

Northwest Territories
Highway Traffic, 2008



Northwest
Territories Transportation

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Department of Transportation
Government of the Northwest Territories
September 2009

Acknowledgements

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Table of Contents

Table of Contents	Page i
List of Figures	Page ii
List of Tables	Page iii
1.0 Summary of Traffic Data Collection Activities and Analysis	Page 1
1.1 Background	Page 1
1.2 Traffic Data Collection System	Page 1
1.3 Traffic Data Processing	Page 5
1.4 Glossary of Terms	Page 5
1.5 Layout of the Report	Page 6
2.0 Highway Traffic Volume Data	Page 7
3.0 Vehicle Movements at Ferries and Weigh Scales	Page 22
Appendix A Historical Data	
Appendix B Data Processing Methodology	

List of Figures

Figure 1	Northwest Territories Permanent and Seasonal Counter Locations (2008)	Page 2
Figure 2	2008 AADT at Permanent Counters	Page 7
Figure 3	2008 AADT on Highway Segments	Page 8
Figure 4	Vehicle Kilometres Travelled on Northwest Territories Highways	Page 17
Figure 5	Yearly Trend in Road Related Indicators	Page 18
Figure 6	Distribution of Monthly Traffic	Page 19
Figure 7	Distribution of Daily Traffic	Page 20
Figure 8	Distribution of Hourly Traffic	Page 21
Figure 9	Average Daily Traffic on Highway Ferries	Page 22
Figure 10	Commercial Vehicles Weighed at the Enterprise Weigh Scale	Page 30
Figure 11	Commercial Vehicle Activity at the Enterprise Weigh Scale	Page 31
Figure 12	Commercial Vehicle Activity at the Inuvik Weigh Scale	Page 32
Figure 13	Vehicle Classifications	Page 33

List of Tables

Table 1	Highway System Classification (2008)	Page 3
Table 2	Permanent and Seasonal Counter Locations	Page 4
Table 3	Estimated Traffic on Northwest Territories Highways	Page 9
Table 4	Traffic on Northwest Territories Access Roads (sorted by counter)	Page 10
Table 5	Monthly Average Daily Traffic on Northwest Territories Winter Roads (sorted by counter)	Page 12
Table 6	Opening and Closing Dates for Winter Roads & Ice Bridges	Page 13
Table 7	Truck Traffic on Selected Winter Mining Roads	Page 14
Table 8	Estimated Vehicle Kilometres Travelled on Northwest Territories Highways	Page 15
Table 9	Average Daily Traffic on Highway Ferries	Page 23
Table 10	Vehicle Classification Data at Dory Point Ferry (M.V. Merv Hardie)	Page 24
Table 11	Vehicle Classification Data at Liard River Ferry (M.V. Lafferty)	Page 25
Table 12	Vehicle Classification Data at Mackenzie River Ferry (M.V. Louis Cardinal)	Page 26
Table 13	Vehicle Classification Data at Peel River Ferry (C.F. Abraham Francis)	Page 27
Table 14	Vehicle Classification Data at Mackenzie River Ferry (M.V. Johnny Berens)	Page 28
Table 15	Vehicle Classification at the Enterprise Weigh Scale	Page 29

1.0 Summary of Traffic Data Collection Activities and Analysis

1.1 Background

The Northwest Territories highway network consists of 2200 kilometres of all-weather roads and 1400 kilometres of winter roads. The highway system also includes five vehicle ferries. A map of the highway network is provided in Figure 1. A detailed listing of the highway system classification by surface type is provided in Table 1. It is noted that, in addition to the above, there are a number of winter roads constructed by mining companies to facilitate mine resupply.

The Department of Transportation of the Government of the Northwest Territories is responsible for operation and maintenance, capital rehabilitation, and upgrading of the Northwest Territories highway network. To monitor traffic utilizing the highway system, the Department of Transportation operates a series of mechanical counters and conducts periodic visual counts and surveys. Supplementing this information is data from the weigh scales and usage logs from the five ferries. Information obtained is used by the department to monitor changes in traffic flows, classify highways, set priorities in maintenance and capital funding, monitor safety aspects of the highways and optimize engineering designs. Traffic data is also used by businesses and the general public as the need arises.

This report presents traffic data collected by the Department of Transportation on the territorial highway network from 1993 to 2008. This report includes traffic information collected on major highways, access roads, winter roads and associated ferry crossings. The report also contains information on vehicle classifications.

1.2 Traffic Data Collection System

The Northwest Territories Department of Transportation collects traffic at a number of permanent and seasonal counting stations as shown in Table 2 and illustrated in Figure 1. These stations provide hourly information on traffic for the complete year, or selected portions of the year for counters located on winter roads or other seasonal access roads. These stations are positioned to capture the general flow of traffic on the highway network.

Vehicle classification information is collected at the five ferries that operate on the highway system. The Marine Services Division of the Department of Transportation is responsible for collecting and processing this information.

Special turning movement counts at select intersections and visual vehicle classification counts are also conducted annually or as need arises. No manual counts were undertaken in 2008.

Information on truck volumes and commodities is obtained from the weigh scale in Enterprise. Truck volumes utilizing private (mining) winter roads is also collected and presented in this report.

In 2008, approximately 40 percent of all potential data was useable for determining traffic volumes. This performance is attributed to the age of the traffic counters, breakdown of the loops and malfunctioning data modules, but represents a significant improvement since 2006. Where data was missing, traffic volumes have been estimated based on previous years' data and information from other sources such as vehicle movements at ferries and weigh scales. The Department is working to improve data collection activities, including the purchase of new counters and loops and the installation of temporary counters.

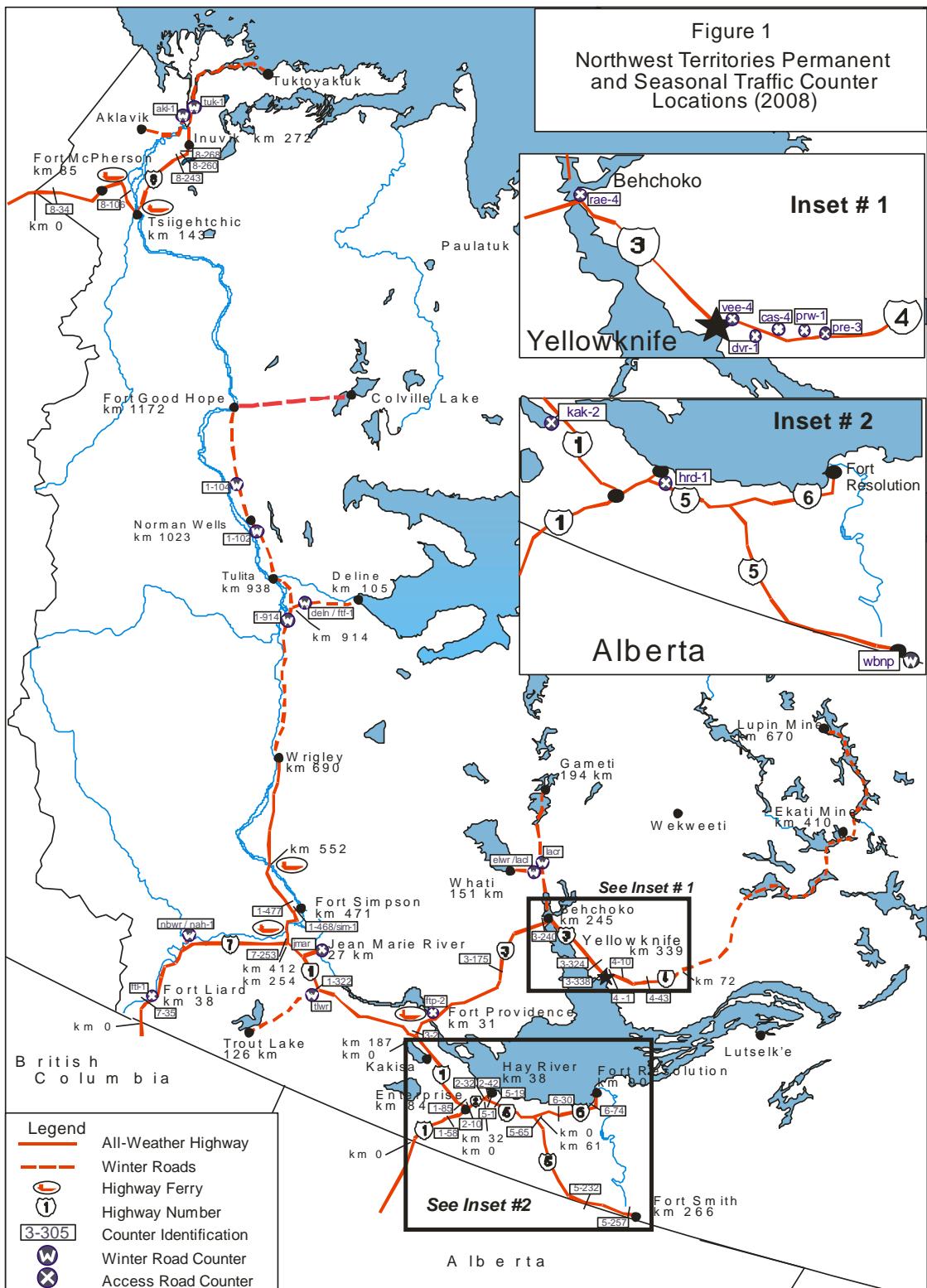


Table 1 Highway System Classification (2008)

