

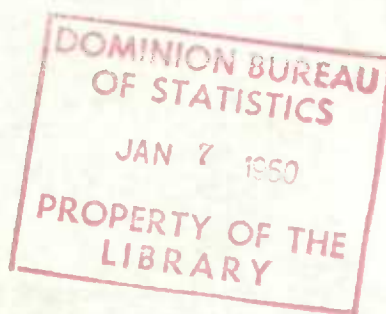
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ANNUAL



MOTOR TRANSPORT TRAFFIC
PROVINCE OF ONTARIO
1958



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PROVINCE OF ONTARIO
JANUARY 1 - DECEMBER 31, 1958

CHART-1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

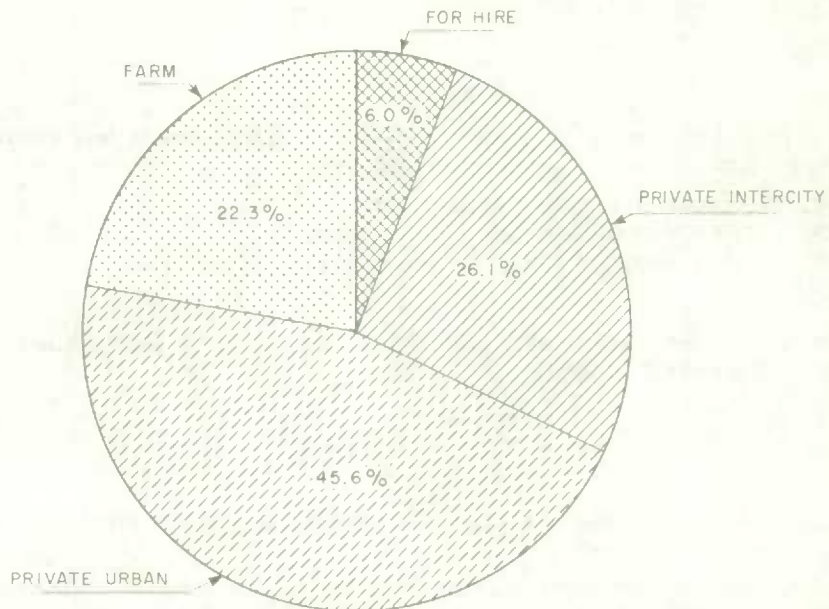
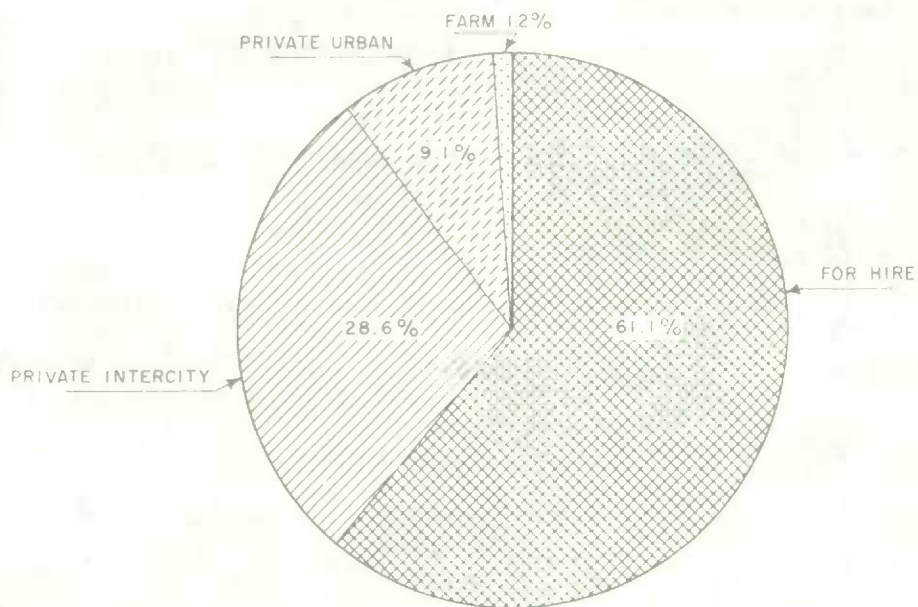


CHART-2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1958 annual report of motor transport traffic in the Province of Ontario is based upon a sample of approximately 10 per cent of trucks and 24 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 intercity for-hire trucks ("P.C.V.'s") are the only class to be registered separately in Ontario, it was necessary to use completed questionnaires to classify privately operated vehicles in the sample as "intercity", "urban" and "farm".

