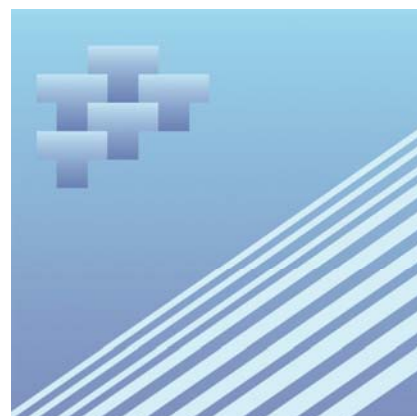


Catalogue no. 53F0004X

Canadian Vehicle Survey: Quarterly

January to March 2009



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Statistics Canada
Transportation Division

Canadian Vehicle Survey: Quarterly

January to March 2009

Published by authority of the Minister responsible for Statistics Canada

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September 2009

Catalogue no. 53F0004X

ISSN 1496-3736

Frequency: Quarterly

Ottawa

Cette publication est également disponible en français.

Note of appreciation

Canada owes the success of its statistical system to a long standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.

User information

Symbols

The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0^s value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published

Acknowledgements

This publication was prepared in the Transportation Division under the direction of **Gord Baldwin**, Director, and **Ed Hamilton**, Chief, Trucking Section.

The principal author of this publication was **Réjean Doiron**.

Significant contributions to the collection and preparation of the data were made by the following people and organizations:

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Canadian Council of Motor Transport Administrators and Provincial and Territorial Registrars of Motor Vehicles

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Highlights

- Canadians drove less during the first quarter of 2009 compared to the same quarter last year. This follows two consecutive quarters when Canadians drove their vehicles more than in the comparable period in the previous year. For the first quarter, Canadian vehicles were driven 70.8 billion kilometres, down 2.7% from the same time last year.
- The number of vehicles on the road increased by 1.3% in the first quarter of 2009. This means that the average vehicle was driven 4% less than in the same quarter in the previous year.
- Within the light vehicles (weighing less than 4.5 tonnes), the number of smaller styles such as cars and station wagons on the road increased by 5.4% while the number of larger styles such as vans, sport utility vehicles and pickup trucks decreased by 3.5% compared to the previous year.
- The use of these two styles showed the opposite trends. For the first time since the fourth quarter of 2007, larger style light vehicles (vans, sport utility vehicles and pickup trucks) were driven more during the first quarter of 2009 compared to the same quarter the previous year. Driving in smaller styles such as cars and station wagons, on the other hand, decreased compared to the previous year for the first time since the fourth quarter of 2007. Gasoline prices eased considerably in late 2008 and early 2009 from the highs of mid-2008.

Introduction

This document describes concepts, employed methods and discusses data quality. The reference period for all the information presented in this document is the first quarter of 2009.

Survey overview

The CVS is a voluntary vehicle-based survey that provides quarterly and annual estimates of road vehicle activity (vehicle-kilometres and passenger-kilometres) of vehicles registered in Canada. A quarterly sample of vehicles is drawn from vehicle registration lists provided by the provincial and territorial governments.

The provincial component of the survey consists of two steps. The first step is a computer assisted telephone interview (CATI) with the registered owners of the sampled vehicles. This interview is used to collect some general information on the usage of the vehicle as well as to ask the respondent to complete a trip log specific to his/her vehicle type. The trip log is then mailed out as a second step. If respondents cannot be contacted by phone, the trip log is mailed out with a short questionnaire to collect some of the information normally collected during the CATI.

The territorial component of the survey consists of two short questionnaires. One is mailed to the respondents at the beginning of the quarter and the other is mailed at the end of the quarter. The first questionnaire asks respondents to record the odometer reading at the beginning of the first day of the quarter. All those returning the first questionnaire are mailed a second questionnaire asking them to record the odometer reading at the beginning of the first day of the next quarter. These two odometer readings allow the calculation of the distance the vehicle was driven during the quarter.

Survey collection began on February 1, 1999. Only eight provincial / territorial vehicle registration lists were received in time to be included in the sample at that time, but over the remainder of 1999, the other lists were received. Starting October 1, 1999, vehicles from all provinces and territories were included in the survey.

Users who require additional information from Statistics Canada can obtain it from the Transportation Division upon request by phoning 1 866 500-8400 or e-mailing transportationstatistics@statcan.gc.ca.

Related products

Selected publications from Statistics Canada

53-223-X	Canadian Vehicle Survey: Annual
53F0007X	Driving Characteristics of the Young and Aging Population

Selected CANSIM tables from Statistics Canada

405-0005	Canadian vehicle survey, number of vehicles on the registration lists, by type of vehicle, province and territory, quarterly
405-0006	Canadian vehicle survey, number of vehicles in scope, by type of vehicle, province and territory, quarterly
405-0007	Canadian vehicle survey, passenger-kilometres, by type of vehicle and province, quarterly
405-0008	Canadian vehicle survey, vehicle-kilometres, by type of vehicle, province and territory, quarterly
405-0009	Canadian vehicle survey, number of vehicles in scope, by type of vehicle and type of fuel, quarterly
405-0010	Canadian vehicle survey, passenger-kilometres, by type of vehicle and age of vehicle model, quarterly
405-0011	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and age of vehicle model, quarterly
405-0012	Canadian vehicle survey, passenger-kilometres, by type of vehicle and type of vehicle body, quarterly
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405-0015	Canadian vehicle survey, passenger-kilometres, by type of vehicle and type of fuel, quarterly
405-0016	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and type of fuel, quarterly
405-0017	Canadian vehicle survey, passenger-kilometres, by type of vehicle and days of the week, quarterly
405-0018	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and days of the week, quarterly

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405-0027	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and sex of driver, quarterly
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405-0029	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and time of day, quarterly
405-0030	Canadian vehicle survey, passenger-kilometres, by type of vehicle and carrying dangerous goods, quarterly
405-0031	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and carrying dangerous goods, quarterly
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405-0036	Canadian vehicle survey, passenger-kilometres, by type of vehicle and passenger age group, quarterly
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405-0040	Canadian vehicle survey, vehicle-kilometres, by type of vehicle, type of day and time of day, quarterly
405-0041	Canadian vehicle survey, passenger-kilometres, by type of vehicle, driver age group and sex of driver, quarterly
405-0042	Canadian vehicle survey, vehicle-kilometres, by type of vehicle, driver age group and sex of driver, quarterly
405-0044	Canadian vehicle survey, number of vehicles up to 4.5 tonnes, by year of vehicle model, province and territory, quarterly
405-0045	Canadian vehicle survey, number of trucks 4.5 tonnes to 14.9 tonnes, by year of vehicle model, province and territory, quarterly
405-0046	Canadian vehicle survey, number of trucks 15 tonnes and over, by year of vehicle model, province and territory, quarterly
405-0053	Canadian vehicle survey, vehicle-kilometres for trucks over 4.5 tonnes, by vehicle group, type of vehicle and purpose of trip (specific to vehicle type), quarterly
405-0054	Canadian vehicle survey, passenger-kilometres for trucks over 4.5 tonnes, by vehicle group, type of vehicle and purpose of trip (specific to vehicle type), quarterly

405-0055	Canadian vehicle survey, number of vehicles on the registration lists, by type of vehicle, province and territory, annual
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405-0077	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and carrying dangerous goods, annual
405-0078	Canadian vehicle survey, passenger-kilometres, by type of vehicle and type of day, annual
405-0079	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and type of day, annual
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405-0081	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and type of road, annual
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405-0083	Canadian vehicle survey, passenger-kilometres, by type of vehicle, type of day and time of day, annual
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405-0112	Canadian vehicle survey, vehicle-kilometres for vehicles up to 4.5 tonnes, by origin and destination of trip, annual
405-0113	Canadian vehicle survey, passenger-kilometres for vehicles up to 4.5 tonnes, by origin and destination of trip, annual
405-0114	Canadian vehicle survey, vehicle-kilometres, by type of vehicle, type of fuel and type of vehicle body, annual
405-0115	Canadian vehicle survey, fuel consumed, by type of vehicle, type of fuel and type of vehicle body, annual
405-0116	Canadian vehicle survey, number of vehicles in scope, by type of vehicle and type of activity, annual
405-0117	Canadian vehicle survey, vehicle-kilometres and passenger-kilometres for trucks 4.5 tonnes to 14.9 tonnes, by type of activity, annual
405-0118	Canadian vehicle survey, vehicle-kilometres and passenger-kilometres for trucks 15 tonnes and over, by type of activity, annual
405-0119	Canadian vehicle survey, vehicle-kilometres and passenger-kilometres for trucks 4.5 tonnes to 14.9 tonnes, by type of trip, annual
405-0120	Canadian vehicle survey, vehicle-kilometres and passenger-kilometres for trucks 15 tonnes and over, by type of trip, annual

Selected surveys from Statistics Canada

2749	Canadian Vehicle Survey
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Statistical tables

Table 1
Number of vehicles on the registration lists by type of vehicle and jurisdiction

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	number			
Total - Canada				
Second quarter 2008	20,311,235	19,497,152	485,063	329,020
Third quarter 2008	20,688,701	19,828,472	512,853	347,376
Fourth quarter 2008	20,645,576	19,809,520	500,165	335,891
First quarter 2009	20,391,784	19,602,256	476,502	313,026
Newfoundland and Labrador				
Second quarter 2008	282,612	274,880	4,276	3,456
Third quarter 2008	291,988	283,491	4,429	4,068
Fourth quarter 2008	300,358	292,334	4,405	3,619
First quarter 2009	299,517	292,048	4,344	3,125
Prince Edward Island				
Second quarter 2008	82,516	78,360	1,442	2,714
Third quarter 2008	84,718	80,246	1,543	2,929
Fourth quarter 2008	84,687	80,376	1,470	2,841
First quarter 2009	83,479	79,535	1,339	2,605
Nova Scotia				
Second quarter 2008	545,983	528,623	9,219	8,141
Third quarter 2008	549,424	531,899	9,290	8,235
Fourth quarter 2008	562,988	546,304	8,783	7,901
First quarter 2009	554,443	538,833	8,309	7,301
New Brunswick				
Second quarter 2008	493,490	481,936	7,267	4,287
Third quarter 2008	506,315	492,774	8,113	5,428
Fourth quarter 2008	503,502	490,942	7,905	4,655
First quarter 2009	497,102	486,226	7,219	3,657
Quebec				
Second quarter 2008	4,569,322	4,477,198	56,513	35,611
Third quarter 2008	4,682,473	4,577,070	64,983	40,420
Fourth quarter 2008	4,698,848	4,597,516	61,341	39,991
First quarter 2009	4,620,527	4,536,669	50,564	33,294
Ontario				
Second quarter 2008	7,376,334	7,156,540	101,662	118,132
Third quarter 2008	7,458,016	7,231,247	104,980	121,789
Fourth quarter 2008	7,435,916	7,218,454	101,846	115,616
First quarter 2009	7,392,398	7,183,092	99,677	109,629
Manitoba				
Second quarter 2008	685,622	656,743	11,670	17,209
Third quarter 2008	703,146	673,359	12,184	17,603
Fourth quarter 2008	695,158	665,842	12,064	17,252
First quarter 2009	683,896	655,180	11,818	16,898
Saskatchewan				
Second quarter 2008	770,663	702,662	39,049	28,952
Third quarter 2008	802,526	726,139	44,384	32,003
Fourth quarter 2008	786,731	716,442	39,837	30,452
First quarter 2009	752,524	690,362	34,268	27,894
Alberta				
Second quarter 2008	2,760,114	2,543,423	126,701	89,990
Third quarter 2008	2,809,995	2,585,666	131,148	93,181
Fourth quarter 2008	2,815,301	2,591,304	131,568	92,429
First quarter 2009	2,796,474	2,577,344	130,171	88,959
British Columbia				
Second quarter 2008	2,687,517	2,545,691	124,172	17,654
Third quarter 2008	2,740,028	2,592,929	128,391	18,708
Fourth quarter 2008	2,702,259	2,556,458	127,622	18,179
First quarter 2009	2,653,612	2,511,224	125,595	16,793
Yukon				
Second quarter 2008	29,940	26,503	2,004	1,433
Third quarter 2008	31,335	27,634	2,218	1,483
Fourth quarter 2008	30,752	27,225	2,108	1,419
First quarter 2009	29,637	26,299	1,995	1,343

Table 1 – continued

Number of vehicles on the registration lists by type of vehicle and jurisdiction

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	number			
Northwest Territories				
Second quarter 2008	23,664	21,489	867	1,308
Third quarter 2008	24,933	22,655	929	1,349
Fourth quarter 2008	25,047	22,773	948	1,326
First quarter 2009	24,066	21,821	937	1,308
Nunavut				
Second quarter 2008	3,458	3,104	221	133
Third quarter 2008	3,804	3,363	261	180
Fourth quarter 2008	4,029	3,550	268	211
First quarter 2009	4,109	3,623	266	220

Table 2-1
Number of vehicles on the registration lists by jurisdiction and vehicle model year — Vehicles up to 4.5 tonnes

	Newfoundland and Labrador	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba
	number						
Total, all vehicle model years							
First quarter 2009	292,044	79,534	538,832	486,222	4,536,665	7,183,089	655,180
Earlier than 1991							
First quarter 2009	9,127	4,219	22,866	18,851	133,099	309,770	41,478
1991							
First quarter 2009	1,945	901	4,622	4,987	46,117	68,409	10,902
1992							
First quarter 2009	2,550	1,478	6,815	7,427	71,473	103,885	14,335
1993							
First quarter 2009	3,521	1,787	8,087	8,581	80,314	115,095	14,697
1994							
First quarter 2009	5,258	2,452	11,215	11,687	100,961	157,174	17,424
1995							
First quarter 2009	6,856	2,961	14,083	14,710	126,632	198,587	20,943
1996							
First quarter 2009	7,203	3,157	15,273	15,245	127,536	209,724	21,102
1997							
First quarter 2009	11,447	4,600	22,799	22,058	183,328	310,328	31,242
1998							
First quarter 2009	14,698	5,275	28,111	26,825	218,101	377,638	34,975
1999							
First quarter 2009	15,736	5,194	28,659	26,780	225,320	387,090	32,505
2000							
First quarter 2009	19,391	6,451	36,341	33,921	288,384	502,814	39,128
2001							
First quarter 2009	17,816	5,201	32,556	29,232	280,295	462,337	38,699
2002							
First quarter 2009	20,898	6,346	41,100	35,582	338,376	544,000	46,954
2003							
First quarter 2009	22,963	6,251	42,790	37,091	362,614	571,908	50,746
2004							
First quarter 2009	20,207	5,070	37,427	32,629	313,490	482,627	45,102
2005							
First quarter 2009	24,109	4,945	41,691	36,703	361,262	533,702	47,709
2006							
First quarter 2009	22,011	3,934	39,254	33,756	338,030	534,590	44,153
2007							
First quarter 2009	28,093	4,339	46,973	40,760	415,255	578,795	47,834
2008							
First quarter 2009	29,499	3,555	45,491	37,558	393,563	542,786	42,554
2009							
First quarter 2009	8,689	1,416	12,650	11,781	131,255	189,385	12,676
2010							
First quarter 2009	7	2	29	56	1,135	1,233	22
Year unknown							
First quarter 2009	20	0	0	2	126	1,213	0

Table 2-1 – continued

Number of vehicles on the registration lists by jurisdiction and vehicle model year — Vehicles up to 4.5 tonnes

	Saskat- chewan	Alberta	British Columbia	Yukon	Northwest Territories	Nunavut	Total
	number						
Total, all vehicle model years							
First quarter 2009	690,359	2,577,344	2,511,223	26,299	21,822	3,623	19,602,236
Earlier than 1991							
First quarter 2009	78,214	209,427	252,308	4,488	1,924	274	1,086,045
1991							
First quarter 2009	15,031	47,815	67,622	781	413	73	269,618
1992							
First quarter 2009	18,112	53,554	76,757	840	387	83	357,696
1993							
First quarter 2009	18,012	54,610	77,138	844	446	114	383,246
1994							
First quarter 2009	21,549	63,723	80,024	919	524	116	473,026
1995							
First quarter 2009	24,416	73,108	88,740	1,013	582	127	572,758
1996							
First quarter 2009	22,183	68,403	76,769	850	489	115	568,049
1997							
First quarter 2009	31,433	99,977	106,157	1,176	746	185	825,476
1998							
First quarter 2009	33,267	117,456	111,158	1,149	835	188	969,676
1999							
First quarter 2009	28,750	105,353	103,875	1,051	831	199	961,343
2000							
First quarter 2009	35,071	125,239	124,897	1,114	1,066	230	1,214,047
2001							
First quarter 2009	36,365	134,637	128,025	1,212	1,150	260	1,167,785
2002							
First quarter 2009	43,323	165,725	158,276	1,427	1,303	298	1,403,608
2003							
First quarter 2009	47,799	181,325	165,451	1,677	1,699	267	1,492,581
2004							
First quarter 2009	45,089	170,061	149,440	1,261	1,345	216	1,303,964
2005							
First quarter 2009	45,117	189,803	170,569	1,489	1,590	222	1,458,911
2006							
First quarter 2009	43,005	203,839	167,487	1,375	1,736	201	1,433,371
2007							
First quarter 2009	49,548	235,108	192,448	1,773	1,953	224	1,643,103
2008							
First quarter 2009	46,856	215,865	166,580	1,451	2,276	214	1,528,248
2009							
First quarter 2009	7,220	62,053	47,241	409	527	16	485,318
2010							
First quarter 2009	0	262	260	0	0	0	3,006
Year unknown							
First quarter 2009	0	0	0	0	0	1	1,362

Table 2-2
Number of vehicles on the registration lists by jurisdiction and vehicle model year — Trucks 4.5 tonnes to 14.9 tonnes

	Newfoundland and Labrador	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba
	number						
Total, all vehicle model years							
First quarter 2009	4,342	1,336	8,310	7,218	50,564	99,680	11,820
Earlier than 1991							
First quarter 2009	952	632	1,725	776	11,129	7,234	2,854
1991							
First quarter 2009	95	40	162	108	1,079	1,107	258
1992							
First quarter 2009	90	37	146	130	1,006	1,206	226
1993							
First quarter 2009	93	39	170	128	1,143	1,551	288
1994							
First quarter 2009	124	48	167	161	1,610	1,934	345
1995							
First quarter 2009	177	55	326	208	2,158	2,745	457
1996							
First quarter 2009	108	33	218	160	1,402	2,264	318
1997							
First quarter 2009	147	43	288	236	1,477	3,308	435
1998							
First quarter 2009	138	38	292	246	1,938	3,648	382
1999							
First quarter 2009	213	73	469	398	2,906	6,029	541
2000							
First quarter 2009	211	41	446	319	2,505	5,581	426
2001							
First quarter 2009	189	41	360	320	2,010	5,698	514
2002							
First quarter 2009	224	40	367	362	1,872	5,776	443
2003							
First quarter 2009	194	38	465	601	2,428	7,126	546
2004							
First quarter 2009	179	28	467	600	2,354	7,087	544
2005							
First quarter 2009	262	19	494	540	2,997	8,141	736
2006							
First quarter 2009	323	32	595	603	2,980	9,148	767
2007							
First quarter 2009	229	26	529	516	3,233	8,607	683
2008							
First quarter 2009	350	24	523	702	2,638	9,449	907
2009							
First quarter 2009	43	8	101	103	1,643	2,001	149
2010							
First quarter 2009	0	0	0	0	14	5	1
Year unknown							
First quarter 2009	1	0	0	1	42	35	0

Table 2-2 – continued

Number of vehicles on the registration lists by jurisdiction and vehicle model year — Trucks 4.5 tonnes to 14.9 tonnes