Classification	Length (kilometres)						Total
	Paved	Dust- Controlled Gravel	Untreated Gravel	Ferry Crossing	Winter Road		
All-Weather Highways							
Highway 1 (Mackenzie Highway to Wrigley)	249.2	242.8	195.5	2.5	-	690.0	
Highway 2 (Hay River Highway)	43.7	-	-	-	-	43.7	
Highway 3 (Yellowknife Highway)	337.6	-	-	1.2	-	338.8	
Highway 4 (Ingraham Trail)	28.3	40.9	-	-	-	69.2	
Highway 5 (Fort Smith Highway)	158.5	108.5	-	-	-	267.0	
Highway 6 (Fort Resolution Highway)	36.0	26.0	28.0	-	-	90.0	
Highway 7 (Liard Highway)	-	73.2	180.9	-	-	254.1	
Highway 8 (Dempster Highway)	10.3	67.2	195.0	-	-	272.5	
Total	863.6	558.6	599.4	3.7	0.0	2,025.3	
Access Roads							
Kakisa Lake Access	12.9	-	-	-	-	12.9	
Fort Simpson Access	3.4	-	-	-	-	3.4	
Jean Marie River Access	-	-	27.4	-	-	27.4	
Fort Providence Access	5.4	-	-	-	-	5.4	
Rae Access	10.5	-	-	-	-	10.5	
Dettah Access	0.0	11.3	-	-	-	11.3	
Hay River Reserve Access	2.4	11.8	-	-	-	14.2	
Fort Liard Access	1.3	-	4.0	-	-	5.3	
Hay River Hwy. No. 2 Km 43.7 - 48.6	4.9	-	-	-	-	4.9	
Yellowknife Access	1.7	-	-	-	-	1.7	
Fort McPherson Access	-	1.1	-	-	-	1.1	
Inuvik Access	0.6	-	-	-	-	0.6	
Hwy 3 Ice Crossing Access	-	9.4	-	-	-	9.4	
Miscellaneous Minor Access	3.2	8.5	45.2	-	-	56.9	
Total	57.6	30.8	76.6	0.0	0.0	165.0	
Winter Roads							
Highway 1 (Mackenzie Highway, Wrigley to FGH)	-	-	-	-	486.4	486.4	
Colville Lake Access (opened March 2001)	-	-	-	-	165.0	165.0	
Highway 3 Ice Crossing	-	-	-	-	3.1	3.1	
Trout Lake Access	-	-	-	-	126.0	126.0	
Deline Access	-	-	-	-	105.3	105.3	
Wha'ti Road	-	-	-	-	103.0	103.0	
Rae Lake Road	-	-	-	-	125.0	125.0	
Nahanni Butte Access	-	-	9.0	-	13.3	22.3	
Tuktoyaktuk Access	-	-	-	-	184.0	184.0	
Aklavik Access	-	-	-	-	85.0	85.0	
Dettah Access	-	-	-	-	6.3	6.3	
Total	0.0	0.0	9.0	0.0	1,402.4	1,411.4	
Total All-Weather Roads						2,189.3	
Total Winter Roads (Department of Transportation)						1,411.4	

Table 2 Permanent and Seasonal Counter Locations

Counter ID	Location (Hwy / Road)	Kilometre	Description
All-Weather Highways			
1-58	Highway 1	58	15 km south of Alexandra Falls
1-85	Highway 1	85	1.2 km west of Enterprise
1-322	Highway 1	322	0.4 km west of Trout Lake winter road
1-477	Highway 1	477	5.2 km west of Fort Simpson Access on Highway 1
2-10	Highway 2	10	10 km north of Enterprise, south of Paradise Gardens
2-32	Highway 2	32	40 metres north of Highway 2 and 5 intersection, south of service road
2-42	Highway 2	42	North of West Channel, across bridge
3-2	Highway 3	2	2 km north of Highway 1 and 3 intersection, south of ferry landing
3-175	Highway 3	175	53 km north of Chan Lake, 62 km south of Edzo
3-240	Highway 3	240	3 km south of Rae Access, north of Edzo
3-324	Highway 3	324	19.3 km east of Boundary Creek
3-338	Highway 3	338	0.8 km west of Highway 3 and 4 intersection
4-1	Highway 4	1	1 km north of Highway 3 and 4 intersection
4-10	Highway 4	10	2.5 km east of Yellowknife River Bridge / 300 m west of Dettah Access Road
4-43	Highway 4	43	11 km east of Prelude Lake East Access, 12 km west of Cameron River
5-1	Highway 5	1	1 km east of Highway 2 and 5, 1.5 km west of Hay River Reserve Access
5-19	Highway 5	19	10.6 km east of Sandy Creek, 19 km east of Highway 2 and 5 intersection
5-65	Highway 5	65	5 km south of Highway 5 and 6 intersection
5-232	Highway 5	232	12.3 km west of Salt River Village Access
5-257	Highway 5	257	6.1 km west of Fort Smith
6-30	Highway 6	30	8.5 km east of Pine Point Access
6-74	Highway 6	74	16 km west of Fort Resolution
7-35	Highway 7	35	2.6 km south of Fort Liard
7-253	Highway 7	253	0.3 km south of Highway 1 and 7 intersection
8-34	Highway 8	34	10 km west of Midway Lake
8-106	Highway 8	106	20.6 km north of Fort McPherson Access
8-243	Highway 8	243	1 km south of Cabin Creek
8-260	Highway 8	260	0.7 km north of airport access
8-268	Highway 8	268	1.3 km south of Inuvik
Access Roads			
cas-4	Cassidy Point	1	1 km north of junction with Highway 4
dvr-1	Dettah	1	1 km south of junction with Highway 4
ftl-1	Fort Liard	1	1 km west of junction with Highway 7
ftp-2	Fort Providence	2	2 km west of junction with Highway 3
hrd-1	Hay River Dene Reserve	1	1 km north of junction with Highway 5
jmar	Jean Marie River	1	1 km north of junction with Highway 1
kak-2	Kakisa	2	2 km south of junction with Highway 1
pre-3	Prelude East	1	1 km north of junction with Highway 4
prw-1	Prelude West	1	1 km north of junction with Highway 4
rae-4	Fort Rae	4.2	4.2 km north of junction with Highway 3
vee-4	Vee Lake	4.3	4 km north of junction with Highway 4
sim-1	Fort Simpson	1	1 km north of junction with Highway 1
Winter Roads			
1-914	Highway 1	914	northern-most side of junction of Highway 1 and Deline Access
1-102	Highway 1	1022	1.4 km south of Norman Wells
1-104	Highway 1	1031	7.6 km north of Norman Wells
akl-1	Aklavik	1	1 km west of junction with Tuktoyuktuk winter road
deln / ftl-1	Deline	1	1 km east of junction with Highway 1
elwr / lacl	Wha'ti	72	1 km west of junction with Rae Lakes Access road
lacr	Wha'ti / Rae Lakes	72	1 km north of junction with Wha'ti Access road
nbwr / nah-1	Nahanni Butte	2	2 km west of junction with Highway 7
tlwr	Trout Lake	1	1 km south of junction with Highway 1
tuk-1	Tuktoyaktuk	1	km 34 on Tuk winter road, 1 km north of junction with Aklavik winter road
wbnp	Wood Buffalo National Park		

1.3 Traffic Data Processing

The permanent traffic counters located throughout the Northwest Territories highway network collect traffic data on a continual basis. This data is stored to memory every hour. Approximately once per month, personnel working out of the highway maintenance camps download the data to a module, clear the internal memory of the counter, and send the downloaded data to the Transportation Planning, Policy and Environment Division.

Personnel with the Transportation Planning, Policy and Environment Division download the data from the module to the government network in a flat file (ASCII format) and conduct a first level screening of the data. Any problems are noted and corrupt data is disregarded. The data is then copied into a Microsoft Excel spreadsheet and analysed to obtain the information presented in this report.

The first step in the analysis of the traffic data is to check for completeness and accuracy. Common problems include missing data due to the counter or module not functioning correctly, overlapping or missing data between months, and counts too high or low due to counter malfunctions. To ensure accurate results and also provide as much information as possible, a series of procedures has been established to correct deficiencies in the data. These steps are outlined in Appendix B.

1.4 Glossary of Terms

Average Annual Daily Traffic (AADT) is an estimate of the mean daily traffic for a period of one year.

Average Daily Traffic (ADT) is an estimate of the mean traffic for a specified period of time. For example, monthly ADT is an estimate of the mean daily traffic for a specified month.

Growth Rate is the increase or decrease in AADT from year to year.

Near Urban Highway is a section of highway located within or near a major urban centre.

Peak Summer Average Daily Traffic (PSADT) is an estimate of the mean daily traffic for the months of June, July and August.

