffic performed by British Columbia registered trucks entirely inside the province excluding the "outside the province" portion of interprovincial and international traffic as well as a small amount of traffic performed entirely outside the province. There is little signif-

icant difference between the data presented in Section 1 and Section 2 for private intercity vehicles. However, it is apparent that for-hire vehicles accumulated about one-third of their total ton miles outside of British Columbia.

Section 3: Intraprovincial Traffic

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

Analysing the distribution of total net ton miles by commodity, it can be seen that for-hire trucks are engaged primarily in transporting manufactured products and general freight. Of the total net ton miles performed by private intercity trucks, forest products accounted for 39.4 per cent while manufactured products amounted to about 32.3 per cent.

Section 4: Interprovincial and International Traffic

Statistics of traffic performed by for-hire and private intercity trucks between British Columbia and other provinces and the United States are included in this section. On the present basis of sampling motor transport traffic, comparatively few British Columbia registered trucks engaging in interprovincial and international traffic are included in these surveys and as a result it has not been possible to obtain entirely reliable estimates of such traffic. Hence the data in this section of the report should be used with considerable caution.

These estimates indicate with some reasonableness, however, that half of the total tons of goods carried by British Columbia registered trucks in interprovincial and international traffic was with the United States; and, that over one-third of the total net ton miles performed and about one-fifth of the revenue earned by for-hire vehicles was in interprovincial and international operations.

Sections 5 and 6: Intercity Bus Traffic

Section 5 presents statistics on intercity bus traffic both inside and outside the province while Section 6 covers traffic within the province only. In comparing these two sections, it can be seen that of a total of 216,175,000 passenger miles performed by British Columbia registered buses, about one-quarter or 49,108,000 passenger miles were accumulated entirely outside the boundaries of the province. Similarly about one-third or 1,848,000 dollars of a total of 5,832,000 dollars were earned while the buses were travelling outside provincial boundaries.

**SECTION I. TRAFFIC PERFORMED BY BRITISH COLUMBIA REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE,
JANUARY 1 - DECEMBER 31, 1957**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	92,549	243,976	219,097	53,768	609,390
Average yearly mileage per truck		19,600	8,100	5,400	4,100	6,900
Average distance each ton was carried		34.4	18.8	6.5	13.0	19.9
Percentage of total mileage travelled empty		32.1	67.9	53.1	69.3	57.3
Fuel:						
Total gallons of gasoline consumed	'000	10,543	20,224	18,781	3,854	53,402
Miles per gallon of gasoline		6.1	11.9	11.7	14.0	10.8
Total gallons of diesel oil consumed	'000	5,306	637	—	—	5,943
Miles per gallon of diesel oil		5.3	4.9	—	—	5.2
Total gallons of other fuel consumed	'000	125	51	—	—	176
Miles per gallon of other fuel		5.0	8.1	—	—	5.9
Weight of goods carried:						
Total tons of goods carried	'000	17,252	14,088	17,183	983	49,506
Average weight carried ¹	ton	9.5	3.4	1.1	0.8	3.8
Net ton miles:						
Total net ton miles performed	'000	594,118	264,393	112,284	12,807	983,602
Average net ton miles per truck		125,600	8,700	2,800	1,000	11,100
Capacity ton miles:						
Total capacity ton miles ²	'000	1,207,447	745,132	433,303	65,007	2,450,889
Average capacity ton miles per truck		255,700	24,700	10,700	5,000	27,800
Percentage of capacity utilized		49.2	35.5	25.9	19.7	40.1
Gross ton miles:						
Total gross ton miles ³	'000	1,268,805	902,402	605,192	111,211	2,887,610
Average gross ton miles per truck		268,600	29,900	15,000	8,500	32,700
Revenue:						
Total revenue	\$'000	53,775	—	—	—	—
Revenue per ton mile	¢	9.1	—	—	—	—
Revenue per mile (total mileage travelled)	¢	58.1	—	—	—	—
Average revenue per truck	\$	11,400	—	—	—	—

