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PROVINCE OF SASKATCHEWAN
1958

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PROVINCE OF SASKATCHEWAN
JANUARY 1 - DECEMBER 31, 1958

CHART-1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

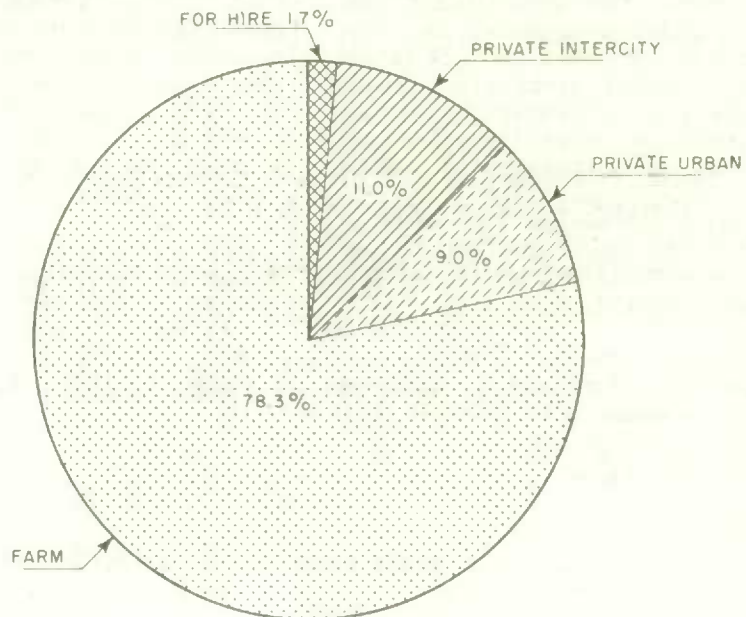
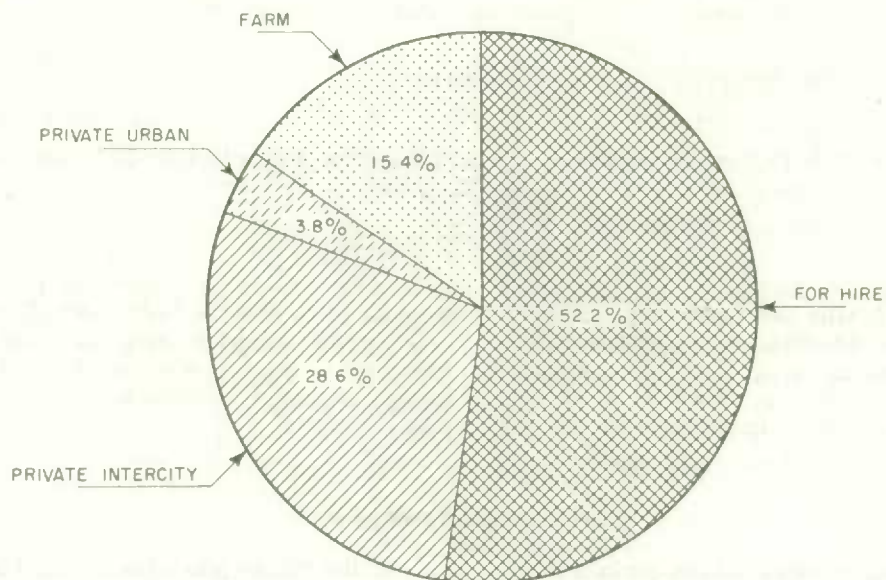


CHART-2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1958 annual report of motor transport traffic in the Province of Saskatchewan is based upon a sample of approximately 13 per cent of trucks and 43 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.

In Saskatchewan trucks operated provincially for compensation are classed as "Public Service Vehicles". Public service vehicles used for transporting general merchandise over a given route or for certified chartered operations are issued with an "A" licence, while those restricted to transporting specified commodities provincially are provided with an "E" licence. Vehicles owned and operated by farmers and used for their own farm operations are classified as farm vehicles and issued with an "F" licence. All other trucks are classified as commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially.