Permanent Traffic Counter is a counter that is permanently placed at a specific location and counts traffic continuously.

Rural Highway is a section of highway located away from the traffic influence of a major urban centre.

Short Term Counts provide measurements of traffic characteristics based on visual observation for a specified period of time and purpose.

Traffic Distributions illustrate how traffic varies over time. Distributions may be by month, by day of the week or hourly, and is usually measured as a percent of the AADT.

Vehicle Classification is the distribution of vehicle types in a traffic stream.

Vehicle Kilometres Travelled is the total number of vehicles for a specific road segment multiplied by the length of the road segment.

1.5 Layout of the Report

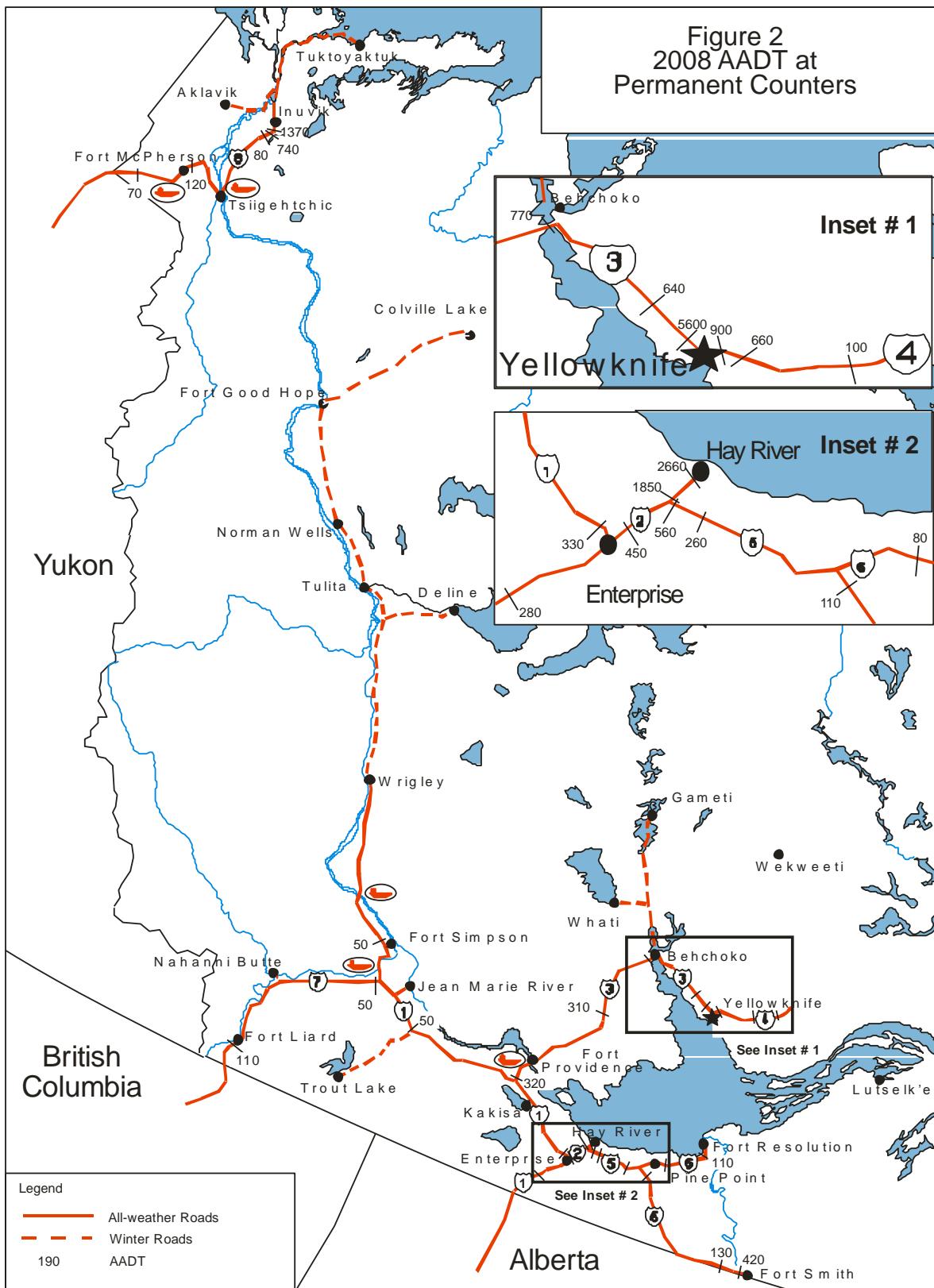
This report is organized into four sections.

Section 1 provides an introduction to the Northwest Territories traffic data collection system.

Section 2 presents the traffic information collected at all permanent counter locations and selected mining roads; including traffic volumes, distributions and vehicle kilometres travelled.

Section 3 presents traffic information collected on highway ferries, and commercial vehicle activity from the weigh scales.

The Appendices present additional detailed traffic information.



Note: Some data in this figure has been estimated using information from past years. See Appendix A for actual data.