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	231,323	187,461	30,124	29,162	48,801	82,519	609,390
Average yearly mileage per truck	5,700	6,300	5,800	7,100	10,400	20,600	6,900
Average distance each ton was carried	18.9	13.7	8.4	12.4	9.6	34.6	19.9
Percentage of total mileage travelled empty	72.2	59.6	40.1	37.7	39.5	33.9	57.3
Fuel:							
Total gallons of gasoline consumed '000	14,934	14,048	3,199	3,603	7,263	10,355	53,402
Miles per gallon of gasoline	15.5	13.3	9.4	8.1	6.5	5.0	10.8
Total gallons of diesel oil consumed '000	—	—	—	—	195	5,748	5,943
Miles per gallon of diesel oil	—	—	—	—	6.3	5.2	5.2
Total gallons of other fuel consumed '000	—	19	6	—	26	125	176
Miles per gallon of other fuel	—	12.7	6.9	—	5.0	5.0	5.9
Weight of goods carried:							
Total tons of goods carried '000	1,191	2,820	5,356	4,434	16,477	19,228	49,506
Average weight carried ¹ ton	0.4	0.5	2.5	3.0	5.3	12.2	3.8
Net ton miles:							
Total net ton miles performed '000	22,524	38,513	45,201	55,115	157,781	664,488	983,602
Average net ton miles per truck	600	1,300	8,800	13,500	33,600	167,200	11,100
Capacity ton miles:							
Total capacity ton miles ² '000	186,937	222,153	113,656	161,413	382,542	1,384,168	2,450,889
Average capacity ton miles per truck	4,600	7,400	22,100	39,400	81,400	348,200	27,800
Percentage of capacity utilized	12.0	17.3	39.8	34.1	41.2	48.0	40.1
Gross ton miles:							
Total gross ton miles ³ '000	375,749	402,677	145,831	173,911	391,604	1,397,838	2,887,610
Average gross ton miles per truck	9,300	13,500	28,300	42,500	83,400	351,700	32,700

See footnotes page 11.

TABLE 3. For Hire Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled	'000	5,895	4,796	5,866	21,518	54,474	92,549
Average yearly mileage per truck	—	10,300	12,700	6,800	14,700	33,200	19,600
Average distance each ton was carried	—	16.8	9.9	16.6	9.5	66.4	34.4
Percentage of total mileage travelled empty	—	27.5	34.1	32.0	38.7	29.9	32.1
Fuel:							
Total gallons of gasoline consumed	'000	507	519	757	3,287	5,473	10,543
Miles per gallon of gasoline	—	11.6	9.3	7.7	6.3	4.9	6.1
Total gallons of diesel oil consumed	'000	—	—	—	142	5,164	5,306
Miles per gallon of diesel oil	—	—	—	—	5.9	5.2	5.3
Total gallons of other fuel consumed	'000	—	—	—	—	125	125
Miles per gallon of other fuel	—	—	—	—	—	5.0	5.0
Weight of goods carried:							
Total tons of goods carried	'000	352	707	846	7,941	7,406	17,252
Average weight carried ¹	ton	1.4	2.2	3.5	5.7	12.9	9.5
Net ton miles:							
Total net ton miles performed	'000	5,936	7,026	14,040	75,631	491,485	594,116
Average net ton miles per truck	—	10,300	18,600	21,100	51,700	299,100	125,800
Capacity ton miles:							
Total capacity ton miles ²	'000	14,413	17,926	36,356	173,154	985,598	1,207,447
Average capacity ton miles per truck	—	25,100	47,400	54,800	118,300	587,700	255,700
Percentage of capacity utilized	—	41.2	39.2	38.6	43.7	50.9	49.2
Gross ton miles:							
Total gross ton miles ³	'000	20,077	23,321	38,089	179,257	1,008,061	1,268,805
Average gross ton miles per truck	—	35,000	61,700	57,400	122,400	613,500	268,600
Revenue:							
Total revenue	\$'000	2,080	2,064	2,852	10,116	36,663	53,775
Revenue per ton mile	¢	35.0	29.4	20.3	13.4	7.5	9.1
Revenue per mile (total mileage travelled)	¢	35.3	43.0	48.6	47.0	67.3	58.4
Average revenue per truck	\$	3,600	5,500	4,300	6,900	22,300	11,400