In this report vehicles have been classified into the four functional categories as follows:

- | | |
|-------------------|------------------------------------------------------------------------------|
| For-hire | — "A" and "E" licensed vehicles. |
| Private-intercity | — "C" and "D" licensed vehicles operating predominantly outside urban areas. |
| Private-urban | — "C" and "D" licensed vehicles operating predominantly within urban areas. |
| Farm | — "F" licensed vehicles. |

It is known that some "C" and "D" licensed trucks are operated for compensation but these vehicles were not included in the for-hire category. As a result, the for-hire data are understated by the extent of these operations.

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."

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 Saskatchewan during the year was 100,970. Of these 1,685 or 1.7 per cent were for-hire carriers; 11,125 or 11.0 per cent were private intercity vehicles; 9,095 or 9.0 per cent were private vehicles operating predominantly within urban areas; and 79,065 or 78.3 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 1: Traffic Inside and Outside the Province

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

Although comprising only 1.7 per cent of Saskatchewan's truck population, for-hire vehicles accounted for 52.2 per cent of total net ton miles and 8.8 per cent of total tons of goods carried during 1958. This results from the high average yearly mileage of these trucks, 40,900 as compared with 4,600 miles for all trucks, and from the heavy average load carried (9.2 tons as compared with 4.4 for all trucks). The heavier loads carried by for-hire trucks are to be expected since over four-fifths 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 6.1 as compared with a ratio of 9.8 for all trucks.

It is estimated that less than 1 per cent of the total net ton miles performed by for-hire trucks inside and outside of Saskatchewan was urban operations. This does not include the urban portion of intercity trips.

Some trucks in Saskatchewan are used essentially for personal transportation. Such vehicles account for about 13 per cent of the total mileage travelled by Saskatchewan registered trucks.

Section 2: Traffic Within the Province

This section presents estimates of traffic performed by Saskatchewan 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 1 and Section 2 it will be noted that for-hire vehicles accumulated 32.6 per cent and private intercity 13.7 per cent of their total net ton miles outside of Saskatchewan.

Section 3: Intraprovincial Traffic

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

It is estimated that of the total net ton miles performed by both for-hire and private intercity trucks, manufactured products accounted for 69.3 and 45.8 per cent respectively of the commodities carried.

Section 4: Interprovincial and International Traffic

Estimates indicate that more than three-fifths of the total tons of goods carried by Saskatchewan registered for-hire trucks in interprovincial and international traffic was transferred to or from Manitoba, and, that almost one-fourth of the total net ton miles performed and the revenue earned by for-hire trucks was in interprovincial and international traffic.

Sections 5 and 6: Intercity Bus Traffic

Section 5 provides estimates of intercity bus traffic both inside and outside the province while Section 6 covers traffic within the province only. Almost two-thirds of the total passenger miles performed and revenue earned by Saskatchewan registered buses was estimated to be outside the boundaries of the province. This situation occurs because a large percentage of buses was 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 12,793 trucks. Of this number 4,429 were returned completed and 5,399 were reported not used during the survey week. In addition 1,112 were returned with insufficient information. Non-response totalled 1,853 or 14.5 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.

**SECTION 1. TRAFFIC PERFORMED BY SASKATCHEWAN 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	68,969	128,342	48,316	217,564	463,191
Average yearly mileage per truck		40,900	11,500	5,300	2,800	4,600
Average distance each ton was carried		178.5	22.3	7.2	12.5	30.0
Percentage of total mileage travelled empty		30.4	55.3	52.8	70.4	58.7
Fuel:						
Total gallons of gasoline consumed	'000	9,822	13,241	4,282	18,675	46,020
Miles per gallon of gasoline		6.1	9.6	11.3	11.7	9.6
Total gallons of diesel oil consumed	'000	1,407	182	—	—	1,589
Miles per gallon of diesel oil		6.5	6.6	—	—	6.5
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	2,460	10,801	4,459	10,355	28,075
Average weight carried ¹	ton	9.2	4.2	1.4	2.0	4.4
Net ton miles:						
Total net ton miles performed	'000	439,126	240,434	31,943	129,934	841,437
Average net ton miles per truck		260,600	21,600	3,500	1,600	8,300
Capacity ton miles:						
Total capacity ton miles ²	'000	940,752	611,711	106,784	549,212	2,208,459
Average capacity ton miles per truck		558,300	55,000	11,700	6,900	21,900
Percentage of capacity utilized		46.7	39.3	29.9	23.7	38.1
Gross ton miles:						
Total gross ton miles ³	'000	950,491	679,666	156,739	728,814	2,515,710
Average gross ton miles per truck		564,100	61,100	17,200	9,200	24,900
Revenue:						
Total revenue	\$'000	26,740	—	—	—	—
Revenue per ton mile	¢	6.1	—	—	—	—
Revenue per mile (total mileage travelled)	¢	38.8	—	—	—	—
Average revenue per truck	\$	15,900	—	—	—	—
Average annual population		1,685	11,125	9,095	79,065	100,970