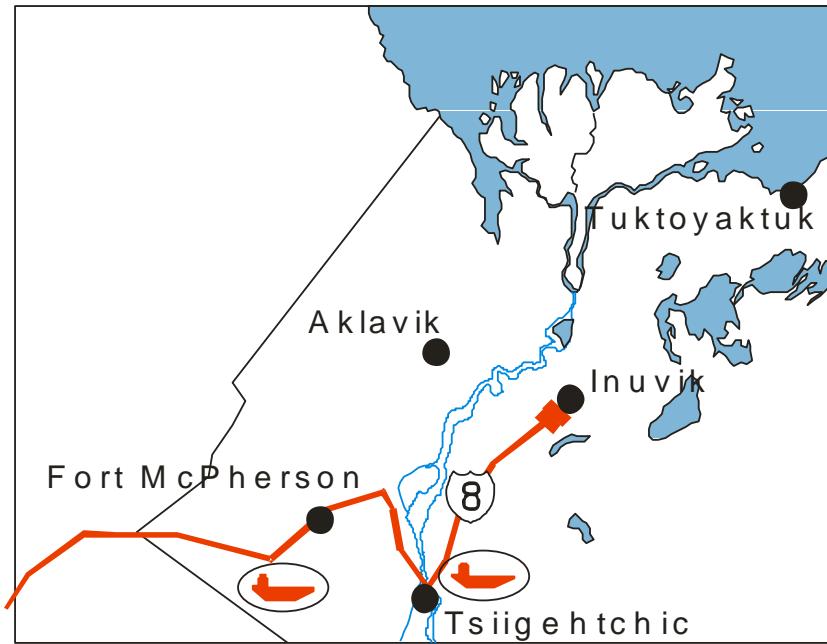


Figure 3
2008 AADT on Highway Segments

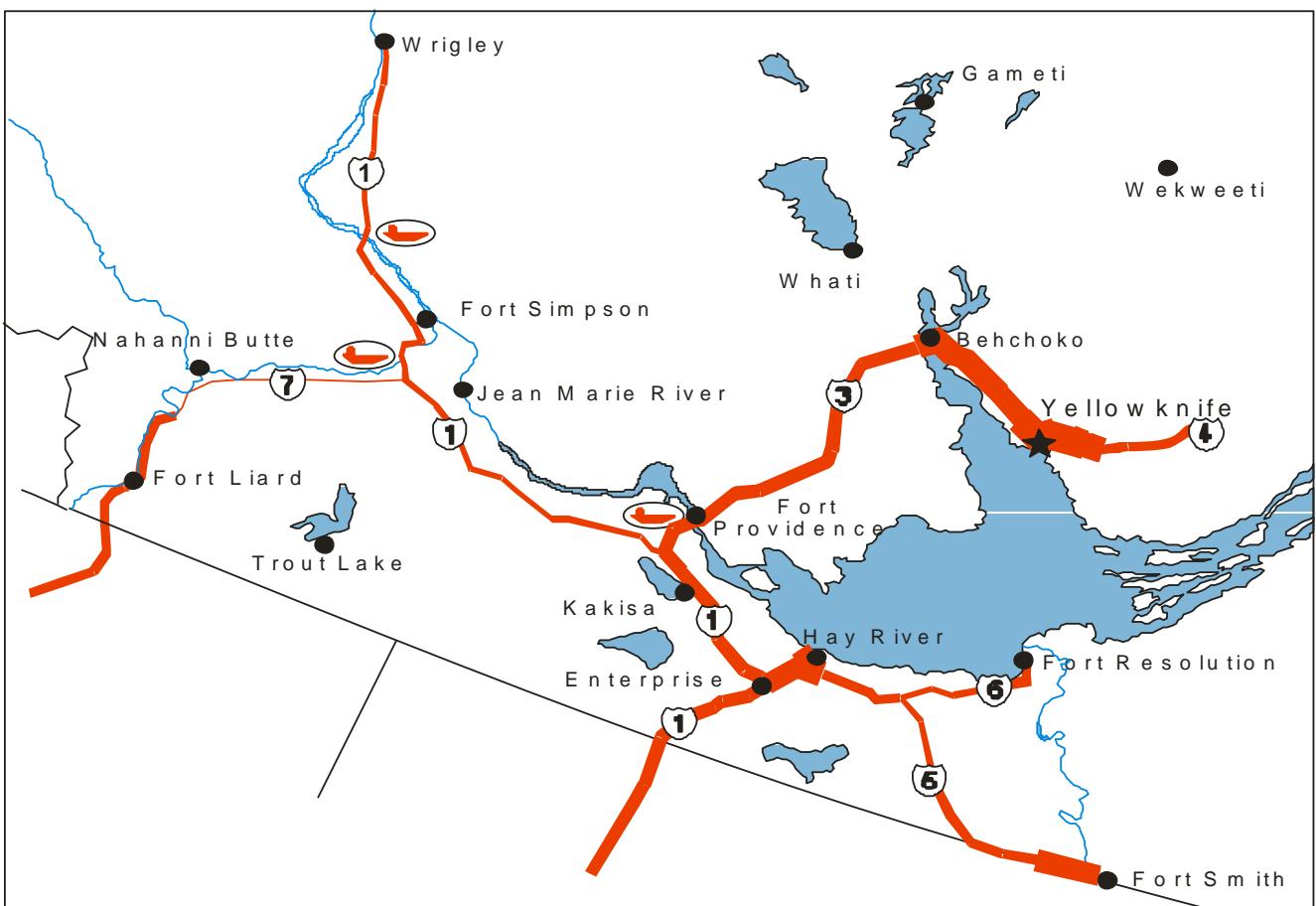


Table 3 Estimated Traffic on Northwest Territories Highways

Highway	Kilometre	Counter	Description	AADT										PSDT										
				2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	
1	58	1-58	15 km south of Alexandra Falls	280	270	280	280	Data	250	250	240	230	220	0	**	350	390	Data	380	420	390	350	340	
1	85	1-85	1.2 km west of Enterprise	330	410	390	300	Not	270	270	250	240	230	0	**	380	420	380	400	320	320	320	320	
1	322	1-322	0.4 km west of Trout Lake Winter Road	50	60	60	70	60	60	60	60	60	60	60	**	60	90	Not	80	90	80	80	80	**
1	477	1-477	5.2 km west of Fort Simpson Access on Highway 1	50	60	70	60	50	50	40	40	40	40	0	**	60	60	60	60	60	70	60	60	**
2	10	2-10	10 km north of Enterprise, south of Paradise Gardens	450	380	420	450	410	420	400	400	400	400	0	**	490	550	510	530	500	500	500	500	510
2	32	2-32	40 metres north of Highway 2 & 5 intersection	1850	1790	1420	1460	1390	1420	1340	1340	1340	1340	**	0	**	1920	1920	1920	1970	1860	1860	1860	1860
2	42	2-42	North of West Channel across bridge	2660	2940	2130	2660	2530	2590	2440	2420	2400	2400	0	**	**	3130	3120	3200	3010	3010	3000	3000	3000
3	2	3-2	2 km north of Highway 1 & 3 intersection, south of ferry	320	300	270	260	Data	250	240	220	200	190	0	**	290	350	Data	350	330	290	290	280	280
3	175	3-175	53 km north of Chan Lake, 62 km south of Edzo	310	300	210	210	210	210	190	180	180	180	0	**	290	290	280	270	260	260	260	260	
3	240	3-240	3 km south of Rae access, south of Frank's Channel	770	780	780	650	Not	650	640	590	570	550	0	**	860	710	Not	710	700	670	650	650	650
3	324	3-324	21 km east of Boundary Creek	640	640	640	610	450	440	410	400	390	0	**	**	690	520	500	470	460	470	470	470	
3	338	3-338	0.8 km west of Highway 3 and 4 intersection	5600	5600	5600	5570	5570	5460	5060	4980	5010	0	**	6730	6460	6460	6460	6330	6030	6030	6030	6180	
4	1	4-1	1 km north of Highway 3 & 4 intersection	900	870	1240	1240	1240	1240	1230	1330	0	**	**	1600	1600	1600	1600	1600	1600	1600	1600	1830	
4	10	4-10	2.5 km east of Yellowknife River Bridge	660	610	730	730	730	730	720	720	**	0	**	**	950	950	950	950	950	950	950	950	**
4	43	4-43	11 km east of Prelude Lake East Access	130	160	100	100	100	100	100	100	**	0	**	**	130	130	130	130	130	130	130	140	**
5	1	5-1	1 km east of Highway 2 & 5 intersection	560	560	560	560	Data	560	530	520	510	520	0	**	**	740	Data	740	710	690	690	700	700
5	19	5-19	19 km east of Highway 2 & 5 intersection	260	210	150	170	170	160	160	170	170	0	**	180	230	230	220	220	220	210	210	210	
5	65	5-65	5 km south of Highway 5 & 6 intersection	110	90	170	80	Not	80	70	70	70	80	0	**	**	100	Not	110	100	100	100	110	110
5	232	5-232	25 km west of Fort Smith	130	130	130	130	130	120	120	120	120	120	**	0	**	200	200	190	180	180	180	180	**
5	257	5-257	6.1 km west of Fort Smith	420	420	420	420	420	390	390	390	390	390	0	**	**	530	530	510	500	480	480	480	480
6	30	6-30	8.5 km east of Pine Point Access	80	80	80	80	80	80	80	80	80	80	0	**	80	90	100	110	100	100	100	90	
6	74	6-74	16 km west of Fort Resolution	110	110	100	120	110	100	110	100	100	100	0	**	130	130	140	140	140	130	130	120	
7	35	7-35	2.6 km south of Fort Liard	110	110	140	120	120	120	120	120	120	120	**	**	0	**	130	Data	130	130	130	130	**
7	253	7-253	0.3 km south of Highway 1 & 7 intersection	50	50	30	30	30	30	30	30	30	30	0	**	40	40	40	40	40	40	40	50	
8	34	8-34	10 km west of Midway Lake	70	70	70	50	50	50	40	40	40	40	0	**	130	90	100	100	90	90	90	100	
8	106	8-106	4.6 km north of Fort McPherson Access	120	110	90	100	80	80	80	90	90	90	0	**	130	140	180	170	150	160	180	180	
8	243	8-243	1 km south of Cabin Creek	80	80	80	80	80	80	70	80	80	80	0	**	**	130	130	130	130	120	120	130	130
8	260	8-260	0.7 km north of airport access	740	740	740	740	730	690	630	630	630	630	0	**	**	760	760	900	830	850	850	930	930
8	268	8-268	1.3 km south of Inuvik	1370	1370	1370	1370	1270	1210	1120	1120	1150	1150	0	**	**	1400	1300	1640	1510	1500	1650	1650	1650

Note: See Appendix A for actual data obtained from each traffic counter for 2007.

** Insufficient data to calculate AADT/PSADT

AADT - Average Annual Daily Traffic

PSADT - Peak Summer Average Daily Traffic (June, July, August)

All values are estimated and rounded to the nearest 10.

Table 4 Traffic on Northwest Territories Access Roads (sorted by counter)

Community	Location (km)	Counter ID	Year	Monthly Average Daily Traffic												PSADT
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Kakisa	2	kak-2	2000	24	43	52	74	86	50			33	36	47		50
			1999	27	27	38	60	89	53			52	39	27	25	53
			1998			28	64	77	101	80		55	32	29	23	86
			1997	23	21	21		94	79	90		37	15	21	20	88
			1996	18	23	25	23	49	84	109	90	43	31	24	24	94
			1995	26			24		77	109	76	54	31	23	24	97
			1994	15	19	17		49	68	109	87	48	37		24	88
			1993	16		20	21	46	61	81	94	44	29	20	20	79
Rae	4.2	rae-4	2008	628	671	784	735	717	695	647	702	768	772	649	597	681
			2007						726	804	665	685	777	682	621	732
			2004		693	667										
			1998				433									
			1997							543	593	542	568			568
			1996					580			686	673	582	373		686
			1995							553	614	621	644	581	389	584
			1994						194				681			
Dettah	1	dtr-1	2008	37	33	22		173	194	168	186	182	202	173	139	183
			2007					422	313	255	176	158	169	153	114	248
			2001	56	161			283	284	256						270
			2000	48	34	54	95	261	310.033	211	278	290	277	235		266
			1999	44	53	292	277			245	270	289	293	246		258
			1998	73	65	57	31	121	156	134	121			259	212	137
			1997							126	98	241	252	186		126
			1996							237	211	252	258	262		224
			1995	48	42	44	118		260	215	212	250	240	217		229
			1994					52	130	269	228		252	248	228	125
Paradise Gardens	2	pgr-1	1996	78	90	93	109	111	157	160	172	141	122	103	99	163
			1995							143	134	109	94	78		143
			1994	69	65	68	96	110	138	128	140	123				135
			1993						114	97	109	103	87	76	73	107
Vee Lake	4.3	vee-4	2005			75	65	58	72	68	59	45	35	20		66
			2004	40	61	55		59								
			2003							57	54	34	52	44		57
			2002	56					60	75	44		19			60
			2001													
			2000													
			1999	43	82	70	58	39								71
			1998	63	71	70	58	79	77	77	59	49	35	37	20	71
			1997						86	65	63	41	33			71
			1996						100	67	58	37	25	38		75
			1995						71	51	52	26	41			61
			1994						90	84	56	47	33			77
			1993						76	85	72	59	46	32	28	72
Cassidy Point	4	cas-4	1998							96	54	46	35			96
			1997							57	50	36	36			54
			1996							123	94	75	49	43		109
			1995									46	34			
			1994		75	88	177	84	96	102	82	67	53			93
			1993							90	100	80	64	50	44	95
Prelude Lake West	1	pw-1	1998						193	238	139	78	57			215.5
			1997						290	290	253	141	64			277.7
			1996						331	256	243	127	90	101		276.7
			1995									83	50			
			1994							239		117	85	63		239.3
Prelude Lake East	3	pre-3	2000						306							306
			1999						283	307	261					284
			1998							5	88	83	74	59		59
			1997							116	83	76	62	58		62
			1996								68	65	48	29		68
			1995								85	71	64	54		78
			1994								93	91	86	82	72	88