TABLE 4. Private Intercity Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled	'000	110,602	72,146	9,957	12,524	17,678	243,976
Average yearly mileage per truck	6,900	8,100	7,500	10,800	11,700	15,500	8,100
Average distance each ton was carried	21.5	23.9	10.3	20.1	14.7	22.9	18.8
Percentage of total mileage travelled empty	76.8	75.0	51.7	45.8	40.7	40.4	67.9
Fuel:							
Total gallons of gasoline consumed	'000	6,820	5,040	1,058	1,459	2,494	3,353
Miles per gallon of gasoline	16.2	14.3	9.4	8.6	6.9	5.5	11.9
Total gallons of diesel oil consumed	'000	—	—	—	53	584	637
Miles per gallon of diesel oil	—	—	—	—	7.3	4.7	4.9
Total gallons of other fuel consumed	'000	—	19	6	—	26	51
Miles per gallon of other fuel	—	12.7	6.9	—	5.0	—	8.1
Weight of goods carried:							
Total tons of goods carried	'000	654	382	1,719	1,173	3,955	6,205
Average weight carried ¹	ton	0.6	0.5	3.7	3.5	5.5	11.3
Net ton miles:							
Total net ton miles performed	'000	14,105	9,102	17,652	23,532	58,122	141,880
Average net ton miles per truck	900	1,000	13,200	20,300	38,500	104,200	8,700
Capacity ton miles:							
Total capacity ton miles ²	'000	97,089	79,302	42,423	69,228	139,033	318,057
Average capacity ton miles per truck	6,100	8,900	31,800	59,600	92,200	233,700	745,132
Percentage of capacity utilized	14.5	11.5	41.6	34.0	41.8	44.6	35.5
Gross ton miles:							
Total gross ton miles ³	'000	185,540	144,198	50,508	72,241	143,755	306,160
Average gross ton miles per truck	11,600	16,200	37,900	62,200	95,300	225,000	902,402

See footnotes page 11.

**SECTION II. TRAFFIC PERFORMED BY BRITISH COLUMBIA REGISTERED TRUCKS WITHIN THE PROVINCE,
JANUARY 1 - DECEMBER 31, 1957**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	73, 197	239, 645	219, 097	53, 768	585, 707
Average yearly mileage per truck		15, 500	7, 900	5, 400	4, 100	6, 600
Average distance each ton was carried		22. 5	16. 7	6. 5	13. 0	15. 1
Percentage of total mileage travelled empty		34. 9	68. 7	53. 1	69. 3	58. 7
Fuel:						
Total gallons of gasoline consumed	'000	9, 563	19, 537	18, 781	3, 854	51, 735
Miles per gallon of gasoline		6. 1	12. 1	11. 7	14. 0	11. 0
Total gallons of diesel oil consumed	'000	2, 773	586	—	—	3, 359
Miles per gallon of diesel oil		5. 2	5. 0	—	—	5. 2
Total gallons of other fuel consumed	'000	62	51	—	—	113
Miles per gallon of other fuel		5. 0	8. 1	—	—	6. 4
Weight of goods carried:						
Total tons of goods carried	'000	17, 161	14, 054	17, 183	983	49, 381
Average weight carried ¹	ton	8. 1	3. 1	1. 1	0. 8	3. 1
Net ton miles:						
Total net ton miles performed	'000	386, 333	234, 275	112, 284	12, 807	745, 699
Average net ton miles per truck		81, 800	7, 800	2, 800	1, 000	8, 400
Capacity ton miles:						
Total capacity ton miles ²	'000	866, 783	699, 637	433, 303	65, 007	2, 064, 730
Average capacity ton miles per truck		183, 500	23, 100	10, 700	5, 000	23, 400
Percentage of capacity utilized		44. 6	33. 5	25. 9	19. 7	36. 1
Gross ton miles:						
Total gross ton miles ³	'000	873, 551	846, 305	605, 192	111, 211	2, 436, 259
Average gross ton miles per truck		185, 000	28, 000	15, 000	6, 500	27, 600
Revenue:						
Total revenue	\$'000	41, 620	—	—	—	—
Revenue per ton mile	¢	10. 6	—	—	—	—
Revenue per mile (total mileage travelled)	¢	56. 9	—	—	—	—
Average revenue per truck	\$	8, 800	—	—	—	—