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	131,068	139,315	32,769	33,459	48,267	78,293	463,191
Average yearly mileage per truck	5,300	3,400	2,800	2,500	5,500	39,800	4,600
Average distance each ton was carried	18.1	11.5	11.2	14.4	17.3	69.3	30.0
Percentage of total mileage travelled empty	71.2	68.7	57.3	49.5	44.3	32.9	58.7
Fuel:							
Total gallons of gasoline consumed '000	9,014	11,261	3,249	3,944	6,708	11,844	46,020
Miles per gallon of gasoline	14.5	12.4	10.1	8.5	7.2	5.7	9.6
Total gallons of diesel oil consumed '000	—	—	—	—	—	1,589	1,589
Miles per gallon of diesel oil	—	—	—	—	—	6.5	6.5
Total gallons of other fuel consumed '000	—	—	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried '000	1,026	4,145	2,341	4,224	8,538	7,801	28,075
Average weight carried ¹ ton	0.5	1.1	1.9	3.6	5.5	10.3	4.4
Net ton miles:							
Total net ton miles performed '000	18,601	47,780	26,244	60,799	147,287	540,726	841,437
Average net ton miles per truck	800	1,200	2,200	4,600	16,800	274,800	8,300
Capacity ton miles:							
Total capacity ton miles ² '000	118,598	263,451	100,444	186,308	372,997	1,166,661	2,208,459
Average capacity ton miles per truck	4,800	6,500	8,600	14,000	42,600	592,800	21,900
Percentage of capacity utilized	15.7	18.1	26.1	32.6	39.5	46.3	38.1
Gross ton miles:							
Total gross ton miles ³ '000	243,661	408,856	136,032	195,438	377,399	1,154,324	2,515,710
Average gross ton miles per truck	9,800	10,100	11,600	14,700	43,100	586,500	24,900
Average annual population	24,765	40,514	11,685	13,275	8,763	1,968	100,970

TABLE 3. 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	101	2,250	4,410	2.0	43.8	693	15.7
20,001-30,000 lbs.	438	5,167	22,295	4.3	50.9	2,123	9.5
30,001-50,000 lbs.	1,284	25,125	232,659	9.3	181.2	14,506	6.2
50,001 lbs. and over	637	15,435	179,762	11.6	282.1	9,418	5.2
Total	2,460	47,977	439,126	9.2	178.5	26,740	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		
10,000 lbs. and under	645	26,122	19,598	0.8	30.4		
10,001-20,000 lbs.	868	6,829	19,317	2.8	22.2		
20,001-30,000 lbs.	4,728	13,522	83,201	6.2	17.6		
30,001 lbs. and over	4,560	10,946	118,318	10.8	25.9		
Total	10,801	57,419	240,434	4.2	22.3		