A number of urban trucks are operated for compensation but these vehicles were not included in the for-hire category. As a result, the data shown throughout this report as "for-hire" are understated and those for the "private urban" category are overstated by the extent of those urban for-hire vehicles classified as "private urban".

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 Ontario during the year was 280,302. Of these 16,763 or 6.0 per cent were for-hire carriers; 73,192 or 26.1 per cent were private intercity vehicles; 127,701 or 45.6 per cent were private vehicles operating predominantly within urban areas; and 62,646 or 22.3 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 I: Traffic Inside and Outside the Province

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

Although comprising only 6.0 per cent of Ontario's truck population, for-hire vehicles accounted for 61.1 per cent of total net ton miles and 37.1 per cent of total tons of goods carried during 1958. This results from the high average yearly mileage of these trucks, 31,100 as compared with 8,700 miles for all trucks, and from the heavy average load carried (10.8 tons as compared with 5.1 for all trucks). The heavier loads carried by for-hire trucks are to be expected since almost

three-fourths 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 5.9 as compared with a ratio of 9.3 for all trucks.

Some trucks in Ontario are used essentially for personal transportation. Such vehicles account for about 12 per cent of the total mileage travelled by Ontario registered trucks.

Section II: Traffic Within the Province

This section presents estimates of traffic performed by Ontario 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 19.5 per cent and private intercity 12.0 per cent of their total net ton miles outside of Ontario.

Section III: Intraprovincial Traffic

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

It is estimated that of the total net ton miles performed by for-hire and private intercity trucks,

manufactured products accounted for 54.3 and 59.3 per cent respectively of the commodities carried.

Section IV: Interprovincial and International Traffic

Estimates indicate that almost three-fourths of the total tons of goods carried by Ontario registered for-hire trucks in interprovincial and international traffic was transferred to or from Quebec; and, that approximately one-third of the total net ton miles performed and 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 less than 10 per cent of the total passenger miles performed and 4 per cent of the revenue earned by Ontario registered buses was estimated to be outside the boundaries of the province.

Appendix 1

During the year survey questionnaires were sent to the owners or operators of 27,939 trucks. Of this number 14,196 questionnaires were returned completed and 6,473 trucks were reported not used during the survey week. In addition 3,864 questionnaires were returned with insufficient information. Non-response totalled 3,406 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 mis-statements. Also, the respondent may not keep accurate records of traffic performed. The effect of these factors cannot be measured without a further follow-up and re-enumeration of the statistics reported.

(b) Sampling Variability

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

goods carried (3) net ton miles and (4) revenue earned. These calculations have been made using a confidence limit of two standard deviations (i.e. allowing 95 out of 100 chances that the stated range contains the true value). The stability of the data varies according to the type of statistics involved and the number of trucks reporting in each category. Hence statistics of class totals are considered more reliable than those for any particular weight group. Of the various types of data presented, the most stable statistics are "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 weight carried.

November 18, 1959.

**SECTION I. TRAFFIC PERFORMED BY ONTARIO 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	520,787	840,255	855,285	231,094	2,447,421
Average yearly mileage per truck		31,100	11,500	6,700	3,700	8,700
Average distance each ton was carried		64.1	40.0	10.9	17.4	38.8
Percentage of total mileage travelled empty		26.9	52.3	46.2	66.5	46.1
Fuel:						
Total gallons of gasoline consumed	'000	71,208	86,145	76,501	16,275	250,129
Miles per gallon of gasoline.....		5.9	9.4	11.2	14.2	9.3
Total gallons of diesel oil consumed	'000	15,287	3,936	—	—	19,223
Miles per gallon of diesel oil.....		6.5	6.8	—	—	6.6
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	64,212	48,037	56,373	4,540	173,162
Average weight carried ¹	ton	10.8	4.8	1.3	1.0	5.1
Net ton miles:						
Total net ton miles performed	'000	4,113,548	1,921,561	612,765	79,053	8,726,927
Average net ton miles per truck		245,400	26,300	4,800	1,300	24,000
Capacity ton miles:						
Total capacity ton miles ²	'000	7,992,114	4,656,779	1,904,992	318,011	14,871,896
Average capacity ton miles per truck		476,800	63,600	14,900	5,100	53,100
Percentage of capacity utilized		51.5	41.3	32.2	24.9	45.2
Gross ton miles:						
Total gross ton miles ³	'000	8,094,806	5,060,558	2,652,760	534,569	16,342,713
Average gross ton miles per truck		482,900	69,100	20,800	8,500	58,300
Revenue:						
Total revenue	\$'000	268,155	—	—	—	—
Revenue per ton mile	¢	6.5	—	—	—	—
Revenue per mile (total mileage travelled)	¢	51.5	—	—	—	—
Average revenue per truck	\$	16,000	—	—	—	—
Average annual population		16,763	73,192	127,701	62,646	280,302