	Saskat- chewan	Alberta	British Columbia	Yukon	Northwest Territories	Nunavut	Total
	number						
Total, all vehicle model years							
First quarter 2009	34,270	130,171	125,591	1,995	938	266	476,501
Earlier than 1991							
First quarter 2009	17,532	26,347	14,924	518	162	77	84,862
1991							
First quarter 2009	375	1,381	2,137	33	16	2	6,793
1992							
First quarter 2009	357	1,263	2,335	45	13	4	6,858
1993							
First quarter 2009	427	1,357	2,729	37	12	11	7,985
1994							
First quarter 2009	467	1,749	3,158	42	15	7	9,827
1995							
First quarter 2009	612	2,285	3,672	33	28	26	12,782
1996							
First quarter 2009	412	1,655	2,850	37	17	6	9,480
1997							
First quarter 2009	591	2,661	3,667	69	23	13	12,958
1998							
First quarter 2009	623	2,733	3,290	43	20	10	13,401
1999							
First quarter 2009	712	3,721	4,426	72	36	16	19,612
2000							
First quarter 2009	640	3,261	4,289	50	37	13	17,819
2001							
First quarter 2009	907	5,157	5,219	63	31	10	20,519
2002							
First quarter 2009	780	4,382	5,428	67	24	6	19,771
2003							
First quarter 2009	933	5,393	8,925	105	37	8	26,799
2004							
First quarter 2009	787	4,946	9,489	108	40	12	26,641
2005							
First quarter 2009	1,597	9,793	10,652	125	70	4	35,430
2006							
First quarter 2009	1,973	14,097	12,804	161	85	16	43,584
2007							
First quarter 2009	1,713	15,463	11,890	180	84	10	43,163
2008							
First quarter 2009	2,772	20,209	12,612	193	154	14	50,547
2009							
First quarter 2009	60	2,314	1,095	14	34	1	7,566
2010							
First quarter 2009	0	5	0	0	0	0	25
Year unknown							
First quarter 2009	0	0	0	0	0	0	79

Table 2-3
Number of vehicles on the registration lists by jurisdiction and vehicle model year — Trucks 15 tonnes or more

	Newfoundland and Labrador	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba
	number						
Total, all vehicle model years							
First quarter 2009	3,127	2,604	7,300	3,657	33,295	109,629	16,898
Earlier than 1991							
First quarter 2009	413	1,383	809	884	1,158	7,557	2,100
1991							
First quarter 2009	45	106	71	85	133	985	152
1992							
First quarter 2009	47	48	75	51	209	1,009	173
1993							
First quarter 2009	49	74	113	104	274	1,269	298
1994							
First quarter 2009	82	81	180	147	532	1,927	410
1995							
First quarter 2009	128	149	252	196	926	3,330	547
1996							
First quarter 2009	119	101	218	135	706	2,549	489
1997							
First quarter 2009	83	60	223	108	795	2,903	501
1998							
First quarter 2009	158	97	353	197	1,506	5,290	777
1999							
First quarter 2009	163	93	427	211	1,752	6,815	874
2000							
First quarter 2009	199	76	503	186	2,543	8,381	1,072
2001							
First quarter 2009	133	52	263	115	1,646	5,496	724
2002							
First quarter 2009	100	18	241	90	1,011	4,433	457
2003							
First quarter 2009	149	32	347	119	2,115	6,427	817
2004							
First quarter 2009	134	30	470	153	2,085	6,867	898
2005							
First quarter 2009	228	33	629	194	4,115	10,847	1,259
2006							
First quarter 2009	239	43	554	221	3,863	10,345	1,276
2007							
First quarter 2009	351	57	777	201	4,545	13,371	2,113
2008							
First quarter 2009	147	45	449	152	1,553	5,108	1,035
2009							
First quarter 2009	154	25	337	105	1,800	4,628	899
2010							
First quarter 2009	3	0	9	3	27	71	26
Year unknown							
First quarter 2009	2	0	0	0	2	21	0

Table 2-3 – continued

Number of vehicles on the registration lists by jurisdiction and vehicle model year — Trucks 15 tonnes or more

	Saskat- chewan	Alberta	British Columbia	Yukon	Northwest Territories	Nunavut	Total
	number						
Total, all vehicle model years							
First quarter 2009	27,896	88,961	16,791	1,340	1,306	220	313,024
Earlier than 1991							
First quarter 2009	8,483	18,722	2,988	207	179	37	44,920
1991							
First quarter 2009	507	1,183	365	17	16	9	3,674
1992							
First quarter 2009	458	955	471	29	16	5	3,546
1993							
First quarter 2009	761	1,421	428	23	23	4	4,841
1994							
First quarter 2009	1,040	2,167	547	28	36	7	7,184
1995							
First quarter 2009	1,496	2,723	638	42	42	9	10,478
1996							
First quarter 2009	1,090	2,299	586	39	47	9	8,387
1997							
First quarter 2009	1,163	2,741	676	37	49	6	9,345
1998							
First quarter 2009	1,604	3,963	677	47	65	9	14,743
1999							
First quarter 2009	1,434	3,471	623	38	56	19	15,976
2000							
First quarter 2009	1,418	3,792	547	62	72	7	18,858
2001							
First quarter 2009	1,012	3,466	597	54	56	10	13,624
2002							
First quarter 2009	579	2,741	585	41	43	3	10,342
2003							
First quarter 2009	802	3,039	629	53	57	15	14,601
2004							
First quarter 2009	868	3,901	851	55	64	13	16,389
2005							
First quarter 2009	1,069	5,973	1,175	88	80	9	25,699
2006							
First quarter 2009	1,011	7,633	1,440	133	111	13	26,882
2007							
First quarter 2009	1,548	11,157	1,658	213	179	21	36,191
2008							
First quarter 2009	856	4,036	836	77	41	10	14,345
2009							
First quarter 2009	696	3,511	473	56	72	5	12,761
2010							
First quarter 2009	1	68	1	2	2	0	213
Year unknown							
First quarter 2009	0	0	0	0	0	0	25

Table 3-1
Estimates of number of vehicles in scope for Canada by type of vehicle and jurisdiction

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions				
Total - Canada				
Second quarter 2008	20,027,173 ^A	19,283,943 ^A	416,309 ^A	326,921 ^A
Third quarter 2008	20,345,355 ^A	19,569,507 ^A	432,136 ^A	343,711 ^A
Fourth quarter 2008	20,440,386 ^A	19,684,864 ^A	425,532 ^A	329,990 ^A
First quarter 2009	20,117,512^A	19,398,120^A	411,444^A	307,949^A
Newfoundland and Labrador				
Second quarter 2008	276,582 ^A	269,245 ^A	3,883 ^C	3,454 ^C
Third quarter 2008	287,246 ^A	279,246 ^A	4,213 ^B	3,787 ^B
Fourth quarter 2008	299,830 ^A	292,765 ^A	3,487 ^C	3,578 ^B
First quarter 2009	288,447^A	282,455^A	3,297^C	2,695^D
Prince Edward Island				
Second quarter 2008	81,735 ^A	77,770 ^A	1,130 ^D	2,835 ^A
Third quarter 2008	81,277 ^A	77,076 ^A	1,218 ^C	2,983 ^A
Fourth quarter 2008	84,375 ^A	80,376 ^A	1,326 ^B	2,673 ^C
First quarter 2009	82,677^A	78,976^A	1,340^A	2,361^C
Nova Scotia				
Second quarter 2008	551,160 ^A	535,184 ^A	8,195 ^E	7,781 ^B
Third quarter 2008	553,096 ^A	535,933 ^A	9,147 ^A	8,016 ^A
Fourth quarter 2008	550,201 ^A	534,936 ^A	7,274 ^B	7,991 ^B
First quarter 2009	546,872^A	532,176^A	7,071^B	7,625^B
New Brunswick				
Second quarter 2008	478,639 ^A	469,302 ^A	5,297 ^C	4,040 ^B
Third quarter 2008	495,272 ^A	483,886 ^A	6,070 ^B	5,316 ^A
Fourth quarter 2008	482,263 ^A	470,969 ^A	6,488 ^B	4,807 ^A
First quarter 2009	482,546^A	474,489^A	4,399^D	3,658^A
Quebec				
Second quarter 2008	4,494,024 ^A	4,410,056 ^A	42,420 ^B	41,547 ^A
Third quarter 2008	4,580,164 ^A	4,485,416 ^A	47,913 ^B	46,835 ^B
Fourth quarter 2008	4,677,486 ^A	4,591,757 ^A	43,755 ^B	41,975 ^A
First quarter 2009	4,553,229^A	4,475,103^A	41,271^B	36,855^A
Ontario				
Second quarter 2008	7,266,688 ^A	7,066,433 ^A	85,809 ^B	114,447 ^A
Third quarter 2008	7,325,806 ^A	7,119,378 ^A	89,233 ^B	117,195 ^A
Fourth quarter 2008	7,329,885 ^A	7,137,849 ^A	79,914 ^B	112,123 ^A
First quarter 2009	7,280,400^A	7,092,339^A	84,541^B	103,519^A
Manitoba				
Second quarter 2008	674,597 ^A	647,459 ^A	10,963 ^B	16,175 ^B
Third quarter 2008	703,928 ^A	675,029 ^A	11,296 ^B	17,603 ^A
Fourth quarter 2008	690,381 ^A	661,864 ^A	11,555 ^A	16,962 ^A
First quarter 2009	681,959^A	654,400^A	10,662^B	16,898^A
Saskatchewan				
Second quarter 2008	761,466 ^A	695,377 ^A	38,630 ^A	27,459 ^A
Third quarter 2008	805,691 ^A	736,692 ^A	38,808 ^B	30,191 ^B
Fourth quarter 2008	790,798 ^A	722,041 ^A	39,109 ^A	29,649 ^A
First quarter 2009	756,937^A	697,364^A	32,745^A	26,828^A
Alberta				
Second quarter 2008	2,709,536 ^A	2,501,272 ^A	118,747 ^A	89,517 ^A
Third quarter 2008	2,737,334 ^A	2,516,283 ^A	130,514 ^A	90,538 ^A
Fourth quarter 2008	2,800,225 ^A	2,583,793 ^A	125,361 ^A	91,071 ^A
First quarter 2009	2,768,132^A	2,551,573^A	127,997^A	88,561^A
British Columbia				
Second quarter 2008	2,675,349 ^A	2,560,158 ^A	98,385 ^B	16,806 ^A
Third quarter 2008	2,716,940 ^A	2,608,287 ^A	90,624 ^B	18,029 ^A
Fourth quarter 2008	2,675,149 ^A	2,555,117 ^A	104,122 ^B	15,911 ^B
First quarter 2009	2,619,353^A	2,508,434^A	95,035^B	15,883^A
Yukon				
Second quarter 2008	29,918 ^A	26,557 ^A	1,941 ^A	1,420 ^C
Third quarter 2008	30,322 ^A	26,863 ^A	1,976 ^B	1,483 ^A
Fourth quarter 2008	30,392 ^A	26,969 ^A	2,052 ^A	1,371 ^C
First quarter 2009	28,660^A	25,410^A	1,850^B	1,399^A

Table 3-1 – continued

Estimates of number of vehicles in scope for Canada by type of vehicle and jurisdiction

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions				
Northwest Territories				
Second quarter 2008	24,146 ^A	21,797 ^A	909 ^A	1,440 ^B
Third quarter 2008	24,549 ^A	22,063 ^A	929 ^A	1,557 ^A
Fourth quarter 2008	25,658 ^A	23,034 ^A	911 ^B	1,713 ^A
First quarter 2009	24,073^A	21,657^A	970^A	1,445^A
Nunavut				
Second quarter 2008	3,333 ^A	3,333 ^A	F	F
Third quarter 2008	3,731 ^A	3,356 ^A	F	180 ^A
Fourth quarter 2008	3,741 ^B	3,394 ^A	F	F
First quarter 2009	4,229^A	3,743^A	266^A	220^A

Table 3-2

Estimates of number of vehicles in scope for Canada by type of vehicle and vehicle model year

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions				
Total, all vehicle model years				
First quarter 2009	20,117,512^A	19,398,120^A	411,444^A	307,949^A
Later than 2006				
First quarter 2009	3,110,731^B	2,958,601^B	85,787^C	66,342^B
2004 to 2006				
First quarter 2009	4,304,742^A	4,160,311^A	86,178^C	58,254^B
2000 to 2003				
First quarter 2009	5,972,176^A	5,825,445^A	89,679^C	57,052^B
1996 to 1999				
First quarter 2009	3,348,429^A	3,261,662^A	35,295^E	51,471^C
Earlier than 1996				
First quarter 2009	3,381,434^A	3,192,101^A	114,504^B	74,829^B

Table 3-3
Estimates of number of vehicles in scope for Canada by type of vehicle and vehicle body type

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions				
Total, all vehicle body types				
Second quarter 2008	20,027,173 A	19,283,943 A	416,309 A	326,921 A
Third quarter 2008	20,345,355 A	19,569,507 A	432,136 A	343,711 A
Fourth quarter 2008	20,440,386 A	19,684,864 A	425,532 A	329,990 A
First quarter 2009	20,117,512 A	19,398,120 A	411,444 A	307,949 A
Car				
Second quarter 2008	10,545,243 A	10,545,065 A	...	...
Third quarter 2008	10,424,840 A	10,424,775 A	...	...
Fourth quarter 2008	10,347,605 A	10,347,605 A	...	...
First quarter 2009	10,390,834 A	10,390,834 A	...	...
Station wagon				
Second quarter 2008	610,159 C	610,159 C	...	...
Third quarter 2008	785,636 C	785,636 C	...	...
Fourth quarter 2008	673,396 C	673,396 C	...	...
First quarter 2009	744,087 C	742,453 C	...	...
Van				
Second quarter 2008	2,625,568 B	2,602,409 B	23,159 E	...
Third quarter 2008	2,521,136 B	2,513,035 B	F	...
Fourth quarter 2008	2,665,580 B	2,650,840 B	14,740 E	...
First quarter 2009	2,667,139 B	2,645,874 B	21,265 E	...
Sport utility vehicle				
Second quarter 2008	2,306,659 B	2,306,659 B	...	...
Third quarter 2008	2,356,290 B	2,356,290 B	...	...
Fourth quarter 2008	2,492,271 B	2,492,271 B	...	...
First quarter 2009	2,293,223 B	2,293,223 B	...	...
Pickup				
Second quarter 2008	3,217,334 B	3,130,145 B	87,189 C	F
Third quarter 2008	3,505,896 B	3,438,611 B	66,484 C	F
Fourth quarter 2008	3,592,183 B	3,490,367 B	101,815 C	F
First quarter 2009	3,380,367 A	3,296,503 A	83,864 C	F
Straight truck				
Second quarter 2008	429,498 B	F	278,064 A	111,155 B
Third quarter 2008	498,162 B	F	327,999 A	127,954 B
Fourth quarter 2008	408,273 A	F	279,949 A	109,967 B
First quarter 2009	402,737 B	F	271,250 B	106,617 B
Tractor trailer				
Second quarter 2008	261,129 B	...	18,389 E	213,950 A
Third quarter 2008	244,374 B	...	20,866 E	214,557 A
Fourth quarter 2008	234,519 A	...	17,488 E	217,031 A
First quarter 2009	223,331 A	...	26,680 E	196,652 A
Bus				
Second quarter 2008	F	...	F	...
Third quarter 2008	F	...	F	...
Fourth quarter 2008	F	...	F	...
First quarter 2009	F	...	F	...
Other vehicle type				
Second quarter 2008	F	F	F	F
Third quarter 2008	F	F	F	F
Fourth quarter 2008	F	F	F	F
First quarter 2009	F	F	F	F

Table 3-4
Estimates of number of vehicles in scope for Canada by type of vehicle and type of fuel

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions			
Total, all fuel types				
Second quarter 2008	20,027,173 ^A	19,283,943 ^A	416,309 ^A	326,921 ^A
Third quarter 2008	20,345,355 ^A	19,569,507 ^A	432,136 ^A	343,711 ^A
Fourth quarter 2008	20,440,386 ^A	19,684,864 ^A	425,532 ^A	329,990 ^A
First quarter 2009	20,117,512^A	19,398,120^A	411,444^A	307,949^A
Gasoline				
Second quarter 2008	18,767,142 ^A	18,650,484 ^A	113,480 ^B	F
Third quarter 2008	19,039,890 ^A	18,921,936 ^A	111,706 ^C	F
Fourth quarter 2008	19,182,103 ^A	19,078,202 ^A	94,277 ^B	9,624 ^E
First quarter 2009	18,941,090^A	18,821,552^A	108,109^B	11,429^E
Diesel				
Second quarter 2008	1,173,616 ^B	553,790 ^C	297,364 ^A	322,462 ^A
Third quarter 2008	1,186,794 ^B	532,929 ^C	316,402 ^A	337,463 ^A
Fourth quarter 2008	1,186,622 ^B	546,232 ^C	320,024 ^A	320,366 ^A
First quarter 2009	1,064,860^B	471,782^C	296,558^A	296,520^A
Other fuel type				
Second quarter 2008	F	F	F	F
Third quarter 2008	118,671 ^E	114,642 ^E	F	F
Fourth quarter 2008	F	F	F	F
First quarter 2009	F	F	F	F

Table 4-1
Estimates of vehicle-kilometres for Canada by type of vehicle and jurisdiction

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions				
Total - Canada				
Second quarter 2008	82,615.8 A	74,497.4 A	2,218.5 B	5,899.8 B
Third quarter 2008	88,361.6 A	80,140.1 A	2,194.9 B	6,026.6 B
Fourth quarter 2008	81,836.6 A	74,419.9 A	2,052.0 B	5,364.7 B
First quarter 2009	70,800.8 A	64,246.3 A	1,591.9 C	4,962.6 B
Newfoundland and Labrador				
Second quarter 2008	1,564.3 C	1,500.0 C	18.9 E	45.4 C
Third quarter 2008	1,329.7 C	1,237.0 C	21.1 E	71.7 E
Fourth quarter 2008	1,515.9 B	1,479.9 B	12.1 E	24.0 D
First quarter 2009	930.7 D	884.0 D	14.1 C	F
Prince Edward Island				
Second quarter 2008	251.4 C	231.1 C	F	17.4 E
Third quarter 2008	319.9 D	297.3 D	F	F
Fourth quarter 2008	425.4 B	414.6 B	F	8.6 E
First quarter 2009	303.0 B	299.6 C	F	F
Nova Scotia				
Second quarter 2008	2,706.8 B	2,569.8 B	34.7 D	102.3 C
Third quarter 2008	2,417.6 B	2,257.8 B	33.5 E	126.3 C
Fourth quarter 2008	2,318.4 C	2,174.5 C	31.3 E	112.6 E
First quarter 2009	1,960.3 C	1,844.2 C	26.6 E	89.6 D
New Brunswick				
Second quarter 2008	1,995.4 C	1,923.4 C	38.3 C	33.7 E
Third quarter 2008	2,119.3 B	2,042.1 B	31.5 E	45.8 E
Fourth quarter 2008	1,801.2 C	1,728.5 C	29.1 E	43.6 E
First quarter 2009	1,950.8 C	1,930.2 C	F	13.6 E
Quebec				
Second quarter 2008	17,445.9 A	16,120.5 A	312.8 C	1,012.6 C
Third quarter 2008	17,113.0 B	15,983.5 B	298.7 C	830.8 C
Fourth quarter 2008	17,957.6 B	16,789.6 B	235.1 C	932.9 C
First quarter 2009	14,762.8 B	13,722.7 B	208.9 D	831.2 C
Ontario				
Second quarter 2008	29,803.4 B	26,909.9 B	472.6 C	2,420.9 C
Third quarter 2008	36,408.5 B	33,425.4 B	513.6 C	2,469.5 B
Fourth quarter 2008	30,919.7 B	28,290.2 B	409.7 C	2,219.8 B
First quarter 2009	26,676.6 A	24,585.0 B	328.5 E	1,763.2 B
Manitoba				
Second quarter 2008	3,055.4 B	2,545.1 B	51.3 D	459.0 E
Third quarter 2008	2,919.5 C	2,445.6 C	56.0 E	417.9 C
Fourth quarter 2008	2,873.5 B	2,541.9 B	46.2 D	285.4 D
First quarter 2009	2,474.7 B	2,134.8 B	34.3 E	305.7 E
Saskatchewan				
Second quarter 2008	3,169.4 B	2,651.0 C	148.1 D	370.3 C
Third quarter 2008	3,925.3 B	3,558.9 B	121.4 E	244.9 D
Fourth quarter 2008	3,235.2 B	2,830.3 C	129.2 E	275.6 D
First quarter 2009	2,635.8 B	2,303.2 C	85.5 E	247.0 C
Alberta				
Second quarter 2008	12,717.1 B	10,769.3 B	644.2 C	1,303.5 D
Third quarter 2008	12,580.2 B	10,342.8 B	680.5 C	1,556.8 C
Fourth quarter 2008	11,493.9 B	9,461.1 B	730.8 C	1,302.0 C
First quarter 2009	10,914.3 B	8,991.6 B	425.0 E	1,497.7 B
British Columbia				
Second quarter 2008	9,650.3 B	9,086.4 B	481.3 E	82.6 D
Third quarter 2008	8,960.7 B	8,357.3 B	419.0 C	184.4 C
Fourth quarter 2008	9,064.8 B	8,532.2 B	416.1 C	116.6 C
First quarter 2009	7,996.6 B	7,419.0 B	449.3 D	128.2 D
Yukon				
Second quarter 2008	130.2 B	86.6 B	8.5 D	35.1 E
Third quarter 2008	137.4 C	92.3 C	10.7 E	F
Fourth quarter 2008	127.1 E	106.4 E	5.4 D	15.2 E
First quarter 2009	106.6 C	70.6 D	6.8 E	29.1 C