**SECTION II. TRAFFIC PERFORMED BY SASKATCHEWAN 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	51,119	122,488	48,316	217,564	439,487
Average yearly mileage per truck		30,300	11,000	5,300	2,800	4,400
Average distance each ton was carried		126.6	19.7	7.2	12.5	24.0
Percentage of total mileage travelled empty		34.4	56.5	52.8	70.4	60.4
Fuel:						
Total gallons of gasoline consumed	'000	7,475	12,424	4,282	18,875	42,856
Miles per gallon of gasoline.....		6.2	9.8	11.3	11.7	10.1
Total gallons of diesel oil consumed	'000	693	81	—	—	774
Miles per gallon of diesel oil		6.5	6.6	—	—	6.5
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel.....		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	2,337	10,524	4,459	10,355	27,675
Average weight carried ¹	ton	8.8	3.9	1.4	2.0	3.8
Net ton miles:						
Total net ton miles performed	'000	295,885	207,581	31,943	129,934	665,343
Average net ton miles per truck.....		175,600	18,700	3,500	1,600	6,600
Capacity ton miles:						
Total capacity ton miles ²	'000	673,595	546,848	106,784	549,212	1,876,439
Average capacity ton miles per truck		399,800	49,200	11,700	6,900	18,600
Percentage of capacity utilized.....		43.9	38.0	29.9	23.7	35.5
Gross ton miles:						
Total gross ton miles ³	'000	659,897	609,180	156,739	728,814	2,154,630
Average gross ton miles per truck		391,800	54,800	17,200	9,200	21,300
Revenue:						
Total revenue	\$'000	18,428	—	—	—	—
Revenue per ton mile.....	¢	6.2	—	—	—	—
Revenue per mile (total mileage travelled)	¢	36.0	—	—	—	—
Average revenue per truck	\$	10,900	—	—	—	—
Average annual population		1,685	11,125	9,095	79,065	100,970

See footnotes page 9.

TABLE 2. All Trucks by Gross Vehicle Weight Groups

	0-2 1/2 tons 0-5,000 lbs.	2 1/2-5 tons 5,001-10,000 lbs.	5-7 1/2 tons 10,001-15,000 lbs.	7 1/2-10 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	'000 131,068	138,955	32,562	32,505	46,374	58,023	439,487
Average yearly mileage per truck	5,300	3,400	2,800	2,400	5,300	29,500	4,400
Average distance each ton was carried	18.1	11.2	10.9	14.1	16.9	49.3	24.0
Percentage of total mileage travelled empty	71.2	68.2	57.5	49.9	44.6	37.5	60.4
Fuel:							
Total gallons of gasoline consumed	'000 9,014	11,227	3,222	3,821	6,449	9,123	42,856
Miles per gallon of gasoline	14.5	12.4	10.1	8.5	7.2	5.8	10.1
Total gallons of diesel oil consumed	'000 —	—	—	—	—	774	774
Miles per gallon of diesel oil	—	—	—	—	—	6.5	6.5
Total gallons of other fuel consumed	'000 —	—	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000 1,026	4,141	2,336	4,198	8,372	7,602	27,675
Average weight carried ¹	ton 0.5	1.0	1.8	3.6	5.5	10.3	3.8
Net ton miles:							
Total net ton miles performed	'000 18,601	46,358	25,429	59,010	141,163	374,762	665,343
Average net ton miles per truck	800	1,100	2,200	4,400	16,100	190,400	6,600
Capacity ton miles:							
Total capacity ton miles ²	'000 118,598	261,965	98,972	181,349	359,764	855,791	1,876,439
Average capacity ton miles per truck	4,800	6,500	8,500	13,700	41,100	434,900	18,600
Percentage of capacity utilized	15.7	17.7	25.7	32.5	39.2	43.8	35.5
Gross ton miles:							
Total gross ton miles ³	'000 243,661	405,966	134,419	189,634	359,983	820,967	2,154,630
Average gross ton miles per truck	9,800	10,000	11,500	14,300	41,100	417,200	21,300
Average annual population	24,765	40,514	11,685	13,275	8,763	1,968	100,970

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 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 SASKATCHEWAN REGISTERED TRUCKS
JANUARY 1 — DECEMBER 31, 1958

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	¢
20,000 lbs. and under	64	2,020	3,993	2.0	47.6	601	15.1
20,001-30,000 lbs.	354	4,677	19,909	4.3	56.3	1,836	9.2
30,001-50,000 lbs.	1,145	15,727	158,804	10.1	138.8	9,457	8.0
50,001 lbs. and over	286	3,950	42,789	10.8	149.7	2,321	5.4
Total	1,669	26,374	225,495	8.5	120.8	14,215	6.3
	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	461	22,387	15,847	0.7	34.3		
10,001-20,000 lbs.	671	5,515	15,649	2.8	23.3		
20,001-30,000 lbs.	4,190	11,177	69,937	6.3	16.7		
30,001 lbs. and over	4,176	7,938	84,448	10.6	20.2		
Total	9,500	47,017	185,881	4.0	19.6		