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	988,414	353,750	106,594	203,812	240,091	2,447,421
Average yearly mileage per truck.....		6,100	6,600	7,600	10,200	15,500	8,700
Average distance each ton was carried.....		20.2	17.0	14.3	16.8	14.7	38.8
Percentage of total mileage travelled empty.....		64.3	38.4	33.7	35.3	41.9	46.1
Fuel:							
Total gallons of gasoline consumed.....	'000	66,704	31,204	11,609	25,959	33,603	250,129
Miles per gallon of gasoline.....		14.8	11.3	9.2	7.9	7.1	9.3
Total gallons of diesel oil consumed.....	'000	—	—	—	—	247	19,223
Miles per gallon of diesel oil.....		—	—	—	—	6.9	6.6
Total gallons of other fuel consumed.....	'000	—	—	—	—	—	—
Miles per gallon of other fuel.....		—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried.....	'000	5,293	9,384	8,453	24,838	58,303	173,162
Average weight carried ¹	ton	0.3	0.7	1.7	3.2	6.1	5.1
Net ton miles:							
Total net ton miles performed.....	'000	106,774	159,312	120,497	417,359	856,675	8,726,927
Average net ton miles per truck.....		700	3,000	8,600	20,900	55,300	24,000
Capacity ton miles:							
Total capacity ton miles ³	'000	786,763	516,357	349,025	1,066,341	1,946,934	14,871,896
Average capacity ton miles per truck.....		4,900	9,600	24,900	53,300	125,700	53,100
Percentage of capacity utilized.....		13.6	30.9	34.5	39.1	44.0	45.2
Gross ton miles:							
Total gross ton miles ³	'000	1,699,880	947,895	482,262	1,241,912	2,037,210	16,342,713
Average gross ton miles per truck.....		10,500	17,600	34,400	62,100	131,500	58,300
Average annual population.....		161,478	54,009	14,024	20,008	15,492	280,302

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	5,664	37,526	113,253	3.0	20.0	18,419	16.3
20,001 - 30,000 lbs.	24,708	52,851	369,930	7.0	15.0	28,897	7.8
30,001 - 50,000 lbs.	9,853	52,115	442,488	8.5	44.9	34,981	7.9
50,001 lbs. and over	23,987	238,057	3,187,877	13.4	132.9	185,858	5.8
Total	64,212	380,549	4,113,548	10.8	64.1	268,153	6.5
	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	3,418	168,107	91,130		0.5		26.7
10,001 - 20,000 lbs.	10,161	77,372	214,801		2.8		21.1
20,001 - 30,000 lbs.	14,061	54,614	314,308		5.8		22.4
30,001 - 50,000 lbs.	5,576	24,297	211,350		8.7		37.9
50,001 lbs. and over	14,821	76,374	1,089,972		14.3		73.5
Total	48,037	400,764	1,921,561		4.8		40.0