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	231, 323	187, 367	29, 618	29, 162	46, 962	585, 707
Average yearly mileage per truck		5, 700	6, 300	5, 800	7, 100	10, 000	6, 600
Average distance each ton was carried		18. 9	13. 7	8. 4	12. 4	9. 1	15. 1
Percentage of total mileage travelled empty		72. 2	59. 6	39. 9	37. 7	40. 2	58. 7
Fuel:							
Total gallons of gasoline consumed	'000	14, 934	14, 039	3, 139	3, 603	7, 007	51, 735
Miles per gallon of gasoline		15. 5	13. 3	9. 4	8. 1	6. 5	11. 0
Total gallons of diesel oil consumed	'000	—	—	—	—	163	3, 359
Miles per gallon of diesel oil		—	—	—	—	6. 2	5. 2
Total gallons of other fuel consumed	'000	—	19	6	—	26	113
Miles per gallon of other fuel		—	12. 7	6. 9	—	5. 0	6. 4
Weight of goods carried:							
Total tons of goods carried	'000	1, 191	2, 820	5, 352	4, 434	16, 458	49, 381
Average weight carried ^a	ton	0. 4	0. 5	2. 5	3. 0	5. 3	3. 1
Net ton miles:							
Total net ton miles performed	'000	22, 524	38, 496	44, 834	55, 115	149, 620	745, 699
Average net ton miles per truck		600	1, 300	8, 700	13, 500	31, 600	8, 400
Capacity ton miles:							
Total capacity ton miles ^a	'000	186, 937	222, 065	112, 797	161, 413	368, 406	2, 064, 730
Average capacity ton miles per truck		4, 600	7, 400	21, 900	39, 400	78, 400	23, 400
Percentage of capacity utilized		12. 0	17. 3	39. 7	34. 1	40. 6	36. 1
Gross ton miles:							
Total gross ton miles ^a	'000	375, 749	402, 497	143, 203	173, 911	374, 537	2, 436, 259
Average gross ton miles per truck		9, 300	13, 500	27, 800	42, 500	79, 700	27, 600

See footnotes page 11.

TABLE 3. For Hire Trucks by Gross Vehicle Weight Groups

	0 - 2½ tons	2½ - 5 tons	5 - 7½ tons	7½ - 10 tons	10 - 15 tons	Over 15 tons	Total	
Mileage:								
Total mileage travelled	'000	—	5,895	4,796	5,866	21,062	35,578	73,197
Average yearly mileage per truck	—	10,300	12,700	8,800	14,400	21,700	15,500	15,500
Average distance each ton was carried	—	16.8	9.9	16.6	9.3	39.0	22.5	22.5
Percentage of total mileage travelled empty	—	27.5	34.1	32.0	38.8	34.3	34.9	34.9
Fuel:								
Total gallons of gasoline consumed	'000	—	507	519	757	3,253	4,527	9,563
Miles per gallon of gasoline	—	11.6	9.3	7.7	6.3	4.7	6.1	6.1
Total gallons of diesel oil consumed	'000	—	—	—	110	2,663	2,773	2,773
Miles per gallon of diesel oil	—	—	—	—	5.7	5.2	5.2	5.2
Total gallons of other fuel consumed	'000	—	—	—	—	62	62	62
Miles per gallon of other fuel	—	—	—	—	—	5.0	5.0	5.0
Weight of goods carried:								
Total tons of goods carried	'000	—	352	707	846	7,941	7,315	17,161
Average weight carried ¹	ton	—	1.4	2.2	3.5	5.7	12.2	8.1
Net ton miles:								
Total net ton miles performed	'000	—	5,936	7,026	14,040	73,712	285,619	386,333
Average net ton miles per truck	—	10,300	18,600	21,100	50,400	173,800	81,800	81,800
Capacity ton miles:								
Total capacity ton miles ²	'000	—	14,413	17,928	36,356	169,455	628,633	866,783
Average capacity ton miles per truck	—	25,100	47,400	54,800	115,700	382,600	183,500	183,500
Percentage of capacity utilized	—	41.2	39.2	38.6	43.5	45.4	44.6	44.6
Gross ton miles:								
Total gross ton miles ³	'000	—	20,077	23,321	38,089	175,152	616,912	873,551
Average gross ton miles per truck	—	35,000	61,700	57,400	119,600	375,500	185,000	185,000
Revenue:								
Total revenue	\$'000	—	2,080	2,064	2,852	9,964	24,660	41,620
Revenue per ton mile	¢	—	35.0	29.4	20.3	13.5	6.6	10.8
Revenue per mile (total mileage travelled)	¢	—	35.3	43.0	48.6	47.3	69.3	56.9
Average revenue per truck	\$	—	3,600	5,500	4,300	6,800	15,000	9,800