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	74	620	4,038	6.5	54.7	244	6.0
Animals and animal products	114	2,209	9,432	4.3	83.0	867	9.2
Mine products	40	105	869	8.3	21.4	75	8.7
Forest products	14	110	1,209	11.0	85.8	68	5.6
Manufactures and miscellaneous	1,227	16,104	156,270	9.7	127.4	8,929	5.7
N.O.S. general freight	400	7,226	53,677	7.4	134.0	4,032	7.5
Total	1,869	26,374	225,495	8.5	120.6	14,215	6.3
	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	192	942	4,825	5.1	25.1		
Animals and animal products	95	2,978	8,246	2.8	86.4		
Mine products	7,198	7,243	71,484	9.9	9.9		
Forest products	114	1,139	9,650	8.5	84.9		
Manufactures and miscellaneous	1,705	32,801	85,098	2.6	49.9		
N.O.S. general freight	196	1,914	6,578	3.4	33.6		
Total	9,500	47,017	185,881	4.0	19.6		

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

TABLE 1. Origin and Destination

Origin or destination	For hire			Private intercity			Total		
	Into	Out of	Total	Into	Out of	Total	Into	Out of	Total
	'000 tons								
Newfoundland	—	—	—						
Prince Edward Island	—	—	—						
Nova Scotia	—	—	—						
New Brunswick	—	—	—						
Quebec	—	—	—	1	1	1	1	1	1
Ontario	5	14	19						
Manitoba	101	95	196						
Alberta	31	23	54						
British Columbia	1	—	1						
United States	3	7	10						
Total	141	139	280						

¹ Reliable statistics 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	20	510	5,570	10.9	285.3	192	3.4
Animals and animal products	41	1,637	16,094	9.8	392.0	713	4.4
Mine products	—	—	—	—	—	—	—
Forest products	2	200	916	4.6	409.3	54	5.9
Manufactures and miscellaneous	70	4,390	41,688	9.5	592.8	2,552	6.1
N.O.S. general freight	147	4,271	44,149	10.3	301.0	2,909	6.6
Total	280	11,008	108,417	9.8	387.5	6,420	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	1	1	1	1	1		
Mine products	1	1	1	1	1		
Forest products	1	1	1	1	1		
Manufactures and miscellaneous	1	1	1	1	1		
N.O.S. general freight	1	1	1	1	1		
Total	1	1	1	1	1		

¹ Reliable statistics not available.

SECTION V. TRAFFIC PERFORMED BY SASKATCHEWAN 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	—	6,974	3,876	10,852
Average yearly mileage per bus	—	—	89,400	99,400	89,700
Average journey (average distance per passenger)	—	—	105.4	139.1	116.8
Fuel:					
Total gallons of gasoline consumed	'000	—	30	13	43
Miles per gallons of gasoline	—	—	6.4	5.0	6.0
Total gallons of diesel oil consumed	'000	—	760	487	1,247
Miles per gallon of diesel oil	—	—	8.9	7.8	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	—	1,122	574	1,696
Total number of passenger miles	'000	—	118,324	79,814	198,138
Average number of passengers carried per mile	—	—	17.0	20.6	18.3
Capacity:					
Total capacity seat miles	'000	—	257,868	157,455	415,323
Percentage of capacity utilized	—	—	45.9	50.7	47.7
Revenue:					
Total passenger revenue	\$'000	—	3,068	1,879	4,947
Revenue per mile (total mileage travelled)	¢	—	44.0	48.5	45.6
Revenue per passenger mile	¢	—	2.6	2.4	2.5
Revenue per bus	\$	—	39,300	48,200	40,900