**SECTION II. TRAFFIC PERFORMED BY ONTARIO 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	'000 451,369	803,758	855,285	231,094	2,341,506
Average yearly mileage per truck	26,900	11,000	6,700	3,700	8,400
Average distance each ton was carried	52.2	35.8	10.9	17.4	33.2
Percentage of total mileage travelled empty	29.1	53.0	46.2	66.5	47.3
Fuel:					
Total gallons of gasoline consumed.....	'000 65,434	80,478	76,501	16,275	238,688
Miles per gallon of gasoline	5.9	9.8	11.2	14.2	9.5
Total gallons of diesel oil consumed.....	'000 9,458	2,427	—	—	11,885
Miles per gallon of diesel oil	6.7	7.1	—	—	6.8
Total gallons of other fuel consumed.....	'000 —	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—
Weight of goods carried:					
Total tons of goods carried	'000 63,407	47,226	56,373	4,540	171,546
Average weight carried ¹	ton 10.4	4.5	1.3	1.0	4.6
Net ton miles:					
Total net ton miles performed	'000 3,311,369	1,691,316	612,765	79,053	5,694,503
Average net ton miles per truck	197,500	23,100	4,800	1,300	20,300
Capacity ton miles:					
Total capacity ton miles ²	'000 6,783,497	4,225,981	1,904,992	318,011	13,232,481
Average capacity ton miles per truck	404,700	57,700	14,900	5,100	47,200
Percentage of capacity utilized	48.8	40.0	32.2	24.9	43.0
Gross ton miles:					
Total gross ton miles ³	'000 6,694,499	4,600,172	2,652,780	534,569	14,482,020
Average gross ton miles per truck	399,400	62,900	20,800	8,500	51,700
Revenue:					
Total revenue.....	\$'000 229,582	—	—	—	—
Revenue per ton mile	¢ 6.9	—	—	—	—
Revenue per mile (total mileage travelled)	¢ 50.9	—	—	—	—
Average revenue per truck	\$ 13,700	—	—	—	—
Average annual population	16,763	73,192	127,701	62,648	340,302

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	'000 980,156	352,269	105,645	200,013	229,591	473,832	2,341,506
Average yearly mileage per truck	6,100	6,500	7,500	10,000	14,800	31,000	8,400
Average distance each ton was carried	20.1	16.9	14.2	16.6	13.7	62.4	33.2
Percentage of total mileage travelled empty	64.2	38.3	33.8	35.8	42.4	29.1	47.3
Fuel:							
Total gallons of gasoline consumed	'000 66,142	31,099	11,521	25,523	32,087	72,316	238,688
Miles per gallon of gasoline	14.8	11.3	9.2	7.8	7.1	5.4	9.5
Total gallons of diesel oil consumed	'000 —	—	—	—	86	11,799	11,885
Miles per gallon of diesel oil	—	—	—	—	6.8	6.8	6.8
Total gallons of other fuel consumed	'000 —	—	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000 5,283	9,384	8,440	24,441	58,151	65,847	171,546
Average weight carried ¹	0.3	0.7	1.7	3.2	6.0	12.2	4.6
Net ton miles:							
Total net ton miles performed	'000 106,301	158,779	119,697	405,849	793,903	4,109,974	5,694,503
Average net ton miles per truck	700	2,900	8,500	20,300	51,200	268,800	20,300
Capacity ton miles:							
Total capacity ton miles ²	'000 780,507	514,373	346,287	1,042,933	1,848,586	8,699,795	13,232,481
Average capacity ton miles per truck	4,800	9,500	24,700	52,100	119,300	568,900	47,200
Percentage of capacity utilized	13.6	30.9	34.6	38.9	42.9	47.2	43.0
Gross ton miles:							
Total gross ton miles ³	'000 1,686,867	944,224	478,353	1,214,212	1,912,806	8,245,558	14,482,020
Average gross ton miles per truck	10,400	17,500	34,100	60,700	123,500	539,200	51,700
Average annual population	161,478	54,009	14,024	20,008	15,492	15,291	280,302

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 ONTARIO 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	3,928	25,914	84,401	3.3	21.5	11,955	14.2
20,001-30,000 lbs.	16,880	38,716	252,825	6.5	15.0	19,085	7.5
30,001-50,000 lbs.	5,858	29,706	239,615	8.1	40.9	21,112	8.8
50,001 lbs. and over	18,089	140,632	1,811,751	12.9	100.2	118,931	6.6
Total	44,755	234,968	2,388,592	10.2	53.4	171,083	7.2
	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	3,053	149,537	84,839	0.6	27.8		
10,001-20,000 lbs.	8,639	69,158	196,447	2.8	22.7		
20,001-30,000 lbs.	12,577	47,728	275,585	5.8	21.9		
30,001-50,000 lbs.	4,671	17,157	151,678	8.8	32.5		
50,001 lbs. and over	12,443	53,492	768,793	14.4	61.8		
Total	41,383	337,072	1,477,342	4.4	35.7		