TABLE 4. Private Intercity Trucks by Gross Vehicle Weight Groups

	0 - 2½ tons	2½ - 5 tons	5 - 7½ tons	7½ - 10 tons	10 - 15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled '000	110,602	72,052	9,451	12,524	16,295	18,721	239,645
Average yearly mileage per truck	6,900	8,100	7,100	10,800	10,800	13,800	7,900
Average distance each ton was carried	21.5	23.8	10.1	20.1	13.2	19.1	16.7
Percentage of total mileage travelled empty	76.8	75.1	51.7	45.8	42.5	42.9	68.7
Fuel:							
Total gallons of gasoline consumed '000	6,820	5,031	998	1,459	2,272	2,957	19,537
Miles per gallon of gasoline	16.2	14.3	9.4	8.6	6.9	5.5	12.1
Total gallons of diesel oil consumed '000	—	—	—	—	53	533	586
Miles per gallon of diesel oil	—	—	—	—	7.3	4.7	5.0
Total gallons of other fuel consumed '000	—	19	6	—	26	—	51
Miles per gallon of other fuel	—	12.7	6.9	—	5.0	—	8.1
Weight of goods carried:							
Total tons of goods carried '000	654	382	1,715	1,173	3,936	6,194	14,054
Average weight carried ¹	0.8	0.5	3.8	3.5	5.5	11.1	3.1
Net ton miles:							
Total net ton miles performed '000	14,105	9,085	17,285	23,532	51,900	118,368	234,275
Average net ton miles per truck	900	1,000	13,000	20,300	34,400	87,000	7,800
Capacity ton miles:							
Total capacity ton miles ² '000	97,089	79,214	41,564	69,228	128,596	283,946	699,637
Average capacity ton miles per truck	6,100	8,900	31,200	59,600	85,300	208,600	23,100
Percentage of capacity utilized	14.5	11.5	41.6	34.0	40.4	41.7	33.5
Gross ton miles:							
Total gross ton miles ³ '000	185,540	144,018	47,880	72,241	130,793	265,833	846,305
Average gross ton miles per truck	11,600	16,200	35,900	62,200	86,700	195,300	28,900

See footnotes page 11.

TABLE 5. Private Urban Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled	'000 88,812	91,678	12,633	9,634	9,364	6,976	219,097
Average yearly mileage per truck	5,100	5,800	4,600	5,100	5,700	7,300	5,400
Average distance each ton was carried	17.6	11.1	6.4	6.9	5.1	5.5	6.5
Percentage of total mileage travelled empty	66.8	47.4	30.7	29.0	39.1	46.2	53.1
Fuel:							
Total gallons of gasoline consumed	'000 5,991	7,218	1,359	1,233	1,451	1,529	18,781
Miles per gallon of gasoline	14.8	12.7	9.3	7.8	6.5	4.6	11.7
Total gallons of diesel oil consumed	'000 —	—	—	—	—	—	—
Miles per gallon of diesel oil	—	—	—	—	—	—	—
Total gallons of other fuel consumed	'000 —	—	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000 318	1,780	2,610	2,312	4,546	5,617	17,183
Average weight carried ¹	ton 0.2	0.4	1.9	2.3	4.1	8.3	1.1
Net ton miles:							
Total net ton miles performed	'000 5,602	19,788	16,750	15,837	23,184	31,123	112,284
Average net ton miles per truck	300	1,300	6,100	8,300	14,100	32,400	2,800
Capacity ton miles:							
Total capacity ton miles ²	'000 65,081	106,466	42,915	49,921	68,387	100,533	433,303
Average capacity ton miles per truck	3,800	6,800	15,700	26,200	41,400	104,500	10,700
Percentage of capacity utilized	8.6	18.6	39.0	31.7	33.9	31.0	25.9
Gross ton miles:							
Total gross ton miles ³	'000 137,878	200,403	59,172	57,327	66,795	83,617	605,192
Average gross ton miles per truck	7,900	12,700	21,700	30,100	40,500	86,900	15,000