Table 4-1 – continued

Estimates of vehicle-kilometres for Canada by type of vehicle and jurisdiction

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions			
Northwest Territories				
Second quarter 2008	117.1 ^E	95.3 ^E	4.7 ^E	17.0 ^E
Third quarter 2008	121.0 ^C	91.0 ^D	3.0 ^C	27.1 ^E
Fourth quarter 2008	96.4 ^C	63.7 ^C	4.3 ^E	28.4 ^E
First quarter 2009	82.4^C	56.2^C	F	21.6^E
Nunavut				
Second quarter 2008	9.1 ^E	9.1 ^E	F	F
Third quarter 2008	9.4 ^E	9.0 ^E	F	F
Fourth quarter 2008	7.6 ^E	7.0 ^E	F	F
First quarter 2009	6.3^E	5.3^D	F	F

Table 4-2

Estimates of vehicle-kilometres for Canada by type of vehicle and vehicle model year

	Total, all vehicle	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions			
Total, all vehicle model years				
First quarter 2009	70,800.8^A	64,246.3^A	1,591.9^C	4,962.6^B
Later than 2006				
First quarter 2009	14,565.1^B	12,321.9^B	519.3^D	1,724.0^B
2004 to 2006				
First quarter 2009	17,115.2^B	15,208.0^B	434.6^D	1,472.6^C
2000 to 2003				
First quarter 2009	22,827.1^A	21,444.5^A	359.6^D	1,023.0^C
1996 to 1999				
First quarter 2009	9,403.5^B	8,664.7^B	164.8^E	573.9^E
Earlier than 1996				
First quarter 2009	6,889.8^B	6,607.1^B	F	F

Table 4-3
Estimates of vehicle-kilometres for Canada by type of vehicle and vehicle body type

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions				
Total, all vehicle body types				
Second quarter 2008	82,615.8 ^A	74,497.4 ^A	2,218.5 ^B	5,899.8 ^B
Third quarter 2008	88,361.6 ^A	80,140.1 ^A	2,194.9 ^B	6,026.6 ^B
Fourth quarter 2008	81,836.6 ^A	74,419.9 ^A	2,052.0 ^B	5,364.7 ^B
First quarter 2009	70,800.8^A	64,246.3^A	1,591.9^C	4,962.6^B
Car				
Second quarter 2008	38,186.2 ^A	38,186.2 ^A	...	...
Third quarter 2008	39,888.1 ^A	39,887.8 ^A	...	...
Fourth quarter 2008	35,941.0 ^A	35,941.0 ^A	...	...
First quarter 2009	31,986.3^A	31,986.3^A	...	...
Station wagon				
Second quarter 2008	2,161.8 ^D	2,161.8 ^D	...	...
Third quarter 2008	3,178.3 ^D	3,178.3 ^D	...	...
Fourth quarter 2008	3,255.3 ^D	3,255.3 ^D	...	...
First quarter 2009	2,523.1^D	2,519.8^D	...	...
Van				
Second quarter 2008	11,885.0 ^B	11,785.0 ^B	F	...
Third quarter 2008	12,258.0 ^B	12,193.3 ^B	F	...
Fourth quarter 2008	10,870.1 ^B	10,784.1 ^B	86.0 ^E	...
First quarter 2009	9,077.9^B	8,981.3^B	F	...
Sport utility vehicle				
Second quarter 2008	10,482.6 ^B	10,482.6 ^B	...	...
Third quarter 2008	10,068.6 ^B	10,068.6 ^B	...	...
Fourth quarter 2008	10,253.4 ^B	10,253.4 ^B	...	...
First quarter 2009	9,596.5^B	9,596.5^B	...	...
Pickup				
Second quarter 2008	12,091.3 ^B	11,630.3 ^B	461.0 ^C	F
Third quarter 2008	15,056.8 ^B	14,639.3 ^B	408.1 ^D	F
Fourth quarter 2008	14,519.2 ^B	13,949.4 ^B	569.7 ^D	F
First quarter 2009	11,496.6^B	11,109.3^B	387.3^E	F
Straight truck				
Second quarter 2008	2,593.3 ^B	F	1,535.2 ^B	893.3 ^D
Third quarter 2008	2,517.8 ^C	F	1,563.8 ^E	811.0 ^E
Fourth quarter 2008	2,139.3 ^B	F	1,287.9 ^B	766.8 ^D
First quarter 2009	1,844.3^C	F	1,018.0^D	781.2^D
Tractor trailer				
Second quarter 2008	5,209.6 ^B	...	116.4 ^E	5,006.4 ^B
Third quarter 2008	5,391.3 ^B	...	155.4 ^E	5,206.3 ^B
Fourth quarter 2008	4,658.8 ^B	...	63.2 ^E	4,595.6 ^B
First quarter 2009	4,258.3^B	...	F	4,180.5^B
Bus				
Second quarter 2008	F	...	F	...
Third quarter 2008	F	...	F	...
Fourth quarter 2008	F	...	F	...
First quarter 2009	F	...	F	...
Other vehicle type				
Second quarter 2008	F	F	F	F
Third quarter 2008	F	F	F	F
Fourth quarter 2008	199.0 ^E	152.1 ^E	F	F
First quarter 2009	F	F	F	F

Table 4-4
Estimates of vehicle-kilometres for Canada by type of vehicle and type of fuel

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions			
Total, all fuel types				
Second quarter 2008	82,615.8 ^A	74,497.4 ^A	2,218.5 ^B	5,899.8 ^B
Third quarter 2008	88,361.6 ^A	80,140.1 ^A	2,194.9 ^B	6,026.6 ^B
Fourth quarter 2008	81,836.6 ^A	74,419.9 ^A	2,052.0 ^B	5,364.7 ^B
First quarter 2009	70,800.8^A	64,246.3^A	1,591.9^C	4,962.6^B
Gasoline				
Second quarter 2008	72,252.1 ^A	71,855.0 ^A	378.1 ^D	18.9 ^E
Third quarter 2008	77,584.5 ^A	77,354.9 ^A	218.6 ^E	F
Fourth quarter 2008	71,820.1 ^A	71,606.0 ^A	212.0 ^E	F
First quarter 2009	62,315.8^A	62,145.0^A	F	F
Diesel				
Second quarter 2008	9,922.8 ^B	2,223.5 ^D	1,830.7 ^B	5,868.6 ^B
Third quarter 2008	10,395.5 ^A	2,409.8 ^C	1,970.1 ^B	6,015.6 ^B
Fourth quarter 2008	9,390.1 ^B	2,214.7 ^E	1,812.8 ^B	5,362.6 ^B
First quarter 2009	8,276.3^A	1,905.3^C	1,413.2^B	4,957.7^B
Other fuel type				
Second quarter 2008	440.9 ^E	419.0 ^E	F	F
Third quarter 2008	F	F	F	F
Fourth quarter 2008	626.4 ^E	599.2 ^E	F	F
First quarter 2009	F	F	F	F

Table 5-1
Estimates of passenger-kilometres for provinces only by type of vehicle and jurisdiction

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions				
Total				
Second quarter 2008	130,832.6 A	121,300.6 A	3,040.1 B	6,491.9 B
Third quarter 2008	139,915.9 A	130,581.8 A	2,793.3 B	6,540.7 B
Fourth quarter 2008	130,002.9 A	120,909.9 A	3,040.3 B	6,052.8 B
First quarter 2009	108,420.6 A	101,028.1 A	2,190.9 C	5,201.5 B
Newfoundland and Labrador				
Second quarter 2008	3,072.9 D	3,000.5 D	F	50.3 E
Third quarter 2008	2,565.0 D	2,470.7 D	21.8 E	72.4 E
Fourth quarter 2008	2,925.7 C	2,883.7 C	12.9 E	29.1 C
First quarter 2009	1,649.9 D	1,597.0 D	16.6 B	36.3 E
Prince Edward Island				
Second quarter 2008	363.5 C	341.5 C	F	19.0 D
Third quarter 2008	490.1 D	464.3 D	F	F
Fourth quarter 2008	754.1 B	742.2 B	F	9.7 E
First quarter 2009	490.7 D	486.3 D	F	F
Nova Scotia				
Second quarter 2008	4,513.0 C	4,342.2 C	42.2 C	128.6 E
Third quarter 2008	4,114.3 C	3,936.4 C	43.1 E	134.7 C
Fourth quarter 2008	3,730.5 C	3,550.2 D	35.4 E	144.8 E
First quarter 2009	3,142.4 C	2,990.7 C	32.7 B	119.0 E
New Brunswick				
Second quarter 2008	3,151.6 D	3,064.1 D	47.4 D	F
Third quarter 2008	3,662.7 D	3,573.2 D	F	F
Fourth quarter 2008	3,111.4 D	3,032.5 D	35.3 E	43.6 E
First quarter 2009	3,051.7 E	3,026.9 E	7.8 E	16.9 E
Quebec				
Second quarter 2008	28,270.3 B	26,852.7 B	367.9 C	1,049.7 C
Third quarter 2008	27,563.4 C	26,343.9 C	374.6 C	844.9 C
Fourth quarter 2008	29,161.5 B	27,753.9 B	306.7 B	1,100.9 E
First quarter 2009	22,645.4 B	21,529.9 B	243.2 D	872.3 C
Ontario				
Second quarter 2008	46,130.3 B	42,573.6 B	609.1 C	2,947.6 C
Third quarter 2008	56,860.6 B	53,635.6 B	615.3 C	2,609.7 C
Fourth quarter 2008	48,189.6 B	45,141.9 B	517.4 C	2,530.2 B
First quarter 2009	40,285.7 B	38,028.4 B	434.2 E	1,823.1 B
Manitoba				
Second quarter 2008	4,709.0 C	4,160.5 C	80.8 E	467.7 E
Third quarter 2008	4,738.6 C	4,131.5 C	83.7 E	523.5 D
Fourth quarter 2008	4,584.7 D	4,216.9 D	76.7 D	291.1 E
First quarter 2009	3,889.5 C	3,515.9 C	F	F
Saskatchewan				
Second quarter 2008	5,112.1 D	4,548.2 D	177.7 E	386.1 C
Third quarter 2008	6,453.7 C	6,017.1 D	F	266.8 E
Fourth quarter 2008	5,138.5 D	4,543.4 D	242.5 E	352.5 E
First quarter 2009	4,256.2 D	3,869.7 D	134.9 E	251.6 C
Alberta				
Second quarter 2008	19,489.7 D	17,334.8 D	836.6 E	1,318.3 E
Third quarter 2008	19,014.8 B	16,274.3 B	905.4 D	1,835.2 D
Fourth quarter 2008	18,044.2 C	15,420.9 C	1,211.7 C	1,411.6 E
First quarter 2009	16,709.2 C	14,454.7 C	F	1,630.9 B
British Columbia				
Second quarter 2008	16,020.2 B	15,082.6 C	853.2 D	84.4 D
Third quarter 2008	14,452.8 B	13,734.8 B	529.7 C	188.3 B
Fourth quarter 2008	14,362.7 B	13,624.1 B	599.4 C	139.3 C
First quarter 2009	12,299.9 B	11,528.6 B	642.4 D	128.9 C

Table 5-2
Estimates of passenger-kilometres for provinces only by type of vehicle and vehicle model year

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions			
Total, all vehicle model years				
First quarter 2009	108,420.6 ^A	101,028.1 ^A	2,190.9 ^C	5,201.5 ^B
Later than 2006				
First quarter 2009	21,750.9 ^B	19,216.4 ^B	771.1 ^E	1,763.4 ^B
2004 to 2006				
First quarter 2009	25,593.8 ^B	23,468.1 ^B	615.7 ^D	1,509.9 ^B
2000 to 2003				
First quarter 2009	36,186.1 ^A	34,649.2 ^A	445.9 ^E	1,091.0 ^B
1996 to 1999				
First quarter 2009	14,220.9 ^B	13,379.5 ^E	F	647.4 ^E
Earlier than 1996				
First quarter 2009	10,668.9 ^B	10,315.0 ^B	F	F

Table 5-3
Estimates of passenger-kilometres for provinces only by type of vehicle and vehicle body type

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions				
Total, all vehicle body types				
Second quarter 2008	130,832.6 ^A	121,300.6 ^A	3,040.1 ^B	6,491.9 ^B
Third quarter 2008	139,915.9 ^A	130,581.8 ^A	2,793.3 ^B	6,540.7 ^B
Fourth quarter 2008	130,002.9 ^A	120,909.9 ^A	3,040.3 ^B	6,052.8 ^B
First quarter 2009	108,420.6^A	101,028.1^A	2,190.9^C	5,201.5^B
Car				
Second quarter 2008	61,737.5 ^B	61,737.5 ^B	...	...
Third quarter 2008	64,934.9 ^B	64,934.9 ^B	...	...
Fourth quarter 2008	56,354.5 ^A	56,354.5 ^A	...	...
First quarter 2009	48,208.9^A	48,208.9^A	...	...
Station wagon				
Second quarter 2008	3,001.1 ^D	3,001.1 ^D	...	...
Third quarter 2008	4,305.7 ^D	4,305.7 ^D	...	...
Fourth quarter 2008	4,602.9 ^C	4,602.9 ^C	...	...
First quarter 2009	3,949.0^C	3,945.1^C	...	...
Van				
Second quarter 2008	22,816.9 ^B	22,670.6 ^B	146.3 ^E	...
Third quarter 2008	23,026.7 ^B	22,949.6 ^B	F	...
Fourth quarter 2008	21,043.8 ^B	20,954.0 ^B	89.8 ^E	...
First quarter 2009	18,840.3^B	18,709.6^B	F	...
Sport utility vehicle				
Second quarter 2008	17,044.9 ^B	17,044.9 ^B	...	...
Third quarter 2008	15,402.8 ^B	15,402.8 ^B	...	...
Fourth quarter 2008	17,815.7 ^B	17,815.7 ^B	...	...
First quarter 2009	14,719.4^B	14,719.4^B	...	...
Pickup				
Second quarter 2008	17,169.2 ^B	16,420.3 ^B	748.9 ^D	F
Third quarter 2008	23,392.3 ^B	22,797.4 ^B	588.8 ^D	F
Fourth quarter 2008	21,670.7 ^B	20,812.3 ^B	858.4 ^C	F
First quarter 2009	16,002.5^B	15,380.1^B	622.3^E	F
Straight truck				
Second quarter 2008	3,206.1 ^C	F	1,971.2 ^E	950.3 ^E
Third quarter 2008	2,983.8 ^C	F	1,942.6 ^E	892.7 ^E
Fourth quarter 2008	2,930.4 ^B	F	1,939.6 ^E	873.2 ^D
First quarter 2009	2,242.1^C	F	1,342.5^E	844.4^C
Tractor trailer				
Second quarter 2008	5,848.2 ^B	...	165.1 ^E	5,541.4 ^B
Third quarter 2008	5,866.0 ^B	...	181.2 ^E	5,641.9 ^B
Fourth quarter 2008	5,272.1 ^B	...	96.5 ^E	5,175.6 ^B
First quarter 2009	4,434.8^B	...	F	4,356.2^B
Bus				
Second quarter 2008	F	...	F	...
Third quarter 2008	F	...	F	...
Fourth quarter 2008	F	...	F	...
First quarter 2009	F	...	F	...
Other vehicle type				
Second quarter 2008	F	F	F	F
Third quarter 2008	F	F	F	F
Fourth quarter 2008	312.8 ^E	252.9 ^E	F	F
First quarter 2009	F	F	F	F

Table 5-4
Estimates of passenger-kilometres for provinces only by type of vehicle and type of fuel

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions				
Total, all fuel types				
Second quarter 2008	130,832.6 ^A	121,300.6 ^A	3,040.1 ^B	6,491.9 ^B
Third quarter 2008	139,915.9 ^A	130,581.8 ^A	2,793.3 ^B	6,540.7 ^B
Fourth quarter 2008	130,002.9 ^A	120,909.9 ^A	3,040.3 ^B	6,052.8 ^B
First quarter 2009	108,420.6^A	101,028.1^A	2,190.9^C	5,201.5^B
Gasoline				
Second quarter 2008	117,961.9 ^A	117,420.9 ^A	504.0 ^D	37.0 ^E
Third quarter 2008	126,592.8 ^A	126,299.3 ^A	282.7 ^E	F
Fourth quarter 2008	116,926.7 ^A	116,560.1 ^A	364.4 ^E	F
First quarter 2009	98,150.2^A	97,924.1^A	F	F
Diesel				
Second quarter 2008	12,301.5 ^B	3,336.8 ^D	2,524.4 ^B	6,440.3 ^B
Third quarter 2008	12,756.1 ^B	3,723.4 ^C	2,502.8 ^B	6,529.9 ^B
Fourth quarter 2008	12,037.8 ^B	3,358.6 ^D	2,628.6 ^B	6,050.6 ^B
First quarter 2009	9,807.8^A	2,654.8^C	1,956.4^C	5,196.6^B
Other fuel type				
Second quarter 2008	F	F	F	F
Third quarter 2008	F	F	F	F
Fourth quarter 2008	1,038.4 ^E	991.2 ^E	F	F
First quarter 2009	F	F	F	F

Table 5-5
Estimates of passenger-kilometres for provinces only by passenger age group for vehicles up to 4.5 tonnes

	First quarter 2009	Fourth quarter 2008	Third quarter 2008	Second quarter 2008
millions				
Total, all ages	101,028.1^A	120,909.9^A	130,581.8^A	121,300.6^A
Under 5 years	2,909.8 ^E	3,397.0 ^E	3,280.3 ^D	2,349.9 ^E
5 to 14 years	6,755.3 ^C	6,281.3 ^C	7,855.9 ^C	5,544.6 ^D
15 to 19 years	4,113.4 ^C	3,955.6 ^D	3,763.2 ^E	3,049.4 ^D
20 to 24 years	2,974.3 ^D	3,850.7 ^D	4,186.0 ^E	5,081.3 ^D
25 to 34 years	11,351.4 ^C	14,032.4 ^C	10,989.8 ^C	11,301.8 ^B
35 to 54 years	36,067.7 ^B	46,045.3 ^B	53,474.8 ^B	48,963.0 ^B
55 to 64 years	25,141.3 ^B	23,845.4 ^B	22,677.0 ^B	23,313.0 ^B
65 to 74 years	9,728.6 ^C	14,336.6 ^B	18,321.5 ^B	17,241.1 ^B
75 to 84 years	1,678.2 ^E	4,381.4 ^D	5,215.6 ^C	3,249.9 ^E
85 years and over	F	784.1 ^E	817.6 ^E	F

Table 6-1
Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and driver age group

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of vehicle-kilometres				
Total, all age groups				
Second quarter 2008	82,359.5 A	74,306.5 A	2,205.3 B	5,847.7 B
Third quarter 2008	88,093.7 A	79,947.8 A	2,180.9 B	5,965.1 B
Fourth quarter 2008	81,605.6 A	74,242.7 A	2,041.8 B	5,321.1 A
First quarter 2009	70,605.6 A	64,114.2 A	1,580.4 C	4,910.9 B
Under 20 years				
Second quarter 2008	F	F	F	F
Third quarter 2008	F	F	F	F
Fourth quarter 2008	934.3 E	929.1 E	F	F
First quarter 2009	1,077.3 D	1,076.6 D	F	F
20 to 24 years				
Second quarter 2008	2,255.4 E	2,170.3 E	F	F
Third quarter 2008	1,935.1 E	1,789.2 E	119.7 E	F
Fourth quarter 2008	1,492.4 E	1,452.2 E	F	28.3 E
First quarter 2009	1,782.1 E	1,602.0 E	F	99.1 E
25 to 34 years				
Second quarter 2008	7,841.3 B	6,674.3 C	319.0 E	847.9 C
Third quarter 2008	8,834.1 B	7,508.5 C	341.2 E	984.4 C
Fourth quarter 2008	11,099.8 B	9,596.1 C	502.0 C	1,001.7 C
First quarter 2009	9,129.2 B	8,190.4 C	213.1 D	725.7 C
35 to 44 years				
Second quarter 2008	17,163.8 B	14,727.5 B	534.4 E	1,901.9 B
Third quarter 2008	14,549.2 B	12,438.7 B	624.6 C	1,485.9 C
Fourth quarter 2008	15,503.4 B	13,796.8 B	551.3 C	1,155.3 B
First quarter 2009	12,276.8 B	10,726.1 C	392.0 C	1,158.7 B
45 to 54 years				
Second quarter 2008	23,672.2 B	21,001.1 B	874.8 B	1,796.2 C
Third quarter 2008	29,427.8 B	26,544.3 B	840.8 B	2,042.7 B
Fourth quarter 2008	23,056.9 B	20,501.5 B	628.3 C	1,927.0 B
First quarter 2009	18,870.4 B	17,027.3 B	492.2 D	1,351.0 C
55 to 64 years				
Second quarter 2008	16,994.1 B	15,493.7 B	378.0 C	1,122.4 C
Third quarter 2008	18,003.4 B	16,515.0 B	229.9 E	1,258.5 D
Fourth quarter 2008	17,587.2 B	16,098.3 B	305.5 C	1,183.4 B
First quarter 2009	19,512.1 B	17,687.4 B	346.4 C	1,478.3 B
65 years and over				
Second quarter 2008	13,960.0 B	13,766.8 B	64.5 E	F
Third quarter 2008	14,829.1 B	14,640.7 B	F	F
Fourth quarter 2008	11,931.6 B	11,868.8 B	37.6 D	F
First quarter 2009	7,957.6 C	7,804.3 C	55.0 E	98.2 E