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	1,304	9,982	126,321	12.7	96.9	6,694	5.3
Animals and animal products	2,088	27,498	144,750	5.3	69.3	13,392	9.3
Mine products	21,151	26,961	280,225	10.4	13.2	16,266	5.8
Forest products	980	4,318	43,807	10.1	44.7	3,372	7.7
Manufactures and miscellaneous	12,982	110,243	1,296,084	11.8	99.8	83,618	6.5
N.O.S. general freight	6,250	55,966	497,405	8.9	79.6	47,741	9.6
Total	44,755	234,968	2,388,592	10.2	53.4	171,083	7.2
	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	2,888	24,158	146,722	6.1	54.6		
Animals and animal products	2,049	43,395	117,653	2.7	57.4		
Mine products	15,148	20,160	170,094	8.4	11.2		
Forest products	2,410	13,900	110,854	8.0	46.0		
Manufactures and miscellaneous	17,417	209,289	875,477	4.2	50.3		
N.O.S. general freight	1,671	26,172	56,542	2.2	33.8		
Total	41,383	337,072	1,477,342	4.4	35.7		

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

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

Origin and destination	For hire			Private intercity			Total		
	Into Ontario	Out of Ontario	Total	Into Ontario	Out of Ontario	Total	Into Ontario	Out of Ontario	Total
	*000 tons								
Newfoundland	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—
Nova Scotia	—	7	7	—	3	3	—	10	10
New Brunswick	5	—	5	—	—	—	5	—	5
Quebec	1,015	993	2,008	353	407	760	1,368	1,400	2,768
Manitoba	51	82	133	22	12	34	73	94	167
Saskatchewan	—	9	9	—	1	1	—	10	10
Alberta	107	98	205	7	7	14	114	105	219
British Columbia	—	2	2	1	—	1	1	2	3
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—
United States	213	149	362	201	229	430	414	378	792
Total	1,391	1,340	2,731	584	659	1,243	1,975	1,999	3,974

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	122	4,957	66,385	13.4	544.5	2,808	4.2
Animals and animal products	137	12,534	150,342	12.0	1,100.6	5,930	3.9
Mine products	54	425	7,762	18.3	142.5	615	7.9
Forest products	49	797	7,396	9.3	149.9	942	12.7
Manufactures and miscellaneous	1,352	49,816	600,812	12.1	444.6	31,256	5.2
N.O.S. general freight	1,017	38,172	527,377	13.8	518.5	26,356	5.0
Total	2,731	106,701	1,360,074	12.7	498.0	67,907	5.0
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products	89	3,416	36,988	10.8	416.3		
Animals and animal products	106	3,146	31,042	9.9	293.4		
Mine products	—	—	—	—	—		
Forest products	93	1,120	17,272	15.4	186.5		
Manufactures and miscellaneous	774	19,240	185,451	9.6	239.5		
N.O.S. general freight	181	5,090	37,840	7.4	209.2		
Total	1,243	32,012	308,593	9.6	248.3		

SECTION V. TRAFFIC PERFORMED BY ONTARIO 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	1,299	2,208	7,852	10,485	21,844
Average yearly mileage per bus.....	21,600	13,100	18,000	39,700	23,500
Average journey (average distance per passenger)	39.9	21.7	34.1	29.6	30.3
Fuel:					
Total gallons of gasoline consumed..... '000	143	287	647	307	1,384
Miles per gallon of gasoline	9.1	7.7	5.1	4.4	5.9
Total gallons of diesel oil consumed	—	—	637	1,188	1,825
Miles per gallon of diesel oil	—	—	7.1	7.7	7.5
Total gallons of other fuel consumed	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—
Passengers and passenger miles:					
Total number of passengers carried	125	1,658	4,519	7,130	13,432
Total number of passenger miles..... '000	4,998	36,053	154,291	211,327	406,669
Average number of passengers carried per mile	3.8	16.3	19.7	20.2	18.6
Capacity:					
Total capacity seat miles..... '000	14,822	57,586	287,236	459,540	819,184
Percentage of capacity utilized.....	33.7	62.6	53.7	46.0	49.6
Revenue:					
Total passenger revenue..... \$'000	295	544	3,666	5,936	10,441
Revenue per mile (total mileage travelled)	¢ 22.7	¢ 24.6	¢ 46.7	¢ 56.6	¢ 47.8
Revenue per passenger mile.....	¢ 5.9	¢ 1.5	¢ 2.4	¢ 2.8	¢ 2.6
Revenue per bus..... \$	4,900	3,200	8,400	22,500	11,300