TABLE 6. Private Farm Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled	'000 31,909	17,742	2,738	1,138	241	—	53,768
Average yearly mileage per truck	4,400	3,800	3,800	3,200	3,200	—	4,100
Average distance each ton was carried	12.9	12.0	11.8	16.6	23.5	—	13.0
Percentage of total mileage travelled empty	71.1	70.3	51.5	53.0	49.7	—	69.3
Fuel:							
Total gallons of gasoline consumed	'000 2,123	1,283	263	154	31	—	3,854
Miles per gallon of gasoline	15.0	13.8	10.4	7.4	7.8	—	14.0
Total gallons of diesel oil consumed	'000 —	—	—	—	—	—	—
Miles per gallon of diesel oil	—	—	—	—	—	—	—
Total gallons of other fuel consumed	'000 —	—	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000 219	306	320	103	35	—	983
Average weight carried ¹	ton 0.3	0.7	2.8	3.2	6.8	—	0.6
Net ton miles:							
Total net ton miles performed	'000 2,817	3,687	3,773	1,708	824	—	12,807
Average net ton miles per truck	400	800	5,300	4,700	10,800	—	1,000
Capacity ton miles:							
Total capacity ton miles ²	'000 24,767	21,972	10,392	5,908	1,968	—	65,007
Average capacity ton miles per truck	3,400	4,700	14,500	16,400	25,900	—	5,000
Percentage of capacity utilized	11.4	16.8	36.3	28.9	41.8	—	19.7
Gross ton miles:							
Total gross ton miles ³	'000 52,331	37,999	12,830	6,254	1,797	—	111,211
Average gross ton miles per truck	7,300	8,100	17,900	17,400	23,700	—	8,500

¹ Ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.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.

TABLE 7. 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	¢
10,000 lbs. and under	352	4,271	5,936	1.4	16.8	2,080	35.0
10,001-20,000 lbs.	1,553	7,147	21,066	2.9	13.6	4,916	23.3
20,001-30,000 lbs.	7,941	12,882	73,712	5.7	9.3	9,964	13.5
30,001-50,000 lbs.	5,128	8,543	82,220	9.6	16.0	9,170	11.2
50,001 lbs. and over	2,187	14,833	203,399	13.7	93.0	15,490	7.6
Total	17,161	47,676	386,333	8.1	22.5	41,620	10.8
	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	1,036	43,593	23,190		0.5		22.4
10,001-20,000 lbs.	2,888	11,361	40,817		3.6		14.1
20,001-30,000 lbs.	3,936	9,368	51,900		5.5		13.2
30,001-50,000 lbs.	4,886	7,890	77,212		9.8		15.8
50,001 lbs. and over	1,308	2,804	41,156		14.7		31.5
Total	14,054	75,016	234,275		3.1		16.7

SECTION III. INTRAPROVINCIAL TRAFFIC PERFORMED BY BRITISH COLUMBIA REGISTERED TRUCKS
JANUARY 1-DECEMBER 31, 1957

TABLE 1. 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	¢
10,000 lbs. and under	74	2,111	3,701	1.8	50.0	531	14.3
10,001-20,000 lbs.	645	2,822	11,060	3.9	17.1	1,904	17.2
20,001-30,000 lbs.	3,941	8,516	52,247	6.1	13.3	6,118	11.7
30,001-50,000 lbs.	2,162	6,130	58,844	9.6	27.2	5,955	10.1
50,001 lbs. and over	1,151	11,120	155,451	14.0	135.0	12,246	7.9
Total	7,973	30,699	281,303	9.2	35.3	26,734	9.5
	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	936	39,612	21,369		0.5		22.8
10,001-20,000 lbs.	2,713	10,793	39,579		3.7		14.6
20,001-30,000 lbs.	3,748	9,023	50,402		5.6		13.4
30,001-50,000 lbs.	4,216	6,920	68,395		9.9		16.2
50,001 lbs. and over	1,133	2,115	29,875		14.1		26.4
Total	12,746	68,463	209,620		3.1		16.4