Table 6-1 – continued

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and driver age group

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of passenger-kilometres				
Total, all age groups				
Second quarter 2008	130,832.6 A	121,300.6 A	3,040.1 B	6,491.9 B
Third quarter 2008	139,915.9 A	130,581.8 A	2,793.3 B	6,540.7 B
Fourth quarter 2008	130,002.9 A	120,909.9 A	3,040.3 B	6,052.8 B
First quarter 2009	108,420.6 A	101,028.1 A	2,190.9 C	5,201.5 B
Under 20 years				
Second quarter 2008	F	F	F	F
Third quarter 2008	F	F	F	F
Fourth quarter 2008	1,618.6 E	F	F	F
First quarter 2009	1,919.9 D	1,919.2 D	F	F
20 to 24 years				
Second quarter 2008	3,459.6 E	3,368.6 E	F	F
Third quarter 2008	F	F	183.9 E	F
Fourth quarter 2008	2,484.2 E	2,439.4 E	F	28.3 E
First quarter 2009	2,438.1 E	2,204.8 E	F	99.1 E
25 to 34 years				
Second quarter 2008	12,564.3 C	11,068.0 C	385.0 E	1,111.3 C
Third quarter 2008	14,475.0 C	13,032.5 C	378.9 D	1,063.6 C
Fourth quarter 2008	18,250.4 B	16,115.7 C	962.6 C	1,172.2 C
First quarter 2009	14,718.9 B	13,670.3 C	264.7 E	783.9 C
35 to 44 years				
Second quarter 2008	28,149.5 B	25,301.5 B	658.6 E	2,189.4 C
Third quarter 2008	22,985.1 B	20,475.6 C	769.8 C	1,739.7 C
Fourth quarter 2008	26,834.1 B	24,850.9 B	802.5 C	1,180.7 C
First quarter 2009	22,054.7 B	20,320.6 B	487.8 D	1,246.2 C
45 to 54 years				
Second quarter 2008	36,756.2 B	33,531.7 B	1,364.4 B	1,860.0 C
Third quarter 2008	45,899.0 B	42,504.7 B	1,148.8 B	2,245.5 B
Fourth quarter 2008	33,720.5 B	30,669.4 B	793.0 C	2,258.1 B
First quarter 2009	25,956.5 B	23,819.2 B	714.0 D	1,423.3 C
55 to 64 years				
Second quarter 2008	25,604.6 B	23,966.6 B	486.2 D	1,151.9 C
Third quarter 2008	26,518.4 B	24,946.8 B	274.6 E	1,297.0 D
Fourth quarter 2008	26,397.6 B	24,599.4 B	412.7 C	1,385.5 B
First quarter 2009	28,815.3 B	26,767.3 B	497.2 D	1,550.8 B
65 years and over				
Second quarter 2008	23,577.4 B	23,343.3 B	F	F
Third quarter 2008	26,448.0 B	26,246.3 B	F	F
Fourth quarter 2008	20,697.5 B	20,624.7 B	44.8 E	F
First quarter 2009	12,517.2 C	12,326.7 C	92.4 E	98.2 E

Table 6-2
Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and sex of driver

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of vehicle-kilometres				
Both sexes				
Second quarter 2008	82,359.5 ^A	74,306.5 ^A	2,205.3 ^B	5,847.7 ^B
Third quarter 2008	88,093.7 ^A	79,947.8 ^A	2,180.9 ^B	5,965.1 ^B
Fourth quarter 2008	81,605.6 ^A	74,242.7 ^A	2,041.8 ^B	5,321.1 ^A
First quarter 2009	70,605.6^A	64,114.2^A	1,580.4^C	4,910.9^B
Males				
Second quarter 2008	57,536.2 ^A	49,623.7 ^A	2,078.8 ^B	5,833.7 ^B
Third quarter 2008	62,754.5 ^A	55,043.2 ^A	2,109.6 ^B	5,601.8 ^B
Fourth quarter 2008	58,457.1 ^A	51,425.9 ^A	2,029.6 ^B	5,001.6 ^A
First quarter 2009	50,050.2^A	43,571.3^A	1,575.2^B	4,903.6^A
Females				
Second quarter 2008	24,823.3 ^B	24,682.8 ^B	126.4 ^E	F
Third quarter 2008	25,339.2 ^B	24,904.6 ^B	F	363.3 ^D
Fourth quarter 2008	23,148.5 ^B	22,816.8 ^B	F	319.5 ^E
First quarter 2009	20,555.4^B	20,542.9^B	F	F
millions of passenger-kilometres				
Both sexes				
Second quarter 2008	130,832.6 ^A	121,300.6 ^A	3,040.1 ^B	6,491.9 ^B
Third quarter 2008	139,915.9 ^A	130,581.8 ^A	2,793.3 ^B	6,540.7 ^B
Fourth quarter 2008	130,002.9 ^A	120,909.9 ^A	3,040.3 ^B	6,052.8 ^B
First quarter 2009	108,420.6^A	101,028.1^A	2,190.9^C	5,201.5^B
Males				
Second quarter 2008	92,692.3 ^A	83,476.4 ^A	2,738.1 ^B	6,477.8 ^B
Third quarter 2008	99,199.4 ^A	90,360.9 ^A	2,700.3 ^B	6,138.2 ^B
Fourth quarter 2008	93,925.6 ^A	85,346.5 ^A	3,022.6 ^B	5,556.5 ^A
First quarter 2009	79,289.6^A	71,911.1^A	2,184.3^C	5,194.2^A
Females				
Second quarter 2008	38,140.2 ^B	37,824.2 ^B	302.0 ^E	F
Third quarter 2008	40,716.5 ^B	40,221.0 ^B	F	402.6 ^E
Fourth quarter 2008	36,077.3 ^B	35,563.4 ^B	F	496.3 ^E
First quarter 2009	29,131.0^B	29,117.0^B	F	F

Table 6-3
Estimates of vehicle-kilometres and passenger-kilometres for provinces only by driver age group and sex of driver

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of vehicle-kilometres				
Total, all age groups				
Both sexes				
Second quarter 2008	82,359.5 ^A	74,306.5 ^A	2,205.3 ^B	5,847.7 ^B
Third quarter 2008	88,093.7 ^A	79,947.8 ^A	2,180.9 ^B	5,965.1 ^B
Fourth quarter 2008	81,605.6 ^A	74,242.7 ^A	2,041.8 ^B	5,321.1 ^A
First quarter 2009	70,605.6^A	64,114.2^A	1,580.4^C	4,910.9^B
Males				
Second quarter 2008	57,536.2 ^A	49,623.7 ^A	2,078.8 ^B	5,833.7 ^B
Third quarter 2008	62,754.5 ^A	55,043.2 ^A	2,109.6 ^B	5,601.8 ^B
Fourth quarter 2008	58,457.1 ^A	51,425.9 ^A	2,029.6 ^B	5,001.6 ^A
First quarter 2009	50,050.2^A	43,571.3^A	1,575.2^B	4,903.6^A
Females				
Second quarter 2008	24,823.3 ^B	24,682.8 ^B	126.4 ^E	F
Third quarter 2008	25,339.2 ^B	24,904.6 ^B	F	363.3 ^D
Fourth quarter 2008	23,148.5 ^B	22,816.8 ^B	F	319.5 ^E
First quarter 2009	20,555.4^B	20,542.9^B	F	F
Under 25 years				
Both sexes				
Second quarter 2008	2,728.1 ^E	2,643.1 ^E	F	F
Third quarter 2008	2,450.1 ^E	F	123.4 ^E	F
Fourth quarter 2008	2,426.7 ^E	2,381.3 ^E	F	28.3 ^E
First quarter 2009	2,859.4^C	2,678.7^D	F	99.1^E
Males				
Second quarter 2008	1,650.6 ^E	1,571.1 ^E	F	F
Third quarter 2008	F	F	82.1 ^E	F
Fourth quarter 2008	1,589.3 ^E	1,550.5 ^E	F	28.3 ^E
First quarter 2009	1,490.1^E	1,309.3^E	F	99.1^E
Females				
Second quarter 2008	1,077.5 ^E	1,071.9 ^E	F	F
Third quarter 2008	F	F	F	F
Fourth quarter 2008	837.4 ^E	830.8 ^E	F	F
First quarter 2009	1,369.3^D	1,369.3^D	F	F
25 to 54 years				
Both sexes				
Second quarter 2008	48,677.3 ^A	42,402.9 ^B	1,728.3 ^B	4,546.1 ^B
Third quarter 2008	52,811.2 ^A	46,491.6 ^A	1,806.6 ^B	4,513.0 ^B
Fourth quarter 2008	49,660.0 ^A	43,894.4 ^B	1,681.6 ^B	4,084.1 ^B
First quarter 2009	40,276.4^A	35,943.8^A	1,097.2^B	3,235.4^B
Males				
Second quarter 2008	32,472.1 ^A	26,329.0 ^B	1,611.1 ^C	4,532.1 ^B
Third quarter 2008	37,142.0 ^A	31,215.2 ^A	1,777.1 ^B	4,149.7 ^B
Fourth quarter 2008	34,867.4 ^A	29,384.2 ^B	1,676.0 ^B	3,807.2 ^A
First quarter 2009	27,444.0^A	23,123.7^B	1,092.2^B	3,228.1^B
Females				
Second quarter 2008	16,205.2 ^B	16,073.9 ^B	117.2 ^E	F
Third quarter 2008	15,669.2 ^B	15,276.4 ^B	F	363.3 ^D
Fourth quarter 2008	14,792.6 ^B	14,510.2 ^B	F	276.8 ^E
First quarter 2009	12,832.5^B	12,820.2^B	F	F
55 years and over				
Both sexes				
Second quarter 2008	30,954.1 ^B	29,260.5 ^B	442.5 ^C	1,251.1 ^C
Third quarter 2008	32,832.5 ^A	31,155.7 ^B	250.9 ^E	1,425.9 ^D
Fourth quarter 2008	29,518.9 ^B	27,967.1 ^B	343.1 ^C	1,208.7 ^B
First quarter 2009	27,469.7^B	25,491.7^B	401.5^C	1,576.5^B
Males				
Second quarter 2008	23,413.5 ^B	21,723.6 ^B	438.8 ^C	1,251.1 ^C
Third quarter 2008	24,368.5 ^B	22,692.2 ^B	250.4 ^E	1,425.9 ^D
Fourth quarter 2008	22,000.4 ^B	20,491.2 ^B	343.1 ^C	1,166.1 ^B
First quarter 2009	21,116.1^B	19,138.3^B	401.3^C	1,576.5^B

Table 6-3 – continued

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by driver age group and sex of driver

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions of vehicle-kilometres			
Females				
Second quarter 2008	7,540.6 ^C	7,536.9 ^C	F	F
Third quarter 2008	8,464.0 ^C	8,463.5 ^C	F	F
Fourth quarter 2008	7,518.5 ^C	7,475.9 ^C	F	42.6 ^E
First quarter 2009	6,353.6^C	6,353.4^C	F	F

Table 6-3 – continued

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by driver age group and sex of driver

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of passenger-kilometres				
Total, all age groups				
Both sexes				
Second quarter 2008	130,832.6 A	121,300.6 A	3,040.1 B	6,491.9 B
Third quarter 2008	139,915.9 A	130,581.8 A	2,793.3 B	6,540.7 B
Fourth quarter 2008	130,002.9 A	120,909.9 A	3,040.3 B	6,052.8 B
First quarter 2009	108,420.6 A	101,028.1 A	2,190.9 C	5,201.5 B
Males				
Second quarter 2008	92,692.3 A	83,476.4 A	2,738.1 B	6,477.8 B
Third quarter 2008	99,199.4 A	90,360.9 A	2,700.3 B	6,138.2 B
Fourth quarter 2008	93,925.6 A	85,346.5 A	3,022.6 B	5,556.5 A
First quarter 2009	79,289.6 A	71,911.1 A	2,184.3 C	5,194.2 A
Females				
Second quarter 2008	38,140.2 B	37,824.2 B	302.0 E	F
Third quarter 2008	40,716.5 B	40,221.0 B	F	402.6 E
Fourth quarter 2008	36,077.3 B	35,563.4 B	F	496.3 E
First quarter 2009	29,131.0 B	29,117.0 B	F	F
Under 25 years				
Both sexes				
Second quarter 2008	4,180.5 E	4,089.5 E	F	F
Third quarter 2008	F	F	188.2 E	F
Fourth quarter 2008	4,102.8 E	4,049.7 E	F	28.3 E
First quarter 2009	4,358.0 C	4,124.0 D	F	99.1 E
Males				
Second quarter 2008	2,673.9 E	2,588.5 E	F	F
Third quarter 2008	F	F	146.9 E	F
Fourth quarter 2008	2,580.0 E	2,536.6 E	F	28.3 E
First quarter 2009	2,486.8 E	2,252.8 E	F	99.1 E
Females				
Second quarter 2008	F	F	F	F
Third quarter 2008	F	F	F	F
Fourth quarter 2008	1,522.8 E	1,513.1 E	F	F
First quarter 2009	1,871.2 D	1,871.2 D	F	F
25 to 54 years				
Both sexes				
Second quarter 2008	77,470.0 B	69,901.2 B	2,408.0 B	5,160.8 B
Third quarter 2008	83,359.1 B	76,012.2 B	2,297.5 B	5,048.8 B
Fourth quarter 2008	78,805.0 A	71,636.0 B	2,558.0 B	4,611.0 B
First quarter 2009	62,730.1 A	57,810.1 B	1,466.5 C	3,453.4 B
Males				
Second quarter 2008	52,331.4 A	45,069.2 B	2,115.5 C	5,146.7 B
Third quarter 2008	57,047.3 B	50,154.3 B	2,246.7 B	4,646.3 B
Fourth quarter 2008	55,293.7 B	48,543.8 B	2,550.1 B	4,199.9 B
First quarter 2009	43,845.1 A	38,938.8 B	1,460.2 C	3,446.1 B
Females				
Second quarter 2008	25,138.6 C	24,832.0 C	292.5 E	F
Third quarter 2008	26,311.8 C	25,858.4 C	F	402.6 E
Fourth quarter 2008	23,511.3 C	23,092.2 C	F	411.1 E
First quarter 2009	18,885.0 B	18,871.4 B	F	F
55 years and over				
Both sexes				
Second quarter 2008	49,182.1 B	47,309.9 B	591.6 D	1,280.5 C
Third quarter 2008	52,966.4 B	51,193.0 B	307.6 E	1,465.7 D
Fourth quarter 2008	47,095.1 B	45,224.2 B	457.5 C	1,413.5 B
First quarter 2009	41,332.5 B	39,094.0 B	589.5 D	1,649.0 B
Males				
Second quarter 2008	37,687.0 B	35,818.7 B	587.8 D	1,280.5 C
Third quarter 2008	40,272.7 B	38,500.2 B	306.7 E	1,465.7 D
Fourth quarter 2008	36,051.9 B	34,266.1 B	457.5 C	1,328.2 B
First quarter 2009	32,957.8 B	30,719.6 B	589.2 D	1,649.0 B

Table 6-3 – continued

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by driver age group and sex of driver

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions of passenger-kilometres			
Females				
Second quarter 2008	11,495.1 ^C	11,491.2 ^C	F	F
Third quarter 2008	12,693.7 ^C	12,692.8 ^C	F	F
Fourth quarter 2008	11,043.3 ^C	10,958.0 ^C	F	85.2 ^E
First quarter 2009	8,374.7^C	8,374.4^C	F	F

Table 6-4

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and day of the week

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of vehicle-kilometres				
Total, all days of the week				
Second quarter 2008	82,359.5 ^A	74,306.5 ^A	2,205.3 ^B	5,847.7 ^B
Third quarter 2008	88,093.7 ^A	79,947.8 ^A	2,180.9 ^B	5,965.1 ^B
Fourth quarter 2008	81,605.6 ^A	74,242.7 ^A	2,041.8 ^B	5,321.1 ^A
First quarter 2009	70,605.6^A	64,114.2^A	1,580.4^C	4,910.9^B
Sunday				
Second quarter 2008	9,490.5 ^B	8,954.6 ^B	143.6 ^E	392.3 ^D
Third quarter 2008	10,483.0 ^B	10,122.1 ^B	F	281.1 ^E
Fourth quarter 2008	9,751.8 ^A	9,362.6 ^A	F	347.8 ^E
First quarter 2009	7,495.6^B	7,126.1^B	F	321.6^C
Monday				
Second quarter 2008	10,793.6 ^B	9,380.2 ^B	394.4 ^C	1,019.0 ^B
Third quarter 2008	14,030.8 ^A	12,670.1 ^A	355.8 ^B	1,005.0 ^B
Fourth quarter 2008	11,297.5 ^A	9,893.8 ^A	432.9 ^B	970.8 ^B
First quarter 2009	11,312.3^A	10,053.0^A	403.6^C	855.7^B
Tuesday				
Second quarter 2008	12,039.1 ^B	10,622.3 ^B	387.5 ^C	1,029.3 ^B
Third quarter 2008	14,631.8 ^B	12,714.3 ^B	541.1 ^B	1,376.4 ^B
Fourth quarter 2008	11,614.4 ^A	10,417.7 ^A	328.5 ^B	868.2 ^B
First quarter 2009	11,942.7^A	10,798.8^A	222.3^D	921.7^B
Wednesday				
Second quarter 2008	12,544.9 ^A	10,976.5 ^A	472.2 ^B	1,096.3 ^B
Third quarter 2008	12,986.0 ^A	11,474.7 ^B	366.0 ^B	1,145.3 ^B
Fourth quarter 2008	14,577.9 ^A	12,968.9 ^B	509.1 ^C	1,099.9 ^B
First quarter 2009	9,140.3^A	7,983.3^A	288.4^C	868.6^B
Thursday				
Second quarter 2008	11,677.1 ^A	10,244.3 ^B	324.5 ^B	1,108.3 ^B
Third quarter 2008	13,418.7 ^A	11,979.2 ^A	437.9 ^B	1,001.7 ^B
Fourth quarter 2008	11,775.3 ^A	10,416.9 ^A	353.1 ^B	1,005.3 ^B
First quarter 2009	11,664.9^A	10,416.4^A	301.9^C	946.6^B
Friday				
Second quarter 2008	14,859.3 ^A	13,657.7 ^A	325.1 ^B	876.5 ^B
Third quarter 2008	13,000.2 ^A	11,862.2 ^A	299.5 ^B	838.5 ^B
Fourth quarter 2008	12,737.6 ^A	11,794.9 ^A	262.9 ^B	679.8 ^B
First quarter 2009	10,987.3^A	10,036.9^A	244.3^D	706.1^B
Saturday				
Second quarter 2008	10,954.9 ^A	10,470.9 ^B	157.9 ^D	326.2 ^E
Third quarter 2008	9,543.1 ^B	9,125.2 ^B	100.7 ^E	317.1 ^E
Fourth quarter 2008	9,851.1 ^A	9,387.9 ^B	113.8 ^E	349.4 ^C
First quarter 2009	8,062.7^B	7,699.9^B	F	290.6^D