**SECTION VI. TRAFFIC PERFORMED BY ONTARIO 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	1,260	2,208	7,218	10,300	20,986
Average yearly mileage per bus	21,000	13,100	16,600	39,000	22,600
Average journey (average distance per passenger)	38.1	21.7	27.2	29.8	28.0
Fuel:					
Total gallons of gasoline consumed '000	140	287	581	302	1,310
Miles per gallon of gasoline	9.0	7.7	5.1	4.4	5.9
Total gallons of diesel oil consumed '000	—	—	589	1,158	1,747
Miles per gallon of diesel oil	—	—	7.2	7.7	7.6
Total gallons of other fuel consumed '000	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—
Passengers and passenger miles:					
Total number of passengers carried '000	125	1,658	4,446	6,967	13,196
Total number of passenger miles '000	4,763	36,053	120,877	207,764	369,457
Average number of passengers carried per mile	3.8	16.3	16.7	20.2	17.6
Capacity:					
Total capacity seat miles '000	14,354	57,586	264,331	451,898	788,169
Percentage of capacity utilized	33.2	62.6	45.7	46.0	46.9
Revenue:					
Total passenger revenue \$'000	272	544	3,378	5,836	10,030
Revenue per mile (total mileage travelled) ¢	21.6	24.6	46.8	56.7	47.8
Revenue per passenger mile ¢	5.7	1.5	2.8	2.8	2.7
Revenue per bus \$	4,500	3,200	7,700	22,100	10,800

Appendix 1

	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 Ontario truck population January 1 - December 31, 1958						
For hire	128	678	797	2,645	4,364	8,151	16,763
Private:							
Intercity	40,675	11,527	3,531	6,953	5,775	4,731	73,192
Urban	74,537	28,697	8,137	9,137	4,784	2,409	127,701
Farm	46,138	13,107	1,559	1,273	569	—	62,646
Total	161,478	54,009	14,024	20,008	15,492	15,291	280,302
	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	3,630	1,928		586		1,116	
Private:							
Intercity	8,000	4,008		2,053		1,939	
Urban	11,931	5,985		2,842		3,104	
Farm	4,378	2,275		992		1,111	
Total	27,939	14,196		6,473		7,270	

Appendix 2. Reliability of Motor Transport Traffic Statistics

	Number of trucks reporting (1)	Survey estimates (2)	Sampling variability (Two standard deviations)		Range Col. 2 plus and minus col. 3	
			Size (3)	Per cent of col. 2 (4)	Lower limit (5)	Upper limit (6)
		'000	'000		'000	'000
A. Traffic performed within the province¹						
Total mileage travelled						
		miles	miles		miles	miles
For hire	1,894	451,369	14,444	3.2	436,925	465,813
Private:						
Intercity	3,962	803,758	22,505	2.8	781,253	826,263
Urban	5,985	855,285	22,237	2.6	833,048	877,522
Farm	2,275	231,094	9,706	4.2	221,388	240,800
Total	14,116	2,341,506	32,781	1.4	2,308,725	2,374,287
Weight of goods carried						
		tons	tons		tons	tons
For hire	1,874	63,407	4,565	7.2	58,842	67,972
Private:						
Intercity	3,077	47,226	3,400	7.2	43,826	50,626
Urban	4,563	56,373	3,044	5.4	53,329	59,417
Farm	1,655	4,540	436	9.6	4,104	4,976
Total	11,169	171,546	6,176	3.6	165,370	177,722
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire	1,874	3,311,369	152,323	4.6	3,159,046	3,463,692
Private:						
Intercity	3,077	1,691,316	71,035	4.2	1,620,281	1,762,351
Urban	4,563	612,765	24,511	4.0	588,254	637,276
Farm	1,655	79,053	9,961	12.6	69,092	89,014
Total	11,169	5,694,503	159,446	2.8	5,535,057	5,853,949
Revenue earned						
		\$	\$		\$	\$
For hire	1,874	229,582	9,642	4.2	219,940	239,224
B. Interprovincial and international traffic						
Weight of goods carried						
		tons	tons		tons	tons
For hire	233	2,731	218	8.0	2,513	2,949
Private:						
Intercity	164	1,243	271	21.8	972	1,514
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire	233	1,360,074	119,687	8.8	1,240,387	1,479,761
Private:						
Intercity	164	308,593	58,633	19.0	249,960	367,226

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, 451,369,000 miles, will not be more than 14,444,000 miles (plus or minus 3.2 per cent of 451,369,000) 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 436,925,000 to 465,813,000.

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