Table 4 cont'd Traffic on Northwest Territories Access Roads (sorted by counter)

Community	Location (km)	Counter ID	Year	Monthly Average Daily Traffic												PSADT
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Hay River Dene Village	1	hrd-1	2005		86	83	178	479				546	378			
			2004	84	80	73										
			2001		36	404		287		623	469	121	441			455
			2000	14	37	52	304	416	453	400	421	469				425
			1999	32	37	126	357		356	399	425	167		33		378
			1998	62	40	48	267					420	301	45		
			1997	29	33	42		395	362			366	375	396		379
			1996	31	54	71	354	446	480	383	416	373	390	255	33	426
			1995	29	33	41	216	451	391	420	407	414	170	43		421
			1994	26	31	75	302						46	39		
			1993	28	27	137	376		411	356	365	333	344	234	50	377
Fort Providence	2	ftp-2	2008	296	317	357	334	469	570	552	491	424		269	278	538
			2007	322	246	289	290	422	554	513	654		362	306	297	574
			2006	318	301	280	303	420	500	478			355	266	405	489
			2005		362	464	133	43	415	387	333		201	180		378
			2004	255	298											
			2003	260	269	264		396	353	515	551					473
			2002	277	243	248				457	375	334	279	289		457
			2001		208			324	352	365	336	207				347
			2000	315	421	270	219	299	259	254	210	194	200	139	119	241
			1999	316	423	259	309	662	239	205	176	170	154	149		207
			1998	249	276	271	397	315			309	328	254	49		
			1997		213			465	439	488	337	271				464
			1996	211	227	242	297	360	421	419	501	397	307	331	247	447
			1995	200	228	226	273	357	368	426	477	303	262	244		424
			1994	197	192	246	281	381	449	512	383	315	243	222	230	448
Fort Liard	1	ftl-1	1998		242	175	207	332	405	326	249					354
			1997	166	218	211	238				132	89				
			1996		195	210			252	197	193	156		142		225
			1995	172	366	339	213	220	209	255	297	220	172	135	134	254
			1994	150	161	197	169	206			231	190	199	162	172	231
			1993	155	165	166	170	180	204	211	193	180	171	162	146	203
Fort Simpson	1	sim-1	2008	1176	1221	1275	1198								476	
			2007	1203	1335	1261	954	1343	1323	1404	1349	1227	1258	1248	1340	1359
			2006	1075		1176	1126	1293	1465	1386	1397			1445	1341	1416
			2005						1292	1493	1313	1202	1107	1041		1393
			2004													
			2003		1289	1302										
			2001			430					269	354				911
			2000	961	991	1093	1110			911						
			1999	960	989	1076	1114	891								
			1998		478	895	866		1100	1215	1143	1208	978			1153
Jean Marie River	1	jmar	2008	17		20	32	76								
			2007	37	39	18	17	28	34	22	18	16	23	39	13	25
			2006			22	85	71	32	33	13	29			25	26
			2005						24	23	33	23				24
			2004													
			2003			34	36									
			2001					16	22	30	23	17				23
			2000									19	27	81		
			1999													
			1998	12	18	18	14	14	62		89	70	49			76

Note: Blanks indicate insufficient data to calculate monthly ADT.

Table 5 Monthly Average Daily Traffic on Northwest Territories Winter Roads (sorted by road)

Winter Road	Location (km)	Counter ID	Year	Opening Date	Closing Date	Number Days	Monthly Average Daily Traffic					ADT
							Dec	Jan	Feb	March	April	
Aklavik	1	akl-1	1996	19-Dec-1995	26-Apr-1996	129			32	49	43	41
			1995	23-Dec-1994	24-Apr-1995	122						
			1994	18-Jan-1994	28-Apr-1994	100						
			1993	15-Dec-1992	2-May-1993	138			53	61	70	

Colville Lake	1	col-1	2009	19-Dec-2008	5-Apr-2009	107		16	21	16		18
			2008	14-Dec-2007	9-Apr-2008	117		11	21	21		18
			2007	4-Jan-2007	31-Mar-2007	86		18	14	27		20
			2006	13-Jan-2006	22-Mar-2006	68		4	14	17		14
			2005	13-Dec-2004	1-Apr-2005	109		54	54			54

Deline	1	deln	2009	20-Jan-2009	5-Apr-2009	75		14	32	31		26
			2007	19-Jan-2007	31-Mar-2007	71		36	32	43		37
			2006	25-Jan-2006	22-Mar-2006	56		54	49	39		45
			1998	3-Feb-1998	16-Mar-1998	41		13	15	0		15
			1997	4-Feb-1997	17-Mar-1997	41		110	73	46		76.33333
			1996	18-Jan-1996	20-Mar-1996	62						
			1995	20-Jan-1995	26-Mar-1995	65			39	35		37
			1994	25-Jan-1994	30-Mar-1994	64		42	19	30		30
			1993	18-Jan-1993	29-Mar-1993	70		16	23	35	21	23

Dettah Ice Road	at entrance	dettah	2009	23-Dec-2008	13-Apr-2009	111		575	538	599	604		579
			2008	21-Dec-2007	11-Apr-2008	112		533	501	526	477		509
			(Yellowknife Side)	4-Jan-2007	12-Apr-2007	98		496	461				479
			2006	20-Dec-2005	16-Apr-2006	117	686	644	712	814	764		726
			2005	10-Dec-2004	11-Apr-2005	122	652	624	829	973			791

Gameti	72	lacr	2009	21-Feb-2009	14-Apr-2009	52		46	34			40
			2008	28-Feb-2008	11-Apr-2008	43		43	55			49
			2007	28-Feb-2007	12-Apr-2007	43		43	55			49
			1997	7-Feb-1997	25-Mar-1997	46		78	170	152		133
			1996	2-Feb-1996	20-Mar-1996	47						
			1995	30-Jan-1995	22-Mar-1995	51						

Highway No. 1 (Wrigley)	695	1-695	2006	19-Dec-2005	7-Apr-2006	109		53	74	85		76
			2005	13-Dec-2004	1-Apr-2005	109		39	49	51		49
Highway No. 1 (Deline Junction)	914	1-914	2009	23-Dec-2008	5-Apr-2009	103		15	32	55		34
			2008	24-Dec-2007	9-Apr-2008	107		27	96	84		35
			2007	20-Dec-2006	9-Apr-2007	110		77	95	77		83
			2006	19-Dec-2005	7-Apr-2006	109		44	50	45		47
			2005	4-Jan-2005	1-Apr-2005	87		21	70	64		63
			1998	23-Jan-1998	13-Mar-1998	49		10	7			8
			1997	14-Jan-1997	17-Mar-1997	62		7	34	17		19
			1996	8-Jan-1996	20-Mar-1996	72						
Highway No. 1 (Norman Wells South)	1022	1-102	1995	29-Dec-1993	30-Mar-1994	91		29	35			32
			1994	29-Dec-1993	30-Mar-1994	91		12	20	23		19
			2009	16-Dec-2008	5-Apr-2009	110		50	66	108		75
			2008	8-Dec-2007	9-Apr-2008	123		45	98	100		81
			2007	21-Dec-2006	9-Apr-2007	109		81	87	113	57	
			2006	29-Dec-2005	7-Apr-2006	99		98	68	77		74
			2005	13-Dec-2004	1-Apr-2005	109		51	70	86		80
Highway No. 1 (Norman Wells North)	1022	1-102	1999	7-Jan-1999	15-Mar-1999	67		33				33
			1998	14-Jan-1998	16-Mar-1998	61		107	139			112
			1997	14-Jan-1997	17-Mar-1997	62		9	10			10
			1996	8-Jan-1996	20-Mar-1996	72						
			1995	19-Jan-1995	26-Mar-1995	66						

Table 5 cont'd Monthly Average Daily Traffic on Northwest Territories Winter Roads (sorted by road)