Table 6-4 – continued

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and day of the week

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of passenger-kilometres				
Total, all days of the week				
Second quarter 2008	130,832.6 ^A	121,300.6 ^A	3,040.1 ^B	6,491.9 ^B
Third quarter 2008	139,915.9 ^A	130,581.8 ^A	2,793.3 ^B	6,540.7 ^B
Fourth quarter 2008	130,002.9 ^A	120,909.9 ^A	3,040.3 ^B	6,052.8 ^B
First quarter 2009	108,420.6^A	101,028.1^A	2,190.9^C	5,201.5^B
Sunday				
Second quarter 2008	17,926.3 ^B	17,298.3 ^B	208.3 ^E	419.7 ^E
Third quarter 2008	18,994.2 ^B	18,527.2 ^B	F	346.5 ^E
Fourth quarter 2008	19,107.7 ^A	18,626.2 ^A	F	419.7 ^D
First quarter 2009	13,668.3^B	13,254.6^B	F	331.8^C
Monday				
Second quarter 2008	16,540.0 ^B	14,859.2 ^B	489.6 ^C	1,191.2 ^B
Third quarter 2008	20,729.0 ^B	19,232.9 ^B	427.6 ^C	1,068.5 ^C
Fourth quarter 2008	17,417.3 ^B	15,557.9 ^B	662.1 ^B	1,197.3 ^B
First quarter 2009	15,952.2^B	14,525.2^B	535.9^C	891.2^B
Tuesday				
Second quarter 2008	17,190.0 ^B	15,523.0 ^B	517.2 ^C	1,149.8 ^C
Third quarter 2008	21,733.2 ^B	19,567.4 ^B	703.9 ^C	1,461.9 ^B
Fourth quarter 2008	17,840.7 ^A	16,354.6 ^B	486.7 ^B	999.4 ^B
First quarter 2009	16,426.3^B	15,143.8^B	305.3^E	977.2^B
Wednesday				
Second quarter 2008	17,801.5 ^B	15,904.9 ^B	677.8 ^B	1,218.9 ^B
Third quarter 2008	19,250.7 ^B	17,543.0 ^B	458.6 ^B	1,249.1 ^B
Fourth quarter 2008	21,742.3 ^B	19,799.2 ^B	760.2 ^B	1,182.9 ^B
First quarter 2009	12,599.0^B	11,289.6^B	386.5^D	922.8^B
Thursday				
Second quarter 2008	17,181.2 ^B	15,567.5 ^B	426.0 ^C	1,187.7 ^B
Third quarter 2008	20,081.2 ^B	18,421.0 ^B	569.0 ^B	1,091.1 ^B
Fourth quarter 2008	17,347.5 ^A	15,758.3 ^B	519.8 ^B	1,069.5 ^B
First quarter 2009	18,634.1^A	17,202.6^B	427.1^D	1,004.4^B
Friday				
Second quarter 2008	23,964.8 ^A	22,464.7 ^A	531.6 ^B	968.5 ^C
Third quarter 2008	21,221.2 ^B	19,912.8 ^B	388.0 ^C	920.5 ^B
Fourth quarter 2008	18,830.2 ^A	17,703.1 ^A	378.0 ^C	749.1 ^B
First quarter 2009	16,281.5^B	15,177.2^B	333.3^E	771.1^B
Saturday				
Second quarter 2008	20,228.7 ^B	19,683.1 ^B	189.6 ^E	356.1 ^E
Third quarter 2008	17,906.4 ^B	17,377.5 ^B	125.8 ^E	403.1 ^E
Fourth quarter 2008	17,717.4 ^A	17,110.8 ^A	171.7 ^E	434.9 ^D
First quarter 2009	14,859.1^B	14,435.2^B	F	303.1^D

Table 6-5
Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and type of day

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of vehicle-kilometres				
Total, all days				
Second quarter 2008	82,359.5 ^A	74,306.5 ^A	2,205.3 ^B	5,847.7 ^B
Third quarter 2008	88,093.7 ^A	79,947.8 ^A	2,180.9 ^B	5,965.1 ^B
Fourth quarter 2008	81,605.6 ^A	74,242.7 ^A	2,041.8 ^B	5,321.1 ^A
First quarter 2009	70,605.6^A	64,114.2^A	1,580.4^C	4,910.9^B
Weekends and holidays				
Second quarter 2008	21,454.7 ^A	20,348.9 ^A	318.2 ^E	787.6 ^D
Third quarter 2008	22,970.7 ^A	21,845.5 ^A	282.3 ^D	842.8 ^D
Fourth quarter 2008	22,527.3 ^A	21,373.2 ^A	223.6 ^D	930.5 ^E
First quarter 2009	16,927.4^A	16,026.2^A	F	775.0^C
Weekdays				
Second quarter 2008	60,904.8 ^A	53,957.6 ^A	1,887.0 ^B	5,060.2 ^B
Third quarter 2008	65,123.0 ^A	58,102.2 ^A	1,898.5 ^B	5,122.2 ^B
Fourth quarter 2008	59,078.3 ^A	52,869.5 ^A	1,818.2 ^B	4,390.6 ^A
First quarter 2009	53,678.2^A	48,088.0^A	1,454.2^B	4,136.0^A
millions of passenger-kilometres				
Total, all days				
Second quarter 2008	130,832.6 ^A	121,300.6 ^A	3,040.1 ^B	6,491.9 ^B
Third quarter 2008	139,915.9 ^A	130,581.8 ^A	2,793.3 ^B	6,540.7 ^B
Fourth quarter 2008	130,002.9 ^A	120,909.9 ^A	3,040.3 ^B	6,052.8 ^B
First quarter 2009	108,420.6^A	101,028.1^A	2,190.9^C	5,201.5^B
Weekends and holidays				
Second quarter 2008	39,766.2 ^A	38,484.3 ^A	416.2 ^E	865.7 ^D
Third quarter 2008	41,186.2 ^B	39,804.0 ^B	375.3 ^E	1,006.8 ^D
Fourth quarter 2008	41,304.8 ^A	39,852.9 ^A	331.2 ^D	1,120.7 ^C
First quarter 2009	31,999.1^A	30,991.3^A	F	797.6^C
Weekdays				
Second quarter 2008	91,066.4 ^A	82,816.3 ^A	2,623.9 ^B	5,626.1 ^B
Third quarter 2008	98,729.7 ^A	90,777.8 ^A	2,418.0 ^B	5,533.9 ^B
Fourth quarter 2008	88,698.1 ^A	81,057.0 ^A	2,709.0 ^B	4,932.1 ^B
First quarter 2009	76,421.5^A	70,036.9^A	1,980.7^C	4,403.9^A

Table 6-6
Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and time of day

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of vehicle-kilometres				
Total, all hours				
Second quarter 2008	82,359.5 A	74,306.5 A	2,205.3 B	5,847.7 B
Third quarter 2008	88,093.7 A	79,947.8 A	2,180.9 B	5,965.1 B
Fourth quarter 2008	81,605.6 A	74,242.7 A	2,041.8 B	5,321.1 A
First quarter 2009	70,605.6 A	64,114.2 A	1,580.4 B	4,910.9 B
00:00 to 05:59				
Second quarter 2008	2,465.7 B	1,890.2 C	62.4 D	513.1 C
Third quarter 2008	3,117.6 B	2,467.9 C	69.8 C	579.9 C
Fourth quarter 2008	2,108.6 B	1,556.9 C	F	490.8 B
First quarter 2009	2,278.0 B	1,802.5 B	46.3 E	429.1 B
06:00 to 11:59				
Second quarter 2008	25,621.5 A	22,559.4 A	926.1 B	2,136.0 B
Third quarter 2008	30,358.7 A	27,059.0 A	1,029.4 B	2,270.3 B
Fourth quarter 2008	27,156.1 A	24,348.1 A	844.6 B	1,963.4 A
First quarter 2009	23,763.8 A	21,195.9 A	739.6 B	1,828.3 B
12:00 to 17:59				
Second quarter 2008	38,283.3 A	35,018.5 A	1,064.1 B	2,200.7 B
Third quarter 2008	38,259.1 A	35,049.0 A	918.5 B	2,291.6 B
Fourth quarter 2008	37,280.0 A	34,220.4 A	969.3 A	2,090.3 A
First quarter 2009	32,136.2 A	29,645.9 A	604.5 B	1,885.8 B
18:00 to 23:59				
Second quarter 2008	15,989.0 A	14,838.4 B	152.7 E	997.9 B
Third quarter 2008	16,358.3 A	15,371.9 B	163.1 C	823.2 B
Fourth quarter 2008	15,060.9 A	14,117.3 A	167.0 C	776.6 B
First quarter 2009	12,427.6 B	11,469.9 B	190.0 C	767.8 B
millions of passenger-kilometres				
Total, all hours				
Second quarter 2008	130,832.6 A	121,300.6 A	3,040.1 B	6,491.9 B
Third quarter 2008	139,915.9 A	130,581.8 A	2,793.3 B	6,540.7 B
Fourth quarter 2008	130,002.9 A	120,909.9 A	3,040.3 B	6,052.8 B
First quarter 2009	108,420.6 A	101,028.1 A	2,190.9 C	5,201.5 B
00:00 to 05:59				
Second quarter 2008	3,401.3 C	2,701.8 C	68.5 E	631.0 C
Third quarter 2008	4,258.0 C	3,518.5 C	79.4 D	660.1 C
Fourth quarter 2008	2,685.3 C	2,052.8 C	F	569.5 B
First quarter 2009	2,963.5 B	2,470.1 C	F	441.1 B
06:00 to 11:59				
Second quarter 2008	37,742.0 A	34,134.4 A	1,266.9 B	2,340.8 B
Third quarter 2008	44,679.2 A	40,868.4 A	1,311.6 B	2,499.2 B
Fourth quarter 2008	40,590.4 A	37,252.2 A	1,099.4 B	2,238.9 B
First quarter 2009	33,204.7 A	30,271.8 A	1,000.0 C	1,932.9 B
12:00 to 17:59				
Second quarter 2008	61,740.8 A	57,871.8 A	1,474.0 B	2,395.0 B
Third quarter 2008	62,913.0 A	59,235.9 A	1,190.2 B	2,486.9 B
Fourth quarter 2008	60,519.8 A	56,535.5 A	1,605.4 B	2,378.9 B
First quarter 2009	49,128.6 A	46,309.2 A	818.9 C	2,000.5 B
18:00 to 23:59				
Second quarter 2008	27,948.4 B	26,592.7 B	230.7 E	1,125.0 B
Third quarter 2008	28,065.7 B	26,959.0 B	212.1 D	894.6 B
Fourth quarter 2008	26,207.4 A	25,069.4 A	272.5 C	865.5 B
First quarter 2009	23,123.8 B	21,977.0 B	319.8 D	827.0 B

Table 6-7

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle, type of day and time of day

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of vehicle-kilometres				
Total, all days				
Total, all hours				
Second quarter 2008	82,359.5 A	74,306.5 A	2,205.3 B	5,847.7 B
Third quarter 2008	88,093.7 A	79,947.8 A	2,180.9 B	5,965.1 B
Fourth quarter 2008	81,605.6 A	74,242.7 A	2,041.8 B	5,321.1 A
First quarter 2009	70,605.6 A	64,114.2 A	1,580.4 B	4,910.9 B
00:00 to 05:59				
Second quarter 2008	2,465.7 B	1,890.2 C	62.4 D	513.1 C
Third quarter 2008	3,117.6 B	2,467.9 C	69.8 C	579.9 C
Fourth quarter 2008	2,108.6 B	1,556.9 C	F	490.8 B
First quarter 2009	2,278.0 B	1,802.5 B	46.3 E	429.1 B
06:00 to 11:59				
Second quarter 2008	25,621.5 A	22,559.4 A	926.1 B	2,136.0 B
Third quarter 2008	30,358.7 A	27,059.0 A	1,029.4 B	2,270.3 B
Fourth quarter 2008	27,156.1 A	24,348.1 A	844.6 B	1,963.4 A
First quarter 2009	23,763.8 A	21,195.9 A	739.6 B	1,828.3 B
12:00 to 17:59				
Second quarter 2008	38,283.3 A	35,018.5 A	1,064.1 B	2,200.7 B
Third quarter 2008	38,259.1 A	35,049.0 A	918.5 B	2,291.6 B
Fourth quarter 2008	37,280.0 A	34,220.4 A	969.3 A	2,090.3 A
First quarter 2009	32,136.2 A	29,645.9 A	604.5 B	1,885.8 B
18:00 to 23:59				
Second quarter 2008	15,989.0 A	14,838.4 B	152.7 E	997.9 B
Third quarter 2008	16,358.3 A	15,371.9 B	163.1 C	823.2 B
Fourth quarter 2008	15,060.9 A	14,117.3 A	167.0 C	776.6 B
First quarter 2009	12,427.6 B	11,469.9 B	190.0 C	767.8 B
Weekends and holidays				
Total, all hours				
Second quarter 2008	21,454.7 A	20,348.9 A	318.2 E	787.6 C
Third quarter 2008	22,970.7 A	21,845.5 A	282.3 D	842.8 C
Fourth quarter 2008	22,527.3 A	21,373.2 A	223.6 C	930.5 E
First quarter 2009	16,927.4 A	16,026.2 A	126.2 E	775.0 C
00:00 to 05:59				
Second quarter 2008	535.8 D	466.0 D	F	63.0 E
Third quarter 2008	723.1 C	645.2 C	10.2 E	F
Fourth quarter 2008	577.9 C	447.6 D	F	126.1 E
First quarter 2009	354.9 D	301.0 D	F	50.1 E
06:00 to 11:59				
Second quarter 2008	5,935.2 B	5,530.9 B	127.8 E	276.5 C
Third quarter 2008	7,078.8 B	6,673.4 B	119.7 E	285.7 C
Fourth quarter 2008	6,588.0 B	6,226.3 B	79.4 D	282.3 E
First quarter 2009	5,163.6 B	4,848.1 B	49.4 E	266.2 C
12:00 to 17:59				
Second quarter 2008	10,644.5 A	10,195.9 A	153.7 C	294.8 C
Third quarter 2008	10,607.8 B	10,147.2 B	126.4 D	334.2 C
Fourth quarter 2008	10,545.7 A	10,087.4 B	117.9 C	340.4 E
First quarter 2009	7,911.2 B	7,518.3 B	47.2 E	345.7 D
18:00 to 23:59				
Second quarter 2008	4,339.2 B	4,156.1 B	29.9 E	153.3 D
Third quarter 2008	4,561.1 B	4,379.7 B	26.1 E	155.3 D
Fourth quarter 2008	4,815.8 B	4,612.0 B	22.2 D	181.6 B
First quarter 2009	3,497.6 B	3,358.9 B	F	112.9 D
Weekdays				
Total, all hours				
Second quarter 2008	60,904.8 A	53,957.6 A	1,887.0 B	5,060.2 B
Third quarter 2008	65,123.0 A	58,102.2 A	1,898.5 B	5,122.2 B
Fourth quarter 2008	59,078.3 A	52,869.5 A	1,818.2 B	4,390.6 A
First quarter 2009	53,678.2 A	48,088.0 A	1,454.2 B	4,136.0 A

Table 6-7 – continued

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle, type of day and time of day

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of vehicle-kilometres				
00:00 to 05:59				
Second quarter 2008	1,929.9 ^B	1,424.2 ^C	55.6 ^E	450.1 ^C
Third quarter 2008	2,394.6 ^B	1,822.7 ^C	59.7 ^D	512.2 ^B
Fourth quarter 2008	1,530.7 ^C	1,109.3 ^C	F	364.7 ^B
First quarter 2009	1,923.1^B	1,501.6^B	42.6^E	378.9^B
06:00 to 11:59				
Second quarter 2008	19,686.2 ^A	17,028.5 ^A	798.2 ^B	1,859.5 ^B
Third quarter 2008	23,279.9 ^A	20,385.6 ^A	909.7 ^B	1,984.6 ^B
Fourth quarter 2008	20,568.2 ^A	18,121.9 ^A	765.2 ^B	1,681.1 ^B
First quarter 2009	18,600.1^A	16,347.9^A	690.2^B	1,562.1^B
12:00 to 17:59				
Second quarter 2008	27,638.8 ^A	24,822.6 ^A	910.4 ^B	1,905.9 ^B
Third quarter 2008	27,651.3 ^A	24,901.8 ^A	792.1 ^B	1,957.4 ^B
Fourth quarter 2008	26,734.3 ^A	24,132.9 ^A	851.4 ^B	1,749.9 ^A
First quarter 2009	24,225.0^A	22,127.6^A	557.2^B	1,540.1^B
18:00 to 23:59				
Second quarter 2008	11,649.8 ^B	10,682.3 ^B	F	844.7 ^B
Third quarter 2008	11,797.2 ^B	10,992.2 ^B	137.0 ^C	667.9 ^B
Fourth quarter 2008	10,245.1 ^B	9,505.4 ^B	144.8 ^C	595.0 ^B
First quarter 2009	8,930.0^B	8,111.0^B	164.2^C	654.8^B

Table 6-7 – continued

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle, type of day and time of day

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of passenger-kilometres				
Total, all days				
Total, all hours				
Second quarter 2008	130,832.6 A	121,300.6 A	3,040.1 B	6,491.9 B
Third quarter 2008	139,915.9 A	130,581.8 A	2,793.3 B	6,540.7 B
Fourth quarter 2008	130,002.9 A	120,909.9 A	3,040.3 B	6,052.8 B
First quarter 2009	108,420.6 A	101,028.1 A	2,190.9 C	5,201.5 B
00:00 to 05:59				
Second quarter 2008	3,401.3 C	2,701.8 C	68.5 E	631.0 C
Third quarter 2008	4,258.0 C	3,518.5 C	79.4 D	660.1 C
Fourth quarter 2008	2,685.3 C	2,052.8 C	F	569.5 B
First quarter 2009	2,963.5 B	2,470.1 C	F	441.1 B
06:00 to 11:59				
Second quarter 2008	37,742.0 A	34,134.4 A	1,266.9 B	2,340.8 B
Third quarter 2008	44,679.2 A	40,868.4 A	1,311.6 B	2,499.2 B
Fourth quarter 2008	40,590.4 A	37,252.2 A	1,099.4 B	2,238.9 B
First quarter 2009	33,204.7 A	30,271.8 A	1,000.0 C	1,932.9 B
12:00 to 17:59				
Second quarter 2008	61,740.8 A	57,871.8 A	1,474.0 B	2,395.0 B
Third quarter 2008	62,913.0 A	59,235.9 A	1,190.2 B	2,486.9 B
Fourth quarter 2008	60,519.8 A	56,535.5 A	1,605.4 B	2,378.9 B
First quarter 2009	49,128.6 A	46,309.2 A	818.9 C	2,000.5 B
18:00 to 23:59				
Second quarter 2008	27,948.4 B	26,592.7 B	230.7 E	1,125.0 B
Third quarter 2008	28,065.7 B	26,959.0 B	212.1 D	894.6 B
Fourth quarter 2008	26,207.4 A	25,069.4 A	272.5 C	865.5 B
First quarter 2009	23,123.8 B	21,977.0 B	319.8 D	827.0 B
Weekends and holidays				
Total, all hours				
Second quarter 2008	39,766.2 A	38,484.3 A	416.2 C	865.7 C
Third quarter 2008	41,186.2 A	39,804.0 B	375.3 E	1,006.8 C
Fourth quarter 2008	41,304.8 A	39,852.9 A	331.2 C	1,120.7 B
First quarter 2009	31,999.1 A	30,991.3 A	F	797.6 C
00:00 to 05:59				
Second quarter 2008	807.8 E	721.5 E	F	78.5 E
Third quarter 2008	1,023.7 D	932.5 D	F	F
Fourth quarter 2008	735.3 D	572.3 E	F	157.8 D
First quarter 2009	592.5 D	536.3 D	F	52.4 E
06:00 to 11:59				
Second quarter 2008	10,523.0 B	10,068.6 B	158.6 E	295.9 D
Third quarter 2008	12,138.7 B	11,646.8 B	145.6 E	346.3 C
Fourth quarter 2008	11,411.0 B	10,961.3 B	105.8 D	343.9 E
First quarter 2009	8,965.9 B	8,611.7 B	F	274.0 C
12:00 to 17:59				
Second quarter 2008	20,296.4 B	19,776.8 B	200.4 C	319.2 C
Third quarter 2008	20,102.1 B	19,524.2 B	178.5 E	399.4 C
Fourth quarter 2008	20,155.0 A	19,566.8 A	181.0 C	407.1 B
First quarter 2009	14,715.1 B	14,288.4 B	F	353.9 C
18:00 to 23:59				
Second quarter 2008	8,138.9 B	7,917.4 B	49.4 E	172.1 D
Third quarter 2008	7,921.7 B	7,700.5 B	F	184.1 D
Fourth quarter 2008	9,003.5 B	8,752.5 B	39.1 C	212.0 C
First quarter 2009	7,725.5 B	7,554.9 B	F	117.3 D
Weekdays				
Total, all hours				
Second quarter 2008	91,066.4 A	82,816.3 A	2,623.9 B	5,626.1 B
Third quarter 2008	98,729.7 A	90,777.8 A	2,418.0 B	5,533.9 B
Fourth quarter 2008	88,698.1 A	81,057.0 A	2,709.0 B	4,932.1 B
First quarter 2009	76,421.5 A	70,036.9 A	1,980.7 C	4,403.9 A

Table 6-7 – continued

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle, type of day and time of day

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of passenger-kilometres				
00:00 to 05:59				
Second quarter 2008	2,593.5 ^C	1,980.3 ^D	60.7 ^E	552.5 ^C
Third quarter 2008	3,234.3 ^C	2,586.0 ^D	65.3 ^D	583.0 ^C
Fourth quarter 2008	1,950.0 ^C	1,480.5 ^D	F	411.8 ^C
First quarter 2009	2,371.0^C	1,933.8^C	F	388.7^B
06:00 to 11:59				
Second quarter 2008	27,219.0 ^B	24,065.8 ^B	1,108.3 ^B	2,044.8 ^B
Third quarter 2008	32,540.6 ^A	29,221.7 ^B	1,166.0 ^B	2,152.9 ^B
Fourth quarter 2008	29,179.4 ^A	26,290.8 ^B	993.6 ^B	1,895.0 ^B
First quarter 2009	24,238.8^B	21,660.1^B	919.8^C	1,658.9^B
12:00 to 17:59				
Second quarter 2008	41,444.4 ^A	38,095.0 ^B	1,273.6 ^B	2,075.8 ^B
Third quarter 2008	42,810.9 ^A	39,711.7 ^A	1,011.7 ^B	2,087.5 ^B
Fourth quarter 2008	40,364.8 ^A	36,968.7 ^A	1,424.4 ^B	1,971.7 ^B
First quarter 2009	34,413.5^A	32,020.8^A	746.1^C	1,646.6^B
18:00 to 23:59				
Second quarter 2008	19,809.5 ^B	18,675.2 ^B	F	952.9 ^B
Third quarter 2008	20,144.0 ^B	19,258.5 ^B	175.0 ^D	710.5 ^B
Fourth quarter 2008	17,203.9 ^B	16,316.9 ^B	233.4 ^C	653.6 ^B
First quarter 2009	15,398.3^B	14,422.2^B	266.4^C	709.7^B

Table 6-8
Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and road type

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of vehicle-kilometres				
Total, all roads				
Second quarter 2008	82,359.5 ^A	74,306.5 ^A	2,205.3 ^B	5,847.7 ^B
Third quarter 2008	88,093.7 ^A	79,947.8 ^A	2,180.9 ^B	5,965.1 ^B
Fourth quarter 2008	81,605.6 ^A	74,242.7 ^A	2,041.8 ^B	5,321.1 ^A
First quarter 2009	70,605.6^A	64,114.2^A	1,580.4^C	4,910.9^B
Roads with posted maximum speed of 80 kilometres per hour or more				
Second quarter 2008	44,882.8 ^A	39,517.7 ^A	1,178.4 ^B	4,186.8 ^B
Third quarter 2008	49,463.0 ^A	44,385.2 ^A	1,385.5 ^B	3,692.3 ^B
Fourth quarter 2008	45,243.8 ^A	40,490.7 ^A	1,006.8 ^B	3,746.3 ^A
First quarter 2009	36,290.2^A	31,816.2^A	924.6^B	3,549.4^B
All other roads				
Second quarter 2008	37,476.7 ^B	34,788.8 ^B	1,026.9 ^D	1,661.0 ^C
Third quarter 2008	38,630.7 ^B	35,562.6 ^B	795.4 ^C	2,272.8 ^C
Fourth quarter 2008	36,361.8 ^B	33,752.1 ^B	1,035.0 ^C	1,574.8 ^B
First quarter 2009	34,315.4^B	32,298.1^B	655.8^E	1,361.5^C
millions of passenger-kilometres				
Total, all roads				
Second quarter 2008	130,832.6 ^A	121,300.6 ^A	3,040.1 ^B	6,491.9 ^B
Third quarter 2008	139,915.9 ^A	130,581.8 ^A	2,793.3 ^B	6,540.7 ^B
Fourth quarter 2008	130,002.9 ^A	120,909.9 ^A	3,040.3 ^B	6,052.8 ^B
First quarter 2009	108,420.6^A	101,028.1^A	2,190.9^C	5,201.5^B
Roads with posted maximum speed of 80 kilometres per hour or more				
Second quarter 2008	72,759.7 ^A	66,395.8 ^A	1,607.8 ^B	4,756.1 ^B
Third quarter 2008	79,910.5 ^A	74,047.0 ^A	1,738.9 ^B	4,124.6 ^B
Fourth quarter 2008	74,625.1 ^A	68,601.5 ^A	1,633.6 ^B	4,390.1 ^B
First quarter 2009	56,181.0^A	51,071.0^A	1,325.1^C	3,785.0^B
All other roads				
Second quarter 2008	58,072.9 ^B	54,904.9 ^B	1,432.2 ^D	1,735.7 ^D
Third quarter 2008	60,005.4 ^B	56,534.8 ^B	1,054.4 ^C	2,416.2 ^C
Fourth quarter 2008	55,377.8 ^B	52,308.4 ^B	1,406.7 ^C	1,662.6 ^C
First quarter 2009	52,239.6^B	49,957.2^B	865.9^E	1,416.5^C

Table 6-9
Estimates of vehicle-kilometres and passenger-kilometres for provinces only by origin and destination of trips for vehicles up to 4.5 tonnes

	Destination				
	Driver's home	Driver's regular workplace	Shopping centre, bank or other place of personal business	Leisure, entertainment, recreational facility or restaurant	Other
millions of vehicle-kilometres					
Origin					
Driver's home					
Second quarter 2008	13,219.9 ^B	6,525.1 ^B	3,299.2 ^C	3,805.1 ^B	8,108.3 ^B
Third quarter 2008	17,188.7 ^A	7,049.6 ^B	2,813.6 ^C	3,271.0 ^C	7,779.6 ^B
Fourth quarter 2008	13,304.8 ^A	7,284.9 ^B	3,116.3 ^C	2,568.3 ^C	8,337.1 ^B
First quarter 2009	11,972.6^A	6,301.9^B	2,449.2^C	2,076.7^C	7,387.0^B
Driver's regular workplace					
Second quarter 2008	5,849.9 ^B	2,952.4 ^C	648.2 ^E	F	1,565.2 ^D
Third quarter 2008	6,006.7 ^B	2,395.1 ^B	682.3 ^E	F	2,025.2 ^C
Fourth quarter 2008	6,009.8 ^B	3,414.4 ^C	695.8 ^E	F	2,272.2 ^C
First quarter 2009	5,118.1^B	2,160.3^B	547.1^E	F	1,217.2^D
Shopping centre, bank or other place of personal business					
Second quarter 2008	3,580.1 ^C	F	1,009.6 ^E	375.8 ^E	912.0 ^E
Third quarter 2008	3,081.7 ^C	F	1,781.8 ^E	F	1,467.7 ^D
Fourth quarter 2008	3,091.2 ^C	F	1,540.2 ^D	F	1,135.2 ^D
First quarter 2009	2,846.3^C	F	921.1^E	F	959.3^E
Leisure, entertainment, recreational facility or restaurant					
Second quarter 2008	3,251.0 ^C	F	689.0 ^E	632.9 ^E	1,085.3 ^C
Third quarter 2008	3,369.7 ^C	F	557.9 ^E	1,143.3 ^D	1,056.4 ^D
Fourth quarter 2008	2,678.0 ^C	F	F	599.6 ^E	1,073.8 ^C
First quarter 2009	2,250.7^C	F	F	F	1,005.3^D
Other					
Second quarter 2008	8,325.0 ^B	1,072.5 ^D	1,461.4 ^D	1,193.9 ^D	3,895.2 ^B
Third quarter 2008	8,030.5 ^B	1,372.2 ^D	1,548.0 ^D	1,047.7 ^E	5,264.0 ^B
Fourth quarter 2008	7,704.9 ^B	1,529.8 ^D	1,070.5 ^E	695.7 ^D	4,888.3 ^C
First quarter 2009	8,146.4^B	919.8^D	1,328.8^E	813.6^D	4,426.1^B
millions of passenger-kilometres					
Driver's home					
Second quarter 2008	22,915.2 ^B	8,074.0 ^C	5,505.2 ^C	7,612.5 ^B	12,774.6 ^B
Third quarter 2008	28,275.0 ^A	8,437.4 ^C	4,813.1 ^D	7,217.2 ^C	12,719.3 ^B
Fourth quarter 2008	23,384.7 ^A	8,332.1 ^C	5,544.2 ^C	5,123.0 ^C	14,524.9 ^B
First quarter 2009	19,675.3^B	7,203.7^B	3,898.6^C	3,894.3^C	11,712.5^B
Driver's regular workplace					
Second quarter 2008	7,195.6 ^C	4,385.1 ^C	F	F	1,787.0 ^E
Third quarter 2008	7,188.8 ^C	2,929.3 ^D	F	F	2,455.7 ^E
Fourth quarter 2008	6,816.2 ^C	4,364.2 ^C	F	F	3,103.8 ^D
First quarter 2009	5,906.7^B	3,286.8^B	F	F	1,391.5^E
Shopping centre, bank or other place of personal business					
Second quarter 2008	5,745.6 ^D	F	F	F	1,592.0 ^E
Third quarter 2008	4,951.3 ^D	F	3,065.8 ^E	F	2,723.5 ^E
Fourth quarter 2008	5,532.8 ^C	F	2,536.3 ^D	F	2,130.8 ^D
First quarter 2009	5,280.6^C	F	1,682.0^E	F	1,677.7^E
Leisure, entertainment, recreational facility or restaurant					
Second quarter 2008	6,124.9 ^C	F	1,258.1 ^E	1,267.9 ^E	2,402.3 ^C
Third quarter 2008	7,007.5 ^C	F	1,255.1 ^E	2,734.1 ^E	2,374.1 ^D
Fourth quarter 2008	5,076.9 ^C	F	F	1,004.5 ^E	2,708.3 ^C
First quarter 2009	4,283.8^C	F	F	F	1,954.6^D

Table 6-9 – continued

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by origin and destination of trips for vehicles up to 4.5 tonnes

	Destination				
	Driver's home	Driver's regular workplace	Shopping centre, bank or other place of personal business	Leisure, entertainment, recreational facility or restaurant	Other
	millions of passenger-kilometres				
Other					
Second quarter 2008	13,878.0 ^B	1,378.6 ^E	2,857.2 ^D	2,591.3 ^D	7,941.5 ^B
Third quarter 2008	12,918.5 ^B	1,776.1 ^E	3,253.9 ^D	2,190.1 ^E	9,929.9 ^C
Fourth quarter 2008	13,072.6 ^B	2,438.7 ^D	2,003.2 ^E	1,263.6 ^D	9,328.5 ^C
First quarter 2009	13,044.3^B	1,062.1^E	2,605.9^E	1,644.7^D	8,375.1^B

Table 6-10

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by part of the driver's job for vehicles up to 4.5 tonnes

	Vehicle-kilometres	Passenger-kilometres
	millions	
Total		
Second quarter 2008	74,306.5 ^A	121,300.6 ^A
Third quarter 2008	79,947.8 ^A	130,581.8 ^A
Fourth quarter 2008	74,242.7 ^A	120,909.9 ^A
First quarter 2009	64,114.2^A	101,028.1^A
Yes		
Second quarter 2008	13,510.4 ^B	18,599.4 ^B
Third quarter 2008	13,617.3 ^B	18,136.1 ^B
Fourth quarter 2008	13,475.9 ^B	17,465.3 ^B
First quarter 2009	12,518.4^B	16,170.5^B
No		
Second quarter 2008	60,796.1 ^A	102,701.2 ^A
Third quarter 2008	66,330.5 ^A	112,445.7 ^A
Fourth quarter 2008	60,766.9 ^A	103,444.5 ^A
First quarter 2009	51,595.9^A	84,857.7^A

Table 6-11
Estimates of vehicle-kilometres and passenger-kilometres for provinces only by vehicle group and trip purpose for trucks weighing 4.5 tonnes or more

	Trucks 4.5 tonnes to 14.9 tonnes				Trucks 15 tonnes and over			
	First quarter 2009	Fourth quarter 2008	Third quarter 2008	Second quarter 2008	First quarter 2009	Fourth quarter 2008	Third quarter 2008	Second quarter 2008
millions of vehicle-kilometres								
Total, all groups								
Driving to or from service call	273.4 ^D	359.3 ^D	482.0 ^E	472.1 ^D	174.6 ^E	103.4 ^E	215.9 ^E	193.5 ^E
Carrying goods or equipment	693.8 ^C	638.7 ^C	955.5 ^B	1,083.9 ^B	3,883.7 ^B	4,457.0 ^A	4,791.9 ^B	4,719.0 ^B
Empty	82.7 ^E	153.8 ^D	F	77.4 ^E	488.0 ^C	662.4 ^B	846.8 ^D	726.3 ^C
Other work purpose	242.0 ^B	118.0 ^D	182.0 ^D	129.0 ^E	F	F	F	F
Non-work purpose	288.4 ^D	772.0 ^B	482.7 ^C	442.8 ^C	355.3 ^C	F	F	115.4 ^E
Total	1,580.4^C	2,041.8^B	2,180.9^B	2,205.3^B	4,910.9^B	5,321.1^A	5,965.1^B	5,847.7^B
Straight trucks								
Driving to or from service call	270.4 ^D	349.2 ^D	477.7 ^E	459.3 ^D	F	F	F	F
Carrying goods or equipment	659.4 ^C	631.8 ^C	885.0 ^B	1,007.9 ^B	565.1 ^E	600.9 ^D	627.1 ^D	605.0 ^D
Empty	F	148.0 ^D	F	66.2 ^E	82.1 ^E	F	F	F
Other work purpose	241.9 ^B	102.2 ^D	169.7 ^D	128.3 ^E	F	F	F	F
Non-work purpose	260.5 ^D	747.5 ^B	414.5 ^C	427.2 ^C	70.5 ^E	F	F	F
Total	1,502.8^D	1,978.7^B	2,025.5^B	2,088.8^B	779.8^E	764.6^D	812.8^E	883.5^E
Other trucks over 4.5 tonnes								
Driving to or from service call	F	10.1 ^E	F	F	115.2 ^E	42.1 ^E	208.1 ^E	99.4 ^E
Carrying goods or equipment	F	F	70.5 ^E	76.1 ^E	3,318.6 ^B	3,856.1 ^A	4,164.8 ^B	4,114.0 ^B
Empty	F	F	F	11.1 ^E	405.9 ^C	599.3 ^E	699.3 ^C	552.1 ^D
Other work purpose	F	F	F	F	F	F	23.9 ^E	F
Non-work purpose	F	24.5 ^E	68.2 ^E	15.6 ^E	284.7 ^D	F	F	106.0 ^E
Total	F	63.1^E	155.4^E	116.4^E	4,131.1^B	4,556.4^B	5,152.3^B	4,964.2^B
millions of passenger-kilometres								
Total, all groups								
Driving to or from service call	392.9 ^E	569.6 ^E	566.0 ^E	618.9 ^D	255.0 ^E	151.9 ^E	241.6 ^E	249.3 ^E
Carrying goods or equipment	805.6 ^C	720.9 ^C	1,136.6 ^B	1,349.8 ^C	4,058.6 ^B	4,973.6 ^B	5,246.1 ^B	5,263.4 ^B
Empty	F	190.2 ^E	F	105.8 ^E	507.0 ^C	796.7 ^B	932.2 ^D	768.0 ^D
Other work purpose	389.5 ^E	147.5 ^D	318.0 ^C	162.0 ^E	F	F	F	F
Non-work purpose	515.9 ^D	1,412.1 ^B	685.8 ^C	803.5 ^C	371.5 ^C	78.6 ^E	F	F
Total	2,190.9^C	3,040.3^B	2,793.3^B	3,040.1^B	5,201.5^B	6,052.8^B	6,540.7^B	6,491.9^B
Straight trucks								
Driving to or from service call	388.8 ^E	552.8 ^E	560.5 ^E	599.5 ^D	101.6 ^E	F	F	134.7 ^E
Carrying goods or equipment	771.2 ^C	712.3 ^C	1,057.5 ^B	1,254.5 ^C	580.8 ^E	659.0 ^D	694.4 ^D	627.8 ^E
Empty	F	184.4 ^D	F	94.7 ^E	82.1 ^E	F	F	F
Other work purpose	389.3 ^E	128.1 ^D	305.6 ^D	160.9 ^E	F	F	F	F
Non-work purpose	488.0 ^D	1,366.1 ^E	601.8 ^C	765.4 ^D	77.1 ^D	F	F	F
Total	2,112.4^E	2,943.7^B	2,612.2^B	2,874.9^B	844.4^D	873.2^D	898.8^E	950.3^E
Other trucks over 4.5 tonnes								
Driving to or from service call	F	16.8 ^E	F	F	153.4 ^E	63.0 ^E	229.9 ^E	114.6 ^E
Carrying goods or equipment	F	F	79.1 ^E	95.3 ^E	3,477.7 ^B	4,314.6 ^B	4,551.7 ^B	4,635.6 ^B
Empty	F	F	F	F	425.0 ^C	716.0 ^B	770.0 ^C	592.8 ^D
Other work purpose	F	F	F	F	F	F	23.9 ^E	F
Non-work purpose	F	46.0 ^E	84.1 ^E	38.1 ^E	294.3 ^D	F	F	106.0 ^E
Total	F	96.5^E	181.2^E	165.1^E	4,357.1^B	5,179.6^B	5,641.9^B	5,541.6^B

Table 6-12

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by carrying dangerous goods for trucks weighing 4.5 tonnes or more

	Total, all vehicles	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
millions of vehicle-kilometres			
Total with or without dangerous goods			
Second quarter 2008	8,053.0 ^B	2,205.3 ^B	5,847.7 ^B
Third quarter 2008	8,146.0 ^B	2,180.9 ^B	5,965.1 ^B
Fourth quarter 2008	7,362.9 ^A	2,041.8 ^B	5,321.1 ^A
First quarter 2009	6,491.3^A	1,580.4^C	4,910.9^B
With dangerous goods			
Second quarter 2008	484.3 ^B	85.1 ^E	399.1 ^B
Third quarter 2008	763.4 ^D	122.8 ^E	640.5 ^D
Fourth quarter 2008	609.6 ^E	36.6 ^E	573.0 ^E
First quarter 2009	763.5^C	28.1^C	735.4^C
Without dangerous goods			
Second quarter 2008	7,568.8 ^A	2,120.1 ^B	5,448.6 ^B
Third quarter 2008	7,382.6 ^B	2,058.1 ^B	5,324.5 ^B
Fourth quarter 2008	6,753.2 ^A	2,005.1 ^B	4,748.1 ^A
First quarter 2009	5,727.8^A	1,552.3^B	4,175.5^B
millions of passenger-kilometres			
Total with or without dangerous goods			
Second quarter 2008	9,531.9 ^B	3,040.1 ^B	6,491.9 ^B
Third quarter 2008	9,334.1 ^B	2,793.3 ^B	6,540.7 ^B
Fourth quarter 2008	9,093.0 ^A	3,040.3 ^B	6,052.8 ^B
First quarter 2009	7,392.4^B	2,190.9^C	5,201.5^B
With dangerous goods			
Second quarter 2008	484.3 ^B	85.1 ^E	399.1 ^B
Third quarter 2008	907.0 ^E	123.2 ^E	783.7 ^E
Fourth quarter 2008	612.8 ^E	F	573.0 ^E
First quarter 2009	802.2^C	28.1^D	774.1^C
Without dangerous goods			
Second quarter 2008	9,047.7 ^B	2,954.9 ^B	6,092.7 ^B
Third quarter 2008	8,427.1 ^B	2,670.1 ^B	5,757.0 ^B
Fourth quarter 2008	8,480.2 ^A	3,000.4 ^B	5,479.8 ^B
First quarter 2009	6,590.2^B	2,162.8^C	4,427.4^B

Table 7-1
Estimates by type of vehicle, type of fuel and vehicle body type for provinces only — Vehicle-kilometres