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	145	787	5,453	8.2	44.5	636	9.9
Animals and animal products	339	2,717	20,487	7.5	60.4	1,522	7.4
Mine products	4,198	2,516	22,835	9.1	5.4	2,073	9.1
Forest products	1,298	3,533	41,764	11.8	32.2	3,581	8.6
Manufactures and miscellaneous	1,458	12,702	115,213	9.1	79.0	11,090	9.6
N.O.S. general freight	537	8,444	74,551	8.8	138.9	7,852	10.5
Total	7,973	30,699	281,303	9.2	35.3	26,754	9.5
	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	324	2,264	6,641	2.9	20.5		
Animals and animal products	136	2,895	4,869	1.7	35.9		
Mine products	5,790	5,055	36,926	7.3	6.4		
Forest products	4,106	11,184	82,604	7.4	20.1		
Manufactures and miscellaneous	1,813	40,133	67,809	1.7	37.4		
N.O.S. general freight	577	6,932	10,771	1.6	18.7		
Total	12,746	68,463	209,620	3.1	16.4		

SECTION IV. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY BRITISH COLUMBIA REGISTERED TRUCKS
JANUARY 1 - DECEMBER 31, 1957

TABLE 1. Tons of Goods Carried

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									
Quebec	—	1	1	—	—	—	—	1	1
Ontario	13	10	23	3	—	3	16	10	26
Manitoba	—	—	—	2	—	2	2	—	2
Saskatchewan	—	—	—	—	—	—	—	—	—
Alberta	129	32	161	17	20	37	146	52	198
British Columbia	—	—	—	—	—	—	—	—	—
United States	85	153	238	6	22	28	91	175	266
Alaska	—	3	3	—	—	—	—	3	3
Yukon Territory	—	—	—	2	20	22	2	20	22
Total	227	199	426	30	62	92	257	261	518

TABLE 2. 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	¢
10,000 lbs. and under	—	—	—	—	—	—	—
10,001-20,000 lbs.	—	—	—	—	—	—	—
20,001-30,000 lbs.	16	417	2,444	5.9	158.8	220	9.0
30,001-50,000 lbs.	35	3,730	29,741	8.0	853.1	1,149	3.9
50,001 lbs. and over	375	10,224	173,699	17.0	462.9	9,631	5.5
Total	426	14,371	205,884	14.3	483.8	11,000	5.3
	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	102	38	0.4	48.2		
10,001-20,000 lbs.	4	177	356	2.0	90.0		
20,001-30,000 lbs.	13	649	3,636	5.6	267.6		
30,001-50,000 lbs.	52	2,172	20,750	9.6	401.9		
50,001 lbs. and over	22	420	7,528	17.9	335.9		
Total	92	3,520	32,308	9.2	349.8		

TABLE 3. 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	45	1,931	37,014	19.2	834.5	1,124	3.0
Animals and animal products	38	499	12,674	25.4	335.1	837	6.6
Mine products	4	34	589	17.5	143.0	22	3.8
Forest products	61	413	7,438	18.0	122.2	315	4.2
Manufactures and miscellaneous	230	9,482	118,645	12.5	515.4	5,729	4.8
N.O.S. general freight	48	2,012	29,524	14.7	612.9	2,973	10.1
Total	426	14,371	205,884	14.3	483.8	11,000	5.3
	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	8	245	1,291	5.3	168.3		
Animals and animal products	6	313	5,478	17.5	934.3		
Mine products	20	441	4,579	10.4	222.1		
Forest products	29	497	4,676	9.4	161.1		
Manufactures and miscellaneous	25	1,428	13,570	9.5	551.0		
N.O.S. general freight	4	596	2,714	4.6	594.0		
Total	92	3,520	32,308	9.2	349.8		

**SECTION V. TRAFFIC PERFORMED BY BRITISH COLUMBIA REGISTERED BUSES INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 - DECEMBER 31, 1957**

TABLE 1. By Passenger Seating Capacity

	0 - 19	20 - 29	30 - 39	40 and over	Total
Mileage:					
Total mileage travelled '000	367	201	940	12,611	14,119
Average yearly mileage per bus	30,600	12,500	15,700	63,100	49,000
Average journey (average distance per passenger)	34.2	5.7	38.1	27.2	26.3
Fuel:					
Total gallons of gasoline consumed '000	33	31	124	992	1,180
Miles per gallon of gasoline	11.1	6.5	6.7	5.3	5.7
Total gallons of diesel oil consumed '000	—	—	19	801	820
Miles per gallon of diesel oil	—	—	5.7	9.2	9.1
Total gallons of other fuel consumed '000	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—
Passengers and passenger miles:					
Total number of passengers carried '000	25	550	385	7,268	8,228
Total number of passenger miles '000	867	3,146	14,671	197,491	216,175
Average number of passengers carried per mile	2.4	15.7	15.6	15.7	15.3
Capacity:					
Total capacity seat miles '000	2,603	5,653	33,743	666,367	708,366
Percentage of capacity utilized	33.3	55.6	43.5	29.6	30.5
Revenue:					
Total passenger revenue \$'000	56	71	398	5,307	5,832
Revenue per mile (total mileage travelled) ¢	15.2	35.5	42.3	42.1	41.3
Revenue per passenger mile ¢	6.5	2.3	2.7	2.7	2.7
Revenue per bus \$	4,700	4,500	6,600	20,600	20,600