**SECTION VI. TRAFFIC PERFORMED BY SASKATCHEWAN 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	—	—	3,164	739	3,903
Average yearly mileage per bus.....		—	—	40,600	19,000	32,300
Average journey (average distance per passenger)....		—	—	93.8	114.1	98.2
Fuel:						
Total gallons of gasoline consumed.....	'000	—	—	7	13	20
Miles per gallon of gasoline.....		—	—	6.1	5.0	5.4
Total gallons of diesel oil consumed.....	'000	—	—	352	92	444
Miles per gallon of diesel oil.....		—	—	8.9	7.4	8.6
Total gallons of other fuel consumed.....	'000	—	—	—	—	—
Miles per gallon of other fuel.....		—	—	—	—	—
Passengers and passenger miles:						
Total number of passengers carried.....	'000	—	—	548	152	700
Total number of passenger miles.....	'000	—	—	51,457	17,326	68,783
Average number of passengers carried per mile.....		—	—	16.3	23.4	17.6
Capacity:						
Total capacity seat miles.....	'000	—	—	116,893	30,304	147,197
Percentage of capacity utilized.....		—	—	44.0	57.2	46.7
Revenue:						
Total passenger revenue.....	\$'000	—	—	1,310	399	1,709
Revenue per mile (total mileage travelled).....	¢	—	—	41.4	54.0	43.8
Revenue per passenger mile.....	¢	—	—	2.5	2.3	2.5
Revenue per bus.....	\$	—	—	16,800	10,200	14,100

Appendix 1

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 Saskatchewan truck population January 1—December 31, 1958						
For hire	—	105	40	130	308	1,102	1,685
Private:							
Intercity	5,349	2,048	495	922	1,677	834	11,125
Urban	5,346	1,776	485	703	603	182	9,095
Farm	14,070	36,585	10,665	11,520	6,175	50	79,065
Total.....	24,765	40,514	11,685	13,275	8,763	1,968	100,970
	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	541	294		124		123	
Private:							
Intercity	1,706	728		534		444	
Urban	1,080	483		310		287	
Farm	9,446	2,924		4,431		2,111	
Total.....	12,793	4,429		5,399		2,965	

Appendix 2. Reliability of Motor Transport Traffic Statistics

	Number of trucks reporting (1)	Survey estimates '000 (2)	Sampling variability (two standard deviations)		Range (Col. 2 plus and minus col. 3)	
			Size	Per cent of col. 2	Lower limit	Upper limit
			'000 (3)	(4)	'000 (5)	'000 (6)
A. Traffic performed within the province ¹						
Total mileage travelled						
		miles	miles		miles	miles
For hire	275	51,119	3,681	7.2	47,438	54,800
Private:						
Intercity	712	122,488	9,554	7.8	112,934	132,042
Urban	483	48,316	4,445	9.2	43,871	52,761
Farm	2,923	217,564	9,138	4.2	208,426	226,702
Total	4,393	439,487	14,064	3.2	425,423	453,551
Weight of goods						
		tons	tons		tons	tons
For hire	271	2,337	215	9.2	2,122	2,552
Private:						
Intercity	541	10,524	2,084	19.8	6,440	12,608
Urban	371	4,459	794	17.8	3,665	5,253
Farm	2,051	10,355	683	6.6	9,672	11,038
Total	3,234	27,675	1,993	7.2	25,682	29,668
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire	271	295,885	27,221	9.2	268,664	323,106
Private:						
Intercity	541	207,581	24,079	11.6	183,502	231,660
Urban	363	31,943	5,430	17.0	26,513	37,373
Farm	2,000	129,934	9,355	7.2	120,579	139,289
Total	3,175	665,343	34,598	5.2	630,745	699,941
Revenue earned						
		\$	\$		\$	\$
For hire	271	18,428	1,695	9.2	16,733	20,123
B. Interprovincial and international traffic						
Weight of goods						
		tons	tons		tons	tons
For hire	45	280	59	21.2	221	339
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire	45	108,417	15,395	14.2	93,022	123,812

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 51,119,000 miles, will not be more than 3,681,000 miles (plus or minus 7.2 per cent of 51,119,000) 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 47,438,000 to 54,800,000.

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