	Total, all vehicles		Vehicles up to 4.5 tonnes		Trucks 4.5 tonnes to 14.9 tonnes		Trucks 15 tonnes and over	
	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel
millions of vehicle-kilometres								
Vehicle body type								
Car								
Second quarter 2008	37,013.1 ^B	F	37,013.1 ^B	F	...	...	...	...
Third quarter 2008	39,087.4 ^B	638.3 ^E	39,087.4 ^B	638.3 ^E	...	...	...	...
Fourth quarter 2008	35,443.8 ^B	F	35,443.8 ^B	F	...	...	...	...
First quarter 2009	31,572.7^B	F	31,572.7^B	F	...	...	...	...
Station wagon								
Second quarter 2008	2,129.4 ^E	F	2,129.4 ^E	F	...	...	...	...
Third quarter 2008	3,000.9 ^D	F	3,000.9 ^D	F	...	...	...	...
Fourth quarter 2008	3,226.8 ^E	F	3,226.8 ^E	F	...	...	...	...
First quarter 2009	2,450.0^E	F	2,446.7^E	F	...	...	...	...
Van								
Second quarter 2008	11,724.1 ^C	F	11,661.1 ^C	F	F	F	...	...
Third quarter 2008	11,892.3 ^C	F	11,870.9 ^C	F	F	F	...	...
Fourth quarter 2008	10,123.5 ^D	446.3 ^E	10,114.0 ^D	372.1 ^E	F	74.2 ^E	...	...
First quarter 2009	8,921.6^C	F	8,904.5^C	F	F	F	...	...
SUV								
Second quarter 2008	10,114.7 ^C	F	10,114.7 ^C	F	...	...	...	...
Third quarter 2008	9,896.4 ^C	F	9,896.4 ^C	F	...	...	...	...
Fourth quarter 2008	9,788.9 ^C	F	9,788.9 ^C	F	...	...	...	...
First quarter 2009	9,335.5^C	F	9,335.5^C	F	...	...	...	...
Pickup								
Second quarter 2008	10,726.6 ^C	1,276.3 ^D	10,643.1 ^C	906.2 ^E	F	370.1 ^D	...	...
Third quarter 2008	13,180.8 ^B	1,810.5 ^D	13,160.2 ^B	1,425.3 ^E	F	379.1 ^D	...	...
Fourth quarter 2008	12,761.9 ^B	1,335.7 ^E	12,708.6 ^B	852.5 ^E	53.3 ^E	483.2 ^D	...	...
First quarter 2009	9,812.2^B	1,549.8^C	9,745.6^B	1,249.1^C	F	F	...	...
Straight truck								
Second quarter 2008	229.6 ^E	2,322.8 ^C	F	F	205.0 ^E	1,314.9 ^C	F	870.9 ^E
Third quarter 2008	F	2,195.7 ^C	F	F	F	1,391.6 ^E	F	796.6 ^E
Fourth quarter 2008	F	2,012.4 ^C	F	F	F	1,173.0 ^E	F	762.8 ^D
First quarter 2009	F	1,759.1^C	F	F	F	948.8^D	F	778.4^E
Tractor trailer								
Second quarter 2008	...	5,045.6 ^B	...	...	...	100.1 ^E	...	4,945.5 ^B
Third quarter 2008	...	5,297.7 ^B	...	...	...	146.2 ^E	...	5,151.5 ^B
Fourth quarter 2008	...	4,617.0 ^B	...	...	...	F	...	4,553.9 ^B
First quarter 2009	...	4,201.3^B	...	...	...	F	...	4,127.6^B
Bus								
Second quarter 2008	F	F	F	F	F	F	...	...
Third quarter 2008	F	F	F	F	F	F	...	...
Fourth quarter 2008	F	F	F	F	F	F	...	...
First quarter 2009	F	F	F	F	F	F	...	...
Other								
Second quarter 2008	F	F	F	F	F	F	...	F
Third quarter 2008	F	F	F	F	F	F	...	F
Fourth quarter 2008	183.6 ^E	F	152.1 ^E	F	F	F	...	F
First quarter 2009	F	F	F	F	F	F	...	F
Total								
Second quarter 2008	72,040.9 ^A	9,859.0 ^B	71,672.5 ^A	2,215.0 ^E	368.1 ^E	1,827.5 ^C	F	5,816.5 ^B
Third quarter 2008	77,403.6 ^A	10,307.9 ^B	77,180.9 ^A	2,391.6 ^D	F	1,962.0 ^B	F	5,954.2 ^B
Fourth quarter 2008	71,651.9 ^A	9,333.5 ^B	71,441.9 ^A	2,208.1 ^E	208.1 ^E	1,806.4 ^B	F	5,318.9 ^A
First quarter 2009	62,190.0^A	8,203.6^B	62,025.2^A	1,893.3^C	F	1,404.2^C	F	4,906.1^B

Table 7-2
Estimates by type of vehicle, type of fuel and vehicle body type for provinces only — Fuel consumed

	Total		Vehicles up to 4.5 tonnes		Trucks 4.5 tonnes to 14.9 tonnes		Trucks 15 tonnes and over	
	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel
millions of litres								
Vehicle body type								
Car								
Second quarter 2008	3,181.9 ^E	F	3,181.9 ^E	F	...	...	...	...
Third quarter 2008	3,157.9 ^B	F	3,157.9 ^B	F	...	...	...	...
Fourth quarter 2008	3,284.5 ^E	F	3,284.5 ^E	F	...	...	...	...
First quarter 2009	3,084.3^E	F	3,084.3^E	F	...	...	...	...
Station wagon								
Second quarter 2008	196.2 ^E	F	196.2 ^E	F	...	...	...	...
Third quarter 2008	244.8 ^E	F	244.8 ^E	F	...	...	...	...
Fourth quarter 2008	332.1 ^E	F	332.1 ^E	F	...	...	...	...
First quarter 2009	292.3^E	F	290.4^E	F	...	...	...	...
Van								
Second quarter 2008	1,244.7 ^C	F	1,231.7 ^C	F	F	F	...	...
Third quarter 2008	1,317.0 ^E	F	1,312.3 ^E	F	F	9.2 ^E	...	...
Fourth quarter 2008	1,239.6 ^E	60.5 ^E	1,236.8 ^E	45.7 ^E	F	14.8 ^E	...	...
First quarter 2009	1,175.9^E	F	1,171.1^E	F	F	F	...	...
SUV								
Second quarter 2008	1,231.5 ^D	F	1,231.5 ^D	F	...	...	...	...
Third quarter 2008	1,087.1 ^E	F	1,087.1 ^E	F	...	...	...	...
Fourth quarter 2008	1,168.8 ^E	F	1,168.8 ^E	F	...	...	...	...
First quarter 2009	1,222.2^C	F	1,222.2^C	F	...	...	...	...
Pickup								
Second quarter 2008	1,497.1 ^C	183.2 ^D	1,478.4 ^C	111.5 ^E	F	71.7 ^E	...	...
Third quarter 2008	1,714.5 ^E	256.5 ^D	1,709.4 ^E	178.2 ^E	F	75.9 ^D	...	...
Fourth quarter 2008	1,949.5 ^B	241.5 ^D	1,938.6 ^B	131.1 ^E	F	110.4 ^D	...	...
First quarter 2009	1,452.8^E	238.7^C	1,435.8^E	164.6^E	F	74.1^E	...	...
Straight truck								
Second quarter 2008	48.7 ^E	639.9 ^C	F	F	45.0 ^E	293.0 ^E	F	328.9 ^E
Third quarter 2008	F	629.7 ^D	F	F	43.5 ^E	316.4 ^E	F	311.9 ^E
Fourth quarter 2008	F	584.6 ^C	F	F	F	316.3 ^E	F	258.3 ^D
First quarter 2009	F	493.2^E	F	F	F	249.8^E	F	240.2^E
Tractor trailer								
Second quarter 2008	...	1,751.8 ^E	...	...	...	25.9 ^E	...	1,725.9 ^E
Third quarter 2008	...	1,819.9 ^B	...	...	...	29.6 ^E	...	1,790.3 ^B
Fourth quarter 2008	...	1,606.8 ^B	...	...	...	22.8 ^E	...	1,584.0 ^B
First quarter 2009	...	1,575.2^B	...	...	...	29.5^E	...	1,545.7^B
Bus								
Second quarter 2008	F	F	F	F	F	F	...	...
Third quarter 2008	F	F	F	F	F	F	...	...
Fourth quarter 2008	F	F	F	F	F	F	...	...
First quarter 2009	F	F	F	F	F	F	...	...
Other								
Second quarter 2008	F	F	F	F	F	F	...	F
Third quarter 2008	F	F	F	F	F	F	...	F
Fourth quarter 2008	26.5 ^E	F	20.2 ^E	F	F	F	...	F
First quarter 2009	F	F	F	F	F	F	...	F
Total								
Second quarter 2008	7,417.3 ^B	2,668.9 ^B	7,334.8 ^B	213.5 ^E	82.3 ^E	400.4 ^E	F	2,054.9 ^B
Third quarter 2008	7,597.9 ^E	2,791.1 ^B	7,535.3 ^E	254.5 ^E	58.0 ^E	432.0 ^B	F	2,104.6 ^B
Fourth quarter 2008	8,031.2 ^E	2,595.7 ^B	7,982.3 ^E	283.6 ^E	F	468.9 ^B	F	1,843.2 ^B
First quarter 2009	7,255.9^E	2,382.5^B	7,207.8^E	226.1^E	F	370.5^B	F	1,786.0^B

Table 8-1
Activity type for trucks weighing 4.5 tonnes or more for provinces only — Number of vehicles in scope by type of vehicle

	Activity type				
	Total	For-hire	Owner-operator	Private	Other
	number				
Trucks 4.5 tonnes to 14.9 tonnes					
Second quarter 2008	413,458 ^A	55,262 ^C	54,206 ^C	237,057 ^B	66,933 ^C
Third quarter 2008	429,036 ^A	51,663 ^D	87,617 ^C	222,816 ^B	66,940 ^C
Fourth quarter 2008	422,390 ^A	38,682 ^D	67,779 ^C	241,041 ^B	74,888 ^C
First quarter 2009	408,358^A	50,069^D	65,238^D	221,502^B	71,549^C
Trucks 15 tonnes and over					
Second quarter 2008	324,062 ^A	164,531 ^B	80,673 ^C	60,037 ^C	18,820 ^E
Third quarter 2008	340,492 ^A	156,582 ^B	81,004 ^C	70,294 ^C	32,612 ^D
Fourth quarter 2008	326,737 ^A	149,769 ^B	79,634 ^B	69,195 ^B	28,139 ^D
First quarter 2009	304,884^A	135,790^B	61,741^C	76,484^B	30,870^D

Table 8-2
Activity type for trucks weighing 4.5 tonnes or more for provinces only — Vehicle-kilometres and passenger-kilometres for trucks 4.5 tonnes to 14.9 tonnes

	Activity type				
	Total	For-hire	Owner-operator	Private	Other
	millions				
Vehicle-kilometres					
Second quarter 2008	2,205.3 ^B	330.0 ^E	335.0 ^E	1,314.2 ^B	226.0 ^E
Third quarter 2008	2,180.9 ^B	507.5 ^E	420.4 ^E	980.8 ^C	272.1 ^E
Fourth quarter 2008	2,041.8 ^B	181.4 ^E	402.4 ^D	1,037.7 ^C	420.3 ^D
First quarter 2009	1,580.4^C	233.9^E	338.0^E	694.8^E	F
Passenger-kilometres					
Second quarter 2008	3,040.1 ^B	402.5 ^E	462.5 ^E	1,899.6 ^C	275.5 ^E
Third quarter 2008	2,793.3 ^B	586.4 ^E	574.2 ^E	1,231.5 ^C	401.3 ^E
Fourth quarter 2008	3,040.3 ^B	215.8 ^E	599.2 ^E	1,657.0 ^C	568.3 ^D
First quarter 2009	2,190.9^C	F	F	925.6^E	F

Table 8-3
Activity type for trucks weighing 4.5 tonnes or more for provinces only — Vehicle-kilometres and passenger-kilometres for trucks 15 tonnes or more

	Activity type				
	Total	For-hire	Owner-operator	Private	Other
	millions				
Vehicle-kilometres					
Second quarter 2008	5,847.7 ^B	3,553.5 ^B	1,437.8 ^C	632.5 ^E	F
Third quarter 2008	5,965.1 ^B	3,396.5 ^B	1,586.4 ^C	692.8 ^E	F
Fourth quarter 2008	5,321.1 ^A	3,061.0 ^B	1,095.9 ^C	747.1 ^C	417.0 ^E
First quarter 2009	4,910.9^B	3,052.2^B	839.9^D	745.3^C	273.6^E
Passenger-kilometres					
Second quarter 2008	6,491.9 ^B	3,943.8 ^C	1,667.9 ^D	646.0 ^E	F
Third quarter 2008	6,540.7 ^B	3,701.1 ^C	1,825.2 ^D	720.8 ^E	F
Fourth quarter 2008	6,052.8 ^B	3,468.3 ^B	1,257.8 ^C	827.8 ^C	F
First quarter 2009	5,201.5^B	3,214.3^B	874.7^D	798.0^C	314.4^E

Table 9-1

Trip type for trucks weighing 4.5 tonnes or more for provinces only — Vehicle-kilometres and passenger-kilometres for trucks 4.5 tonnes to 14.9 tonnes

	Trip type				
	Total	Within province	Between provinces	Across CAN-US border	Outside Canada
	millions				
Vehicle-kilometres					
Second quarter 2008	2,205.3 ^B	2,192.3 ^B	F	F	F
Third quarter 2008	2,180.9 ^B	2,029.0 ^B	95.6 ^E	F	F
Fourth quarter 2008	2,041.8 ^B	1,771.1 ^B	206.8 ^E	F	F
First quarter 2009	1,580.4^C	1,519.4^B	29.0^E	F	32.0^E
Passenger-kilometres					
Second quarter 2008	3,040.1 ^B	3,013.9 ^B	F	F	F
Third quarter 2008	2,793.3 ^B	2,574.5 ^B	162.6 ^E	F	F
Fourth quarter 2008	3,040.3 ^B	2,420.7 ^B	555.8 ^E	F	F
First quarter 2009	2,190.9^C	2,129.1^C	29.8^E	F	32.0^E

Table 9-2

Trip type for trucks weighing 4.5 tonnes or more for provinces only — Vehicle-kilometres and passenger-kilometres for trucks 15 tonnes or more

	Trip type				
	Total	Within province	Between provinces	Across CAN-US border	Outside Canada
	millions				
Vehicle-kilometres					
Second quarter 2008	5,847.7 ^B	3,529.4 ^B	1,173.1 ^B	747.0 ^C	398.3 ^D
Third quarter 2008	5,965.1 ^B	3,757.3 ^B	916.5 ^B	928.7 ^C	362.5 ^D
Fourth quarter 2008	5,321.1 ^A	2,919.5 ^B	562.3 ^B	1,668.4 ^B	170.8 ^C
First quarter 2009	4,910.9^B	3,114.6^B	790.1^C	807.3^C	198.9^D
Passenger-kilometres					
Second quarter 2008	6,491.9 ^B	3,915.8 ^B	1,430.9 ^C	747.0 ^C	398.3 ^D
Third quarter 2008	6,540.7 ^B	4,169.8 ^B	1,013.8 ^C	939.6 ^C	417.6 ^D
Fourth quarter 2008	6,052.8 ^B	3,143.6 ^B	575.0 ^C	2,117.1 ^E	217.1 ^C
First quarter 2009	5,201.5^B	3,280.0^B	894.1^C	828.5^C	198.9^D

Concepts and definitions

The population of interest

The **in-scope vehicles** for the CVS include all motor vehicles, except buses (buses were included in the survey prior to 2004), motorcycles, off road vehicles (for example, snowmobiles, dune buggies, amphibious vehicles) and special equipment (for example, cranes, street cleaners, snowplows and backhoes), registered in Canada anytime during the survey reference period, that have not been scrapped or salvaged.

The **population of interest** consists of vehicle-days, composed from the in-scope vehicles and the days within the survey reference period.

Definitions of variables in tables

Vehicle-kilometres is the distance traveled by vehicles on roads.

Passenger-kilometres is the sum of the distances traveled by individual passengers (the driver being considered as one of the passengers). For example, for a vehicle with three passengers (the driver being one of them) that is driven on a distance of 10 kilometres, the number of passenger-kilometres will be 30. Light vehicles (see the Vehicle type definition below) report the number of passengers for each trip (see the Trip definition below). The number of passengers in heavy vehicles with gross vehicle weight of 4.5 tonnes or more (see the Vehicle type definition below) is calculated as the average of the number of passengers at the beginning of each trip and the number of passengers at the end of each trip (see the Trip definition below).

Fuel consumed is the amount of fuel used to operate vehicles. This variable is derived for each vehicle using the reported fuel purchases and distance driven.

The number of vehicles on the registration lists is the average number of the registered vehicles in the registration lists at the beginning and at the end of the reference period.

The number of vehicles in scope is an estimate of the average number of vehicles registered during the quarter based on the lists from jurisdictions and the survey responses. This number slightly differs from the previous one because we incorporate into it all our findings from the survey. Note that this number includes vehicles used and not used on the roads during the reference period.

Definitions of vehicle characteristics

Vehicle type is the weight classification created for the CVS, based on the information available on the vehicle registration lists. The vehicles are divided into three weight types: **light vehicles** with gross vehicle weights below 4.5 tonnes, **heavy vehicles** with gross vehicle weights of 4.5 tonnes or more and less than 15 tonnes, and **heavy vehicles** with gross vehicle weights of 15 tonnes or more.

The respondent determines **vehicle body type**. The respondent is asked to choose among: car, station wagon, van, sport utility vehicle, pick-up, straight truck, truck-tractor, and other. Missing or unusual responses are verified against registration lists, if possible.

Fuel type is based on the information provided by the respondent or from the registration lists. All vehicles are divided into three classes: vehicles powered by gasoline, vehicles powered by diesel fuel and vehicles powered by other energy sources.

Vehicle model year is derived based on the information available on the registration lists.

Definitions of vehicle usage characteristics

The CVS definition of a **trip** determines the trip characteristics. The definition of what delimits a trip depends on the **vehicle type**:

A new trip is reported for **light vehicles** if any of the following events happen:

- the driver gets in the car
- a passenger gets in or out of the car

A new trip is reported for **heavy vehicles weighing 4.5 tonnes or more** if any of the following events happen:

- a stop of more than 30 minutes
- a change of driver
- a change of purpose or use
- a change in the truck configuration
- a change in the status of the load from loaded to unloaded or the reverse

For each trip, the respondent provides the following information:

- Beginning and end times and dates of the trip that are used to determine the **time of day** and **day of week** the trip takes place.
- **Driver age group** and **driver sex**.
- **Trip origin and destination** for light vehicles.
- **Trip purpose** for heavy vehicles, as determined by the respondent. If there were several purposes for the trip, the respondent is asked to indicate the main purpose of the trip. Multiple trip purposes are not allowed.
- If **dangerous goods** (as defined by the Transportation of Dangerous Goods Act) are carried by heavy vehicles.
- **Number of kilometres** traveled on roads with posted speed limit of 80 km/h or more.
- **Age group** (Under 5 years, 5 to 14, 15 to 19, 20 to 34, 35 to 54, 55 to 64, 65 to 74, 75 to 84, 85 years and over) of passengers and the number of passengers within each group, to calculate passenger-kms. Passenger age information is collected only for light vehicles (see "Data quality, concepts and methodology — Concepts and definitions"). We collect the total number of passengers only for heavy vehicles.
- **Truck configuration** for heavy vehicles.
- Total cost, unit cost and quantity of **fuel purchased**.

Methodology

The CVS has been designed as a quarterly survey. The survey design also allows the calculation of annual estimates based on the data collected during the four quarters.

Survey design

Survey population

The survey population of vehicles was derived from the 13 jurisdiction vehicle registration lists (ten Provincial and three Territorial Governments) created three months before the reference period. The sample of vehicles for this quarter was drawn from lists of motor vehicles with valid registrations in any province or territory. Buses, motorcycles, off-road vehicles (e.g., snowmobiles, dune buggies, amphibious vehicles) and special equipment (e.g., cranes, street cleaners, snowplows and backhoes) are excluded from the survey. This population differs from the population of interest of vehicles; e.g., vehicles that were registered after the sample was selected are not included.

The thirteen incoming lists underwent a thorough preparation procedure:

- First, out-of-scope vehicles are removed (buses, trailers, motorcycles, construction equipment, parade vehicles, motor homes, etc.) from each list.
- Second, vehicles with expired registrations are removed from each list.
- Then, records with duplicate Vehicle Identification Numbers (VIN) within each list are removed leaving only the record that had been updated most recently.
- Last, records in each file with irregular data are verified.

Sample design

The CVS uses a two-stage sample design. At the first-stage, a sample of vehicles is selected, while at the second stage, a sample of consecutive days within the quarter is selected.

To select the first-stage sample, all vehicles from the survey population were first stratified (grouped) into 78 strata. The vehicles were stratified into three vehicle types (see appendix I) and 13 jurisdictions (ten provinces and three territories). Then, in order to improve the precision of the estimates, the vehicles were further divided into two vehicle-age strata of newer and older vehicles.

Next, the vehicles were sorted within each stratum, using the first three characters of the postal code of the owner's address. Then, a systematic sample of vehicles (first stage sample) was selected from the survey population. Systematic sampling was used to spread the sample over all regions and to avoid heavy burden on owners of multiple vehicles. To minimize respondent burden, no vehicle is selected more than once during any consecutive four quarters for provinces and two consecutive quarters for territories.

In the second stage, a first reporting day within the quarter was randomly assigned to each vehicle selected in the first stage. Within each stratum, the first reporting day was evenly spread over the quarter to ensure a uniform number of responses over time and for each day of the week. This step was not applied to the vehicles registered in the three territories since only odometer readings are collected (see "Survey overview").

Estimation

Since the sample was selected in two stages, the sampling weight (see appendix I) was also calculated in two steps. The first-stage sampling weight was calculated for each vehicle in the first-stage sample. Then the second-stage sampling weight was calculated for each vehicle-day selected from all days within the reference period. Finally, these two weights were multiplied together to obtain the final weight for a vehicle-day. The weighted values are obtained by multiplying the final weights and the collected values. They were aggregated to produce the estimates.

Sample size

A total of 6,748 vehicles out of 20,736,444 from the survey population were drawn for the ten provinces. Another 4,168 vehicles out of 60,765 were included in the sample for the three territories.

Data collection and processing

Data Collection

The data collection for the vehicles sampled in the ten provinces is different from the one for the vehicles sampled in the territories.

Provincial collection

The registered owners of the sampled vehicles were telephoned and interviewed (Computer Assisted Telephone Interview, or CATI). During the CATI, the following information is collected about each sampled vehicle: vehicle type, fuel type used, distance driven the previous week, some information about anticipated vehicle usage during the following six weeks, current odometer reading, some vehicle maintenance questions and some questions on the household characteristics. Then the respondent was asked to complete a trip log. If the respondent agreed, personal information, such as name and address, were obtained in order to mail out the trip log for the vehicle.

The log type depended on the type of vehicle. There were two types of logs: a light vehicle log and a heavy vehicle log.

Respondents receiving a light vehicle log were requested to record information for 20 consecutive trips made in the selected vehicle, beginning on the assigned first reporting day. Respondents receiving a heavy vehicle log were requested to record information for all the trips made in the selected vehicle over the assigned seven-day period.

The collected data included information about each trip:

- Start and stop dates and times
- Start and stop odometer readings
- origin and destination (light vehicle log) or trip purpose (heavy vehicle log)
- number and age group of passengers (light vehicle log) or number of passengers at the start and end of the trip (heavy vehicle log)
- sex and age group of the driver
- fuel purchases
- distance traveled on roads with posted speed limit of 80km/h or more
- truck configuration (heavy vehicle log only)
- dangerous goods (heavy vehicle log only)

Starting in 2004, the respondents were also asked to continue to record their fuel purchases until they reported two fill-ups or five fuel purchases or until the 28-day reporting period is over.

If the respondent could not be contacted by phone, a trip log with a short additional questionnaire (to collect some of the information normally collected during the CATI) was mailed out.

To increase the number of responses, respondents were contacted a second time, either by phone or by mail. On the first or second day of the log, an attempt was made to phone each vehicle owner, who agreed during the CATI to fill out the log, to answer any questions the respondent might have. Later, an attempt was made to contact by phone or mail everyone who did not return logs. (Some companies with large vehicle fleets have special arrangements to lower their response burden. There is no follow-up done with these companies.)

Territorial collection

The registered owners of the selected vehicles were mailed questionnaires and asked to provide two odometer readings, one at the beginning of the quarter and another at the beginning of the next quarter. Information was also collected on the vehicle status (owned, sold, scrapped), body style (car, SUV, pick-up, etc.) and type of fuel used.

Edit and Imputation

Once all necessary information for the survey was collected, a series of verifications took place to ensure that the records were consistent and that collection and capture of the data did not introduce errors. Reported data were examined for completeness and consistency using automated edits coupled with manual review. Outliers, i.e., respondents reporting extremely large values, were processed manually.

Missing values and data found in error were imputed by another automated system. The system imputed the data using different imputation rules depending on the vehicle, available information and the type of data to be imputed. For example, the data can be imputed based on other responses for the same vehicle or by using data from a similar vehicle. The imputed data were then again examined for completeness and consistency.

A complete description of the procedures applied to the survey data is available upon request from the Transportation Division of Statistics Canada.

Estimation

Since the survey population differs from the population of interest, several corrections were done to assure that the estimates correspond (as closely as possible) to the population of interest. The sampling weights derived from the sample design were adjusted and improved using updated registration lists. This was possible because, during the passage of time since the sample was selected, new sets of prepared vehicle lists were obtained for the beginning and for the end of the reference quarter. To improve the estimates for the vehicles registered in the ten provinces, all the days were further stratified into working days and holidays (or non-working days, including weekends). Second stage sampling weights were adjusted so that every day of vehicle activity within the same stratum contributed with equal weight to the total estimate. The final set of weights reflected as closely as possible the characteristics of the vehicle population during the reference period.

The following estimates of totals are available:

- vehicle counts by jurisdiction and vehicle type;
- vehicle-kilometres by jurisdiction and vehicle type;
- passenger-kilometres by province and vehicle type;
- fuel consumed, by vehicle type and fuel type;

- cross tabulations of vehicle-kilometers and passenger-kilometers by a number of variables (described in "Data quality, concepts and methodology — Concepts and definitions"), such as body type, driver characteristics, time of day, day of week, etc.

Data quality

This section describes factors that affect the data quality and why they should be considered when using the CVS estimates.

Sources of errors

While considerable effort is put forth to ensure that a high standard is maintained throughout all survey operations, the resulting estimates are inevitably subject to a certain degree of error. The total survey error is defined as the difference between the survey estimate and the true value for the population, at which the survey estimate aims. The total survey error consists of two types of errors: sampling and non-sampling errors.

Sampling error

When a sample is selected from a population, estimates based on the sample data may not be exactly the same as what would be obtained from a census of that population. The two results will likely differ since only data for sampled units are used. In the case of a census, there is no sampling error.

The difference between the estimates from a sample survey and a census conducted under the same conditions is referred to as the sampling error of a survey estimate. Factors such as the sample size, the sample design, the variability of the population characteristic under study and the estimation method affect the sampling error. If the population is very heterogeneous like the population of registered motor vehicles, a large sample size is needed to obtain reliable estimates.

The sampling error is measured by a statistical quantity called the standard error. This quantity reflects the expected variability of the survey estimate of a particular population characteristic if repeated sampling is carried out. The true value of the standard error is, of course, not known but can be estimated from the sample. The estimated standard error is used, in this publication, in terms of a relative measure called the coefficient of variation (or CV). This measure is simply the estimated standard error expressed as a percentage of the value of the survey estimate. Therefore, a smaller CV indicates better reliability of the estimate.

Non-sampling errors

The sampling error is only one component of the total survey error. All other errors arising from all phases of a survey are called non-sampling errors. As the sample size becomes closer to the population size, the sampling error component of the total survey error is expected to decrease. However, this is not necessarily true for the nonsampling error component. For example, this type of error can arise when a respondent provides incorrect information or does not answer certain questions, when a unit in the population of interest is omitted or covered more than once, when a unit that is out-of-scope for the survey is included by mistake or when errors occur in data processing, such as coding and capture errors.

Some non-sampling errors will cancel over a large number of observations, but systematically occurring errors (i.e. those that do not tend to cancel) will contribute to a bias in the estimates. For example, in the case of the CVS, if individuals that use their vehicles more than an average person consistently tend not to respond to the survey, then the resulting estimate of the total vehicle-kilometres will be below the true population total. Any such biases are not reflected in the estimates of standard error.

The non-sampling error as a whole is only one part of the total survey error but its contribution may be important. To minimize the effect of this type of error, a quality assurance program is carried out for each survey. For instance, follow-ups of nonrespondents can be conducted to obtain information from the total nonrespondents or to complete partially unanswered questionnaires for questions that are deemed essential. Various quality assurance procedures can be exercised at the data capture step. The data editing procedures can identify some inconsistencies in the data structure and the imputation procedures can then correct the identified inconsistencies.

In general, non-sampling errors are difficult to quantify. Special studies must be conducted to estimate them. However, certain measures such as response and imputation rates are easily obtained and can be used as indicators of the non-sampling errors. Different types of non-sampling errors are discussed below.

Coverage errors

Coverage errors arise when the survey population does not adequately cover the population of interest. As a result, certain units belonging to the population of interest are either excluded (undercoverage), or counted more than once (overcoverage). In addition, out of scope units may be present in the survey population (overcoverage).

The following sources of coverage errors for the CVS were observed:

- Errors in the classification variables of the survey may result in either under- or overcoverage of the registered vehicles.
- The sample is drawn from the list created three months prior to the beginning of the reference period. Thus the vehicles registered after the list was created and before the end of the reference period cannot be drawn into the sample.
- A vehicle list from any jurisdiction that was not created on time or did not arrive at all results in even larger undercoverage since an older list has to be used for sampling.
- A vehicle list created early causes overcoverage.
- A vehicle that has been scrapped or salvaged and remained on the list causes overcoverage.
- The survey population (see "Data quality, concepts and methodology — Methodology") can contain vehicles with the same Vehicle Identification Number (VIN), for example, when a vehicle is on the registration file of more than one jurisdiction. Since every vehicle has a unique VIN, this is likely to cause some overcoverage and consequently overestimation.
- A vehicle that was registered and subsequently unregistered between two consecutive registration lists causes undercoverage.

Thus the CVS is subject to some degree of under and over coverage. The estimation procedure is designed to compensate for the part of the under- and over coverage that has been determined.

Since we assume that the respondent is right (unless we have hard evidence to the contrary), the corrections at the estimation stage are mostly based on the respondent statements.

Response errors

Response errors occur when a respondent provides incorrect information due to a misinterpretation of the survey questions or due to a lack of correct information, or when a respondent is reluctant to disclose the correct information. Large response errors are likely to be caught during editing. However, others may simply go through undetected.

Few response errors were discovered during editing of the data.

Nonresponse errors

Nonresponse errors can occur when a respondent does not respond at all (total nonresponse) or responds only to some questions (partial nonresponse). These errors can have a serious effect if the nonrespondents are systematically different in survey characteristics from the respondents and/or the nonresponse rate is high. See the response rate tables in "Data quality, concepts and methodology — Data quality".

Processing errors

Apart from coverage, response and nonresponse errors described above, errors that occur during the processing of the data constitute another component of the non-sampling error. Processing errors can arise in data capture, coding, transcription, editing, imputation, outlier detection and treatment, and other types of data handling.

A coding error occurs when a field is coded erroneously because of a misinterpretation of the coding procedures or a bad judgment. A data capture error occurs when the data are misinterpreted or keyed incorrectly. For example, an odometer reading of 53467 could be keyed as 54367.

Once data are coded and captured, they are subject to editing and imputation of missing or erroneous values. The quality of the data used in the estimation depends on the amount of imputation and the difference between the imputed and the true, but unknown, values. The imputation system could result in bias of the estimates. This can happen due to wrong assumptions or due to inability to impute. For example, in the CVS, it is impossible to detect, for vehicles that travel only a small distance during the reported period, fuel purchases that are missing or entered in error.

Measuring quality

This section presents some indicators of the data quality of the CVS estimates.

Response rates

The response rate is a function of the number of vehicles that responded to the survey. This rate is defined as the number of vehicles for which respondents gave complete or partial (vehicle-kilometers only) answers to the survey divided by the total number of in-sample vehicles.

Table A
Vehicle response rates by province and vehicle type

	Light vehicles	Heavy vehicles 4.5 tonnes to 14.9 tonnes	Heavy vehicles 15 tonnes or more
	percent		
Newfoundland and Labrador	51	60	53
Prince Edward Island	63	68	60
Nova Scotia	49	71	67
New Brunswick	55	40	67
Quebec	65	63	70
Ontario	55	56	63
Manitoba	68	65	53
Saskatchewan	48	59	63
Alberta	47	55	47
British Columbia	51	56	59

Table B
Vehicle response rates by territory

	Yukon	Northwest Territories	Nunavut
	percent		
All vehicles	15	14	7

The low level of response may lead to biased results if the characteristics of interest of the nonrespondents are different than those of the respondents.

Relative imputation rates

The relative imputation rate is defined as the proportion of the corresponding published estimate that is accounted for by imputed data. For example, if the total published estimate is 25 million, composed of 20 million from nonimputed data and 5 million from imputed data, then the relative imputation rate is .2 (5 million divided by 25 million) or 20%. The lower the relative imputation rates are, the more reliable the published estimates are.

The relative imputation rates were calculated for each of the estimates and used to establish a quality indicator for each estimate. The relative imputation rates for estimates could be obtained from the Transportation Division of Statistics Canada upon request.

Coefficient of variation

As a measure of the sampling error of the estimates, the estimated coefficients of variation (CV) were calculated. CV's for estimates may be obtained from the Transportation Division of Statistics Canada upon request. Note that the calculated CV estimates take into account the variability due to sampling and the variability due to non-response and imputation.

Quality indicator

To assist the user in evaluating the potential effect of nonresponse, imputation and sampling error, an all-embracing quality indicator accompanies every estimate. The quality indicator is a function of the CV, which takes into account the variability due to sampling and the variability due to non-response and imputation.

Letter and significance	Coefficient of variation
A Excellent	Less than 5%
B Very good	5% to 9.9%
C Good	10% to 14.9%
D Acceptable	15% to 19.9%
E Use with caution	20% to 34.9%
F too unreliable to be published	35% or more

The quality of counts (direct from registration lists) not accompanied by a quality symbol is good or better.

Notes for historical comparison

Recent updates to the vehicle registration files have now been incorporated into the Canadian Vehicle Survey counts and estimates for British Columbia. The revisions affect the last three quarters of 2003, all quarters in 2004 and 2005, and the first three quarters of 2006. On average, estimated vehicle kilometres have been revised upward by 0.8% for the affected quarters in 2003, 2.3% for 2004, 6.7 % for 2005, and 10.0% for the three quarters of 2006. Note that

these revisions, in turn, affect the national estimates for the same periods, although the magnitude is much smaller – 0.2% in 2003, 0.4% in 2004, 0.7% in 2005, and 0.9% in 2006.

Revisions were also made in order to treat holidays consistently across the reference periods. This affected most variables for the four quarters of 2004. Impacts of the revisions vary depending on the variable, but are generally greatest for tables dealing with the day of week or time of day.

The low response rate in British Columbia in the second quarter of 2006 resulted from a disruption in the normal process of contacting respondents. As a result of this low response rate, all estimates for trucks weighing 15.0 tonnes or more in British Columbia for this quarter should be used with caution. The estimates for trucks weighing 4.5 to 14.9 tonnes were also affected, but to a lesser extent.

Beginning with Quarter 1, 2004, the following changes were made and may affect comparability with previous quarters:

- Buses are excluded from the survey
- Rather than estimates of the quantity of fuel purchased, the survey now produces estimates of the quantity of fuel consumed.
- The light vehicle log is based on 20 trips rather than reporting all trips for 7 days. Depending on vehicle usage, some respondents will report more than 7 days worth of trips while others will report less than 7 days.
- The definition of a trip for light vehicles has changed so that a new trip is now reported every time a driver gets in the vehicle or a passenger gets in or out of the vehicle. This change will mean that what was previously reported as one trip could now be reported as two, three or even more trips if there is a change in driver and/or multiple passengers are picked up or dropped off at different locations. This new definition will produce more accurate estimates of passenger-kilometres for light vehicles.

Beginning with Quarter 2, 2003, vehicles that were insured but not registered were removed from the registration lists for Manitoba. As a result, some estimates for Manitoba may be lower than the estimates from previous quarters.

Beginning with Quarter 4, 2001, vehicles that were registered but did not have license plates were removed from the registration lists for Quebec. As a result, some estimates for Quebec may be lower than the estimates from previous quarters.

Beginning with Quarter 1, 2001, the following changes were made and may affect comparability with previous quarters:

- Prior to this quarter, duplicate records found within the same list and duplicate records found in more than one list were removed. Starting in this quarter, duplicate records were removed from within each list only. This change may cause some overcoverage and, consequently, overestimation.
- Type of fuel used and body type are collected for the territories. Consequently, the four tables (3-3, 3-4, 4-3, 4-4) now include the territories.
- The heavy vehicle logs were changed in 2001 in order to collect passenger information for heavy vehicles. This change means that passenger-kilometres are now estimated for all vehicles, except urban transit buses, for all the provinces (but not for territories).
- The heavy vehicle logs were also changed in 2001 in order to collect distance traveled on roads with posted speeds of 80 kilometres per hour or more. This change means that this information is now estimated for all vehicle types in all provinces (but not for the territories).

The following change was made in the third quarter of 2000 and may affect comparability with previous quarterly results:

- Owners of buses and heavy vehicles registered in the territories are now sent two short questionnaires to record odometer readings at the start and end of the quarter. This process was always used for light vehicles in the territories and replaces the previous method of sending only one questionnaire at the end of the quarter and requesting that bus and heavy vehicle owners rely on maintenance records to provide odometer readings for the start of the quarter.

The following changes were made in the first quarter of 2000 to improve the quality of the survey by diminishing non-sampling errors.

The changes that affect comparability with 1999 results:

- The trip purpose choices (for all vehicle types) were changed. The purpose is now based on the destination of the trip. Thus the results from 2000 and 1999 are not comparable for this item.
- Passenger-kilometers were not collected for heavy vehicles in 2000.

The changes that may affect comparability with the 1999 results:

- A new log was developed for survey year 2000 for all heavy vehicles. In 1999 heavy vehicles with gross vehicle weights of 4.5 tonnes or more and less than 15 tonnes had a different log than heavy vehicles with gross vehicle weights of 15 tonnes or more.
- The fuel purchased question was attached to each trip for the 2000 survey year for heavy vehicles. Previously it was recorded separately from the trips.

Appendix I

Glossary

Population of interest: the collection of all units (for example, vehicle-days) for which the information is required.

Survey population: the collection of all units (for example, vehicle-days) for which the information can be realistically provided to the survey. The survey population may differ from the population of interest due to the operational difficulty of identifying all the units that belong to the population of interest. A list of all units in the survey population with their classification information (for example, geographical, vehicle characteristics, date) is used for sample design, selection and estimation.

Stratification: a non-overlapping partition of the survey population into relatively homogeneous groups with respect to certain characteristics such as geographical classification, size, etc. These groups are called strata and are used for sample allocation and selection.

Sampling weight: a raising factor is attached to each sampled unit (vehicle-day) to obtain estimates for the population from a sample. The basic concept of the sampling weight can be explained by using the representation rate. For example, if 2 units are selected out of 10 population units at random, then each selected unit represents 5 units in the population including itself, and is given the sampling weight of 5. A survey with a complex sample design like CVS requires a more complicated way of calculating the sampling weight. However, the sampling weight is still equal to the number of units in the registration lists the sampled unit represents.

Editing: the application of checks that identify missing, invalid or inconsistent entries or that point to data records that are potentially in error. Some of these checks involve logical relationships that follow directly from the concepts and definitions. Others are more empirical in nature or are obtained as a result of the application of statistical tests or procedures.

Imputation: the process used to resolve problems of missing, invalid or inconsistent responses identified during editing. This is done by changing some of the responses or missing values on the record being edited to ensure that a plausible, internally coherent record is created. Some problems are eliminated earlier through contact with the respondent or through manual study of the questionnaire. It is generally impossible to resolve all problems at these early stages due to concerns of response burden, cost and timeliness. Imputation is then used to handle remaining edit failures, since it is desirable to produce a complete and consistent file containing imputed data. Although, imputation can improve the quality of the final data by correcting for missing, invalid or inconsistent responses, some methods of imputation do not preserve the relationships between variables or can actually distort underlying distributions.