Highway No. 1 (Norman Wells North)	1031	1-104	2009	16-Dec-2008	5-Apr-2009	110	0	33	37	37	0	0	36
			2008	8-Dec-2007	9-Apr-2008	123		34	62	62			53
			2007	21-Dec-2006	9-Apr-2007	109		59	47	66			57
			2006	29-Dec-2005	7-Apr-2006	99			55	52			53
			1998	14-Jan-1998	16-Mar-1998	61		14	10	10	9		10
			1997	14-Jan-1997	17-Mar-1997	62		66	42				54
			1996	8-Jan-1996	20-Mar-1996	72							
			1995	19-Jan-1995	26-Mar-1995	66							
			1994	29-Dec-1993	31-Mar-1994	92		19	20	24			21
Nahanni Butte	2	nbwr	1997	9-Dec-1996	17-Apr-1997	129		23	40	69	13		36
			1996	1-Dec-1995	25-Mar-1996	115		11	10	19			13
			1995	1-Dec-1994	26-Mar-1995	115		10	17	39			22
			1994	1-Dec-1993	20-Mar-1994	100		20	16				19
			1993	15-Dec-1992	27-Mar-1993	102			13	12			12
Tibbit to Contwoyto	0.3	lupin	2009	1-Feb-2009	25-Mar-2009	52			518	303			411
			2008	28-Jan-2008	7-Apr-2008	70			553	349	49		317
			2007	28-Jan-2007	8-Apr-2007	70		251	482	323	67		281
			2006	5-Feb-2006	26-Mar-2006	49			167	243			201
Tli'Cho	0.1	tl'cho	2009	23-Jan-2009	14-Apr-2009	81			81	142	111		111
			2008	8-Feb-2008	11-Apr-2008	63		100	163	148			137
			2007	3-Feb-2007	12-Apr-2007	68		64	115	188			122
			2006	7-Feb-2006	16-Apr-2006	68		71	77				74
Trout Lake	1	tlwr	2002	14-Jan-2002	18-Mar-2002	63		6	7				7
			2001	18-Dec-2000	15-Mar-2001	87							
			2000	11-Jan-2000	15-Mar-2000	64							
			1999	21-Dec-1998	16-Mar-1999	85		9	7	9			8
			1998	20-Jan-1998	16-Mar-1998	55				5			5
			1997	11-Jan-1997	17-Mar-1997	65			5	9			7
			1996	20-Jan-1996	15-Mar-1996	55	4	6	11	9			8
			1995	22-Dec-1994	22-Mar-1995	90			8				8
			1994	18-Jan-1994	31-Mar-1994	72							
			1993	24-Dec-1992	24-Mar-1993	90		8	10	12			10
Tuktoyaktuk	1	tuk-1	2009	18-Dec-2008	26-Apr-2009	129		131	130	204	178	53	139
			1997	20-Dec-1996	25-Apr-1997	126	30	44	61				23
			1996	19-Dec-1995	19-Apr-1996	122							
			1995	22-Dec-1994	24-Apr-1995	123		74					12
			1994	5-Jan-1994	28-Apr-1994	113							
			1993	18-Dec-1992	30-Apr-1993	133	31.75	83	108	101			54
Wha'ti	72	elwr	1997	20-Jan-1997	25-Mar-1997	64		31	45	64			47
			1996	15-Jan-1996	20-Mar-1996	65							
			1995	13-Jan-1995	29-Mar-1995	75							
			1994	18-Feb-1994	18-Apr-1994	59							
			1993	27-Jan-1993	2-Apr-1993	65			16	14			15
Wood Buffalo National Park		wbnp	2004					29	25				27
			2000				7	15	17				13
			1997					16	20	20	8		16
			1996				22	18	20	24			21
			1995					17	17	15			16
			1994						13	3			8
			1993					16	17	14			16

Note: Blanks may indicate insufficient data to calculate monthly ADT, road closed, or counter not installed.

Table 6 Opening and Close Dates for Winter Roads & Ice Bridges

Table 7 Truck Traffic on the Tibbitt to Contwoyo Winter Road

		Lupin Mine (1)	BHP Diamonds Ekati Mine	Diavik Diamond Mines Inc.	Tahera	Mineral Exploration Traffic	Total
2009	Total Tonnage	0	58,544	91,362	22,884	0	405
	Total Trucks	0	1,663	2,779	904	0	31
2008	Total Tonnage	0	72,233	138,051	43,244	2,300	2,513
	Total Trucks	0	1,840	4,239	1,250	49	77
2007	Total Tonnage	2,059	121,716	133,267	64,505	17,566	4,172
	Total Trucks	55	3,937	4,573	2,355	500	236
2006 (2)	Total Tonnage	1,071	82,447	55,750	34,852	7,821	2,435
	Total Trucks	35	3,152	2,094	1,623	258	148
2005	Total Tonnage	7,709	117,661	94,303	18,089	0	14,771
	Total Trucks	251	3,434	2,848	703	0	614
2004	Total Tonnage	11,097	105,127	53,960	6,852	0	2,108
	Total Trucks	288	2,984	1,572	295	0	117
2003	Total Tonnage	27,832	101,990	67,394	0	0	1,602
	Total Trucks	702	3,003	2,202	0	0	87
2002	Total Tonnage	27,315	132,077	93,009	0	0	3,083
	Total Trucks	698	3,913	3,339	0	0	218
2001	Total Tonnage	26,239	99,297	111,506	0	0	8,545
	Total Trucks	688	2,912	4,127	0	0	363
2000	Total Tonnage	21,672	66,609	25,068	0	0	12,031
	Total Trucks	557	3,402	0	0	0	0
1999 (3)	Total Tonnage	3,356	41,453	0	0	0	12,399
	Total Trucks	85	1,759	0	0	0	0

The number of trucks indicated are "loaded truckloads" and therefore represents one-way traffic.
To determine the total truck traffic these numbers should be multiplied by 2.

(1) Winter road data provided by the Tibbitt to Contwoyo Winter Road Joint Venture.

2009 season	52 days (February 1 - March 25)
2008 season	70 days (January 28 - April 7)
2007 season	70 days (January 28 - April 8)
2006 (2) season	49 days (February 5 - March 26)
2005 season	69 days (January 26 - April 5)
2004 season	63 days (January 28 - March 31)
2003 season	60 days (February 1 - April 2)
2002 season	80 days (January 26 - April 16)
2001 season	71 days (February 1 - April 13)
2000 season	65 days (January 29 - April 3)
1999 season	57 days (February 1 - March 30)

Notes: BHP Diamond Mines Ekati Mine went into production in October of 1998.

Diavik Diamond Mine began construction of the mine site in 2000.

Tahera Diamond Mine suspended operations in February 2008.

(2) Climatically, 2006 was one of the warmest winters on record.

Winter road never reached full load bearing capacity.

(3) For data preceding 1999, please see Appendix B 'Historical Data'.

Table 8 Estimated Vehicle Kilometres Traveled on NWT Highways

Hwy	km	Length (km)	AADT												Vehicle Kilometres Traveled (Millions)											
			2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999				
1	58	Alberta Border to Enterprise	84.2	260	270	280	280	250	250	260	240	230	220	8.6	8.3	8.7	8.7	7.6	7.6	7.8	7.4	7.1	6.7			
1	85	Enterprise to Junction with Hwy #3	103.4	330	410	390	300	270	270	270	250	240	230	12.7	15.4	14.8	11.4	10.3	10.3	10.1	9.5	9.2	8.7			
		1 Arterial	187.6											21.3	23.7	23.5	20.1	18.0	18.0	17.9	16.8	16.3	15.3			
2	10	Enterprise to Junction with Hwy #5	37.5	450	380	420	450	410	410	420	400	400	400	6.1	5.3	5.7	6.1	5.6	5.6	5.8	5.5	5.4	5.5			
2	32	Junction with Hwy #5 to Hay River (West Channel Bridge)	5.2	1850	1790	1420	1460	1390	1390	1420	1340	1340	1340	3.5	3.4	2.7	2.8	2.6	2.6	2.7	2.6	2.6	2.6			
2	42	North of West Channel across bridge	1.0	2660	2940	2130	2660	2600	2530	2590	2440	2420	2400	1.0	1.1	0.8	1.0	0.9	0.9	0.9	0.9	0.9	0.9			
		2 Arterial	43.7											10.6	9.7	9.2	9.9	9.2	9.1	9.5	8.9	8.9	8.9			
3	2	Junction with Hwy #1 to Fort Providence Access	44.1	320	300	270	260	250	240	220	200	190	190	5.1	4.7	4.3	4.2	4.0	4.0	3.9	3.5	3.2	3.0			
3	175	Fort Providence Access to Edzo Access	192.4	310	300	210	210	210	210	190	180	180	180	21.8	20.9	14.9	14.9	14.9	14.9	14.6	13.5	12.9	13.0			
3	240	Edzo Access to Rae Access	8.5	770	780	780	650	650	650	640	590	570	550	2.4	2.4	2.4	2.0	2.0	2.0	2.0	1.8	1.8	1.7			
3	324	Rae Access to Yellowknife Access (Old Airport Road)	88.5	640	640	640	450	450	450	440	410	400	390	20.7	20.7	20.7	14.6	14.6	14.6	14.3	13.1	12.9	12.7			
3	340	Old Airport Road Junction to Junction with Hwy #4	5.3	5600	5600	5680	5570	5570	5570	5460	5060	4980	5010	10.8	10.8	11.0	10.8	10.8	10.8	10.6	9.8	9.6	9.7			
		3 Arterial	338.8											60.8	59.6	53.2	46.4	46.2	45.3	41.8	40.4	40.1				
		Total Arterial	570.1											92.7	93.0	85.9	76.5	73.3	73.3	72.6	67.5	65.5	64.4			
1	322	Junction with Hwy #3 to Junction with Hwy #7	268.8	50	60	60	70	60	60	60	60	50	50	4.9	5.4	6.1	7.2	6.1	6.1	6.3	6.1	5.6	5.0			
*1	468	Junction with Hwy #7 to Fort Simpson Access	14.9	240	240	240	240	240	240	240	240	240	240	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3			
1	477	Fort Simpson Access to Mackenzie River	79.2	50	60	70	60	40	40	40	40	40	40	1.4	1.6	1.9	1.6	1.2	1.2	1.5	1.2	1.2	1.2			
		1 Collector	362.9											7.7	8.3	9.3	10.1	8.6	8.6	9.1	8.6	8.1	7.5			
4	1	Junction with Hwy #3 to Royal Oak Mine	5	900	870	1240	1240	1240	1240	1240	1230	1330	1.6	1.6	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.4				
10	Royal Oak Mine to Prelude Lake East Access	11.8	660	610	720	730	730	730	720	680	2.9	2.7	3.2	3.2	3.2	3.2	3.2	3.2	3.1	2.9						
4	43	Prelude Lake East Access to Tibbett Lake	52.4	130	160	100	100	100	100	100	100	100	100	2.4	3.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9				
		4 Collector	69.2											6.9	7.2	7.3	7.3	7.3	7.3	7.2	7.2					
5	1	Junction with Hwy #2 to Hay River Indian Village Access	2.5	560	560	560	560	560	560	540	520	510	520	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				
5	19	Hay River Reserve Access to Junction with Hwy #6	57.3	260	210	150	70	170	170	160	160	170	170	5.5	4.5	3.7	3.7	3.7	3.4	3.4	3.5	3.6				
5	65	Junction with Hwy #6 to Salt River Village Access Road	187.8	110	90	70	80	30	80	70	70	70	60	7.4	6.4	4.5	5.3	5.5	5.5	5.0	4.8	5.1				
5	232	Salt River Village Access Road to Trout Street	13.5	130	130	130	130	130	130	120	120	120	110	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5				
5	257	Fort Smith Access (Trout St.) to King St. Intersection	4.3	420	420	420	420	420	420	400	390	390	390	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6				
		5 Collector	266											14.7	12.6	9.5	10.8	11.0	11.0	10.1	9.8	10.2	10.4			
6	30	Junction with Hwy #5 to Little Buffalo Village Road	68.3	80	80	80	80	80	80	80	80	80	80	2.1	2.1	1.9	1.9	2.0	2.0	2.0	1.9	2.0				
6	74	Little Buffalo Village Road to Fort Resolution	21.7	110	110	100	120	110	100	100	100	100	100	0.8	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8				
		6 Collector	90											2.9	3.0	2.6	2.9	2.9	2.8	2.7	2.8	2.7				
7	35	BC Border to Fort Liard	37.6	110	110	140	120	120	120	120	120	120	120	1.5	1.5	1.9	1.6	1.6	1.6	1.6	1.6	1.6				
7	253	Fort Liard to Junction with Hwy #1	216.5	50	50	30	30	30	30	30	30	30	30	4.0	4.0	2.7	2.7	2.7	2.6	2.5	2.5	2.7				
		7 Collector	254.1											5.5	5.5	4.6	4.3	4.3	4.3	4.1	4.1	4.3				
8	34	Yukon Border to Fort McPherson Access	85.4	70	70	70	70	50	50	40	40	40	40	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.1	1.1				
8	90	Fort McPherson Access to Mackenzie River Ferry	57.2	120	110	90	100	80	80	80	80	90	90	2.6	2.3	1.9	2.1	1.7	1.7	1.8	1.8					
8	243	Mackenzie River Ferry to Airport Access Road	116.7	80	80	80	80	80	80	70	70	70	90	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.4	3.8				
8	259	Airport Access Road to Tuk Park Access Road	6.1	740	740	740	740	740	740	690	690	630	630	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.4					
8	268	Tuk Park Access Road to Inuvik	3.9	1370	1370	1370	1370	1270	1270	1210	1120	1120	1150	1.9	1.9	1.9	1.9	1.8	1.8	1.7	1.6	1.6				
		8 collector	269.3											11.7	11.4	11.0	10.6	10.0	10.0	9.9	9.0	9.3	9.8			
		Total Collector	1312											49.3	48.0	44.4	46.0	44.1	44.1	43.6	41.6	41.7	41.9			
		Total Vehicle Kilometres Travelled												142.0	141.0	130.3	122.5	117.5	117.4	116.2	109.1	107.2	106.2			

Percent increase from 1998 to 1999 = 0.9% (Arterial increase = 1.8%; Collector increase = -0.4%)

Percent increase from 1999 to 2000 = 1.8% (Arterial increase = 3.1%; Collector increase = -0.2%)

Percent increase from 2000 to 2001 = 6.5% (Arterial increase = 7.6%; Collector increase = 4.8%)

Percent increase from 2001 to 2002 = 1% (Arterial increase = 0.9%; Collector increase = 1.3%)

Percent increase from 1998 to 1999 = 0% (Arterial increase = 0.1%; Collector increase = 0%)

Percent increase from 1999 to 2000 = 10.9% (Arterial increase = 17.2%; Collector increase = 0.5%)

Percent increase from 2000 to 2001 = 8.3% (Arterial increase = 8.2%; Collector increase = 8.3%)

Percent increase from 2006 to 2007 = 0.7% (Arterial increase = -0.3%; Collector increase = 2.7%)

Average annual percent increase from 1998 to 2007 = 3.7% (Arterial increase = 4.9%; Collector increase = 2%)

Figure 4 Estimated Vehicle Kilometres Travelled on Northwest Territories Highways

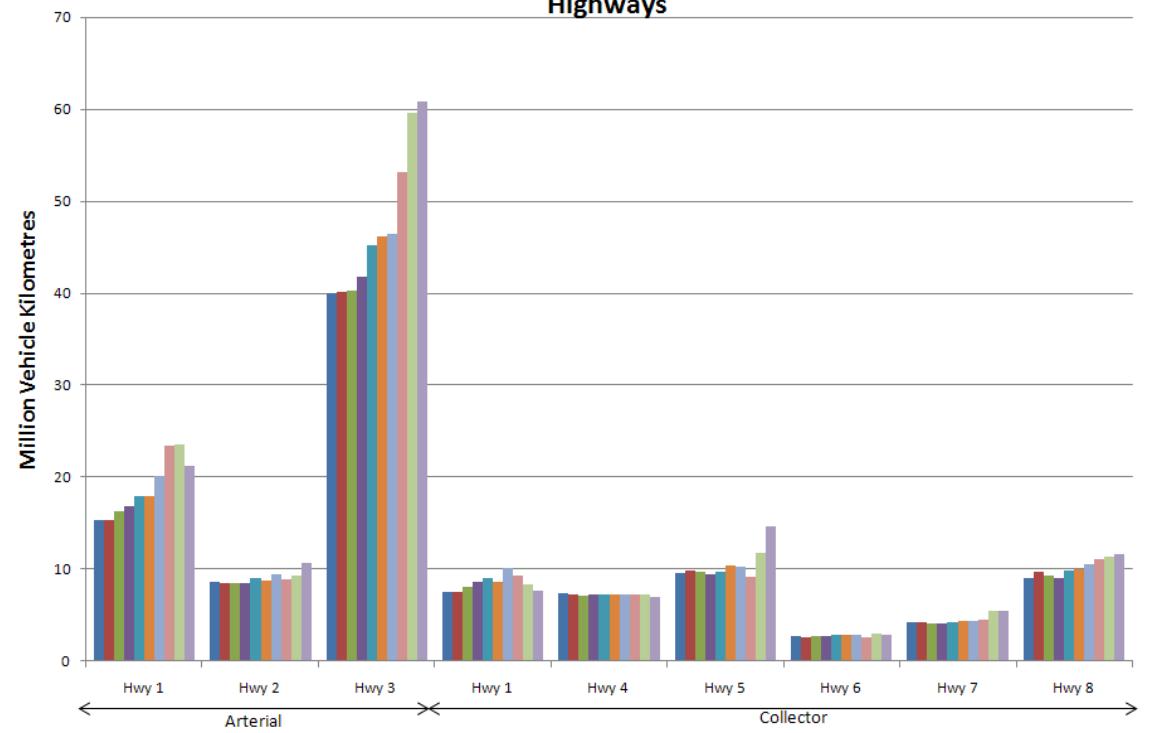
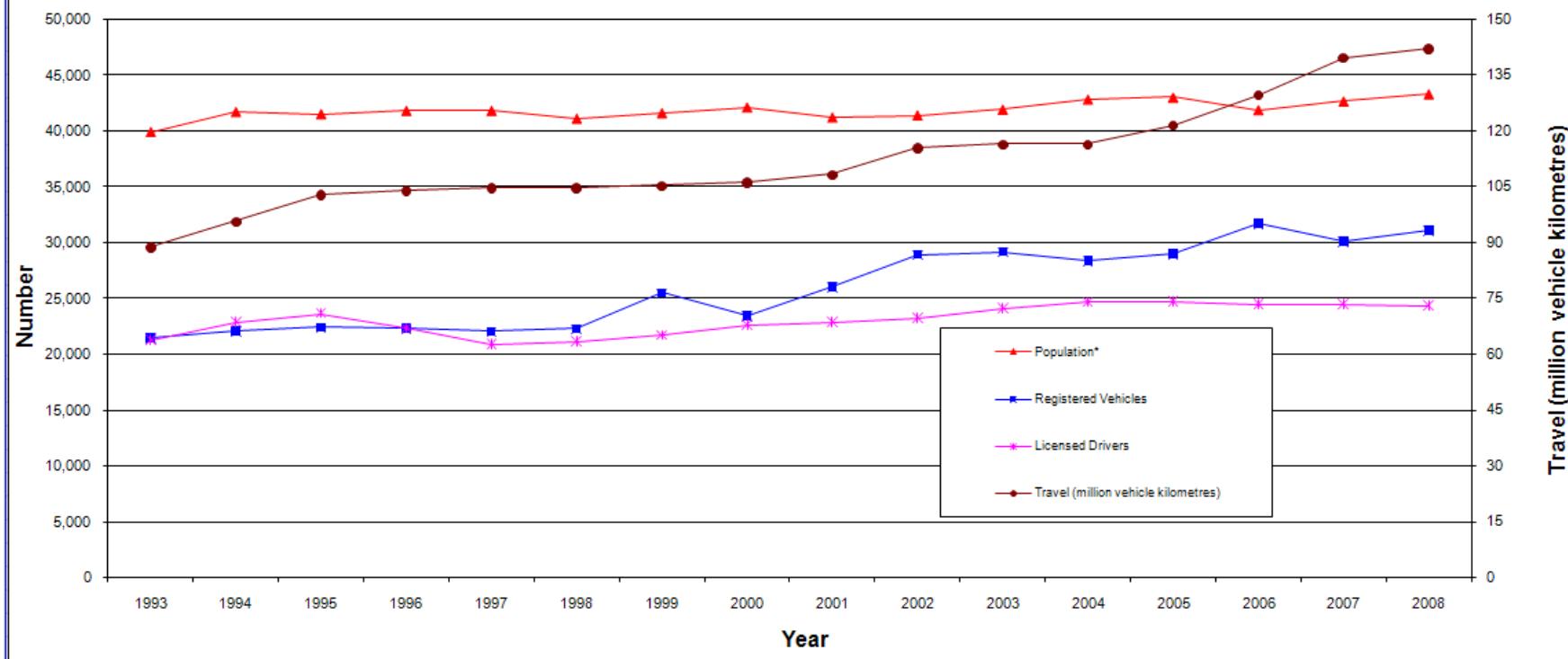


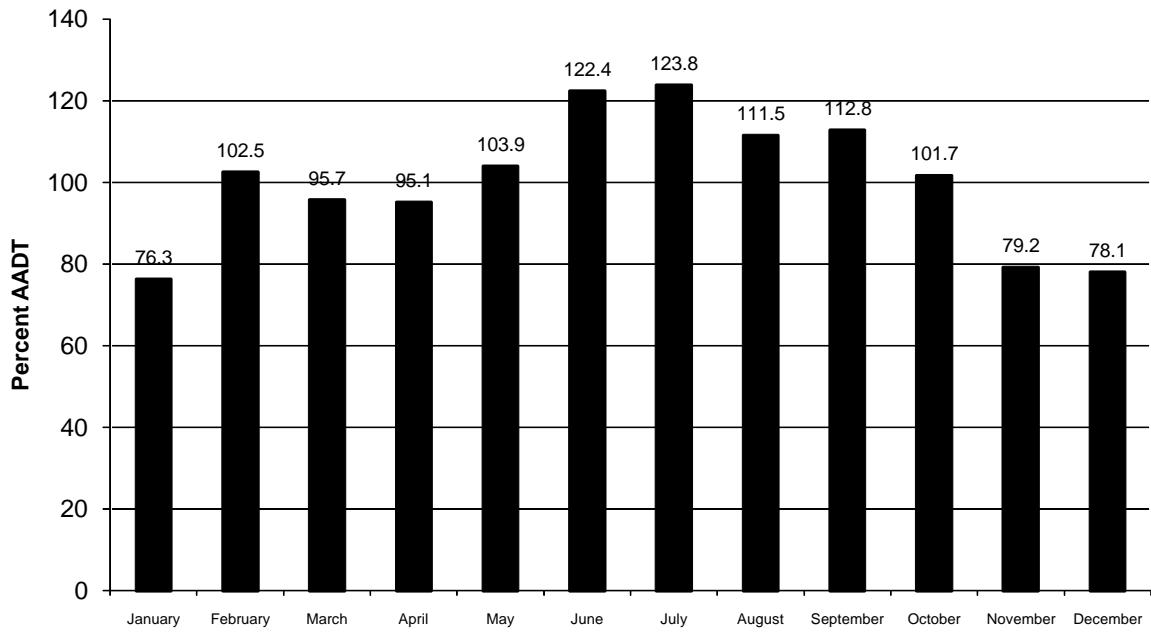
Figure 5 Yearly Trend in Road-Related Indicators



Indicators	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Population*	41,700	41,500	41,800	41,800	41,100	41,600	42,100	41,200	41,400	41,900	42,810	42,982	41,861	42,637	43,282
Registered Vehicles	22,000	22,350	22,278	21,956	22,201	25,426	23,371	25,936	28,856	29,106	28,305	28,934	31,664	30,078	31,042
Licensed Drivers	22,853	23,635	22,297	20,850	21,112	21,669	22,626	22,838	23,223	24,040	24,641	24,703	24,432	24,442	24,323
Travel (million vehicle kilometres)	95.6	102.7	103.8	104.6	104.7	105.2	106.2	108.2	115.3	116.3	116.3	121.4	129.6	139.6	142.0

*Source: Northwest Territories Stats Bureau

Figure 6
Distribution of Monthly Traffic
Typical Near Urban Highway
(Hwy 3, Km 338)



Typical Rural Highway
(Hwy 5, Km 65)

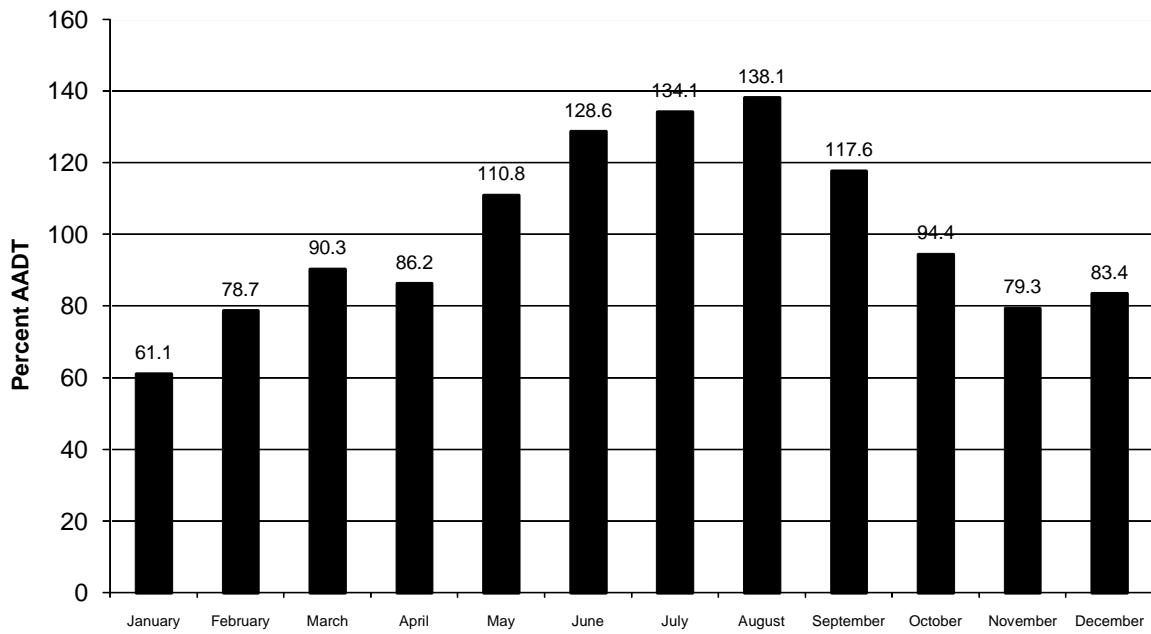