**SECTION VI. TRAFFIC PERFORMED BY BRITISH COLUMBIA REGISTERED BUSES WITHIN THE PROVINCE
JANUARY 1 - DECEMBER 31, 1957**

TABLE 1. By Passenger Seating Capacity

	0 - 19	20 - 29	30 - 39	40 and over	Total
Mileage:					
Total mileage travelled '000	367	201	835	8,220	9,623
Average yearly mileage per bus	30,600	12,500	13,900	41,100	33,400
Average journey (average distance per passenger)	34.2	5.7	37.6	22.7	22.1
Fuel:					
Total gallons of gasoline consumed '000	33	31	124	969	1,157
Miles per gallon of gasoline	11.1	6.5	6.7	5.2	5.6
Total gallons of diesel oil consumed '000	—	—	—	341	341
Miles per gallon of diesel oil	—	—	—	9.2	9.2
Total gallons of other fuel consumed '000	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—
Passengers and passenger miles:					
Total number of passengers carried '000	25	550	327	6,645	7,547
Total number of passenger miles '000	867	3,146	12,302	150,752	167,067
Average number of passengers carried per mile	2.4	15.7	14.7	18.3	17.4
Capacity:					
Total capacity seat miles '000	2,603	5,653	29,826	438,913	476,995
Percentage of capacity utilized	33.3	55.6	41.2	34.3	35.0
Revenue:					
Total passenger revenue \$'000	56	71	345	3,512	3,984
Revenue per mile (total mileage travelled) ¢	15.2	35.5	41.3	42.7	41.4
Revenue per passenger mile ¢	6.5	2.3	2.8	2.3	2.4
Revenue per bus \$	4,700	4,500	5,700	17,600	13,800



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APPENDIX
Sampling Results

Type of operation	Gross vehicle weight groups						
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Estimated average British Columbia truck population January 1-December 31, 1957							
For hire	—	574	378	664	1,464	1,643	4,723
Private:							
Intercity	15,985	8,880	1,333	1,162	1,508	1,361	30,229
Urban	17,351	15,719	2,725	1,906	1,650	962	40,313
Farm	7,195	4,664	715	360	76	9	13,019
Total	40,531	29,837	5,151	4,092	4,698	3,975	88,284
Total number of trucks selected in samples							
For hire	—	66	80	137	411	444	1,138
Private:							
Intercity	908	902	195	184	472	439	3,100
Urban	994	1,590	399	298	515	281	4,077
Farm	410	472	104	60	24	3	1,073
Total	2,312	3,030	778	679	1,422	1,167	9,388
Number of questionnaires returned completed							
For hire	—	39	58	74	239	242	652
Private:							
Intercity	421	415	70	74	178	177	1,335
Urban	455	725	144	121	191	119	1,755
Farm	200	221	37	24	8	—	490
Total	1,076	1,400	309	293	616	538	4,232
Number of sampled trucks reported not in use during the survey week							
For hire	—	8	11	42	102	98	261
Private:							
Intercity	206	206	70	62	170	143	857
Urban	224	371	141	99	191	91	1,117
Farm	90	109	40	21	13	2	275
Total	520	694	262	224	476	334	2,510
Number of questionnaires returned incomplete and unusable							
For hire	—	11	9	15	48	65	148
Private:							
Intercity	187	188	34	30	80	75	594
Urban	208	331	69	49	85	48	790
Farm	78	94	17	10	2	1	202
Total	473	624	129	104	215	189	1,734
Number of questionnaires not returned (non-respondents)							
For hire	—	8	2	6	22	39	77
Private:							
Intercity	94	93	21	18	44	44	314
Urban	107	163	45	29	48	23	415
Farm	42	48	10	5	1	—	106
Total	243	312	78	58	115	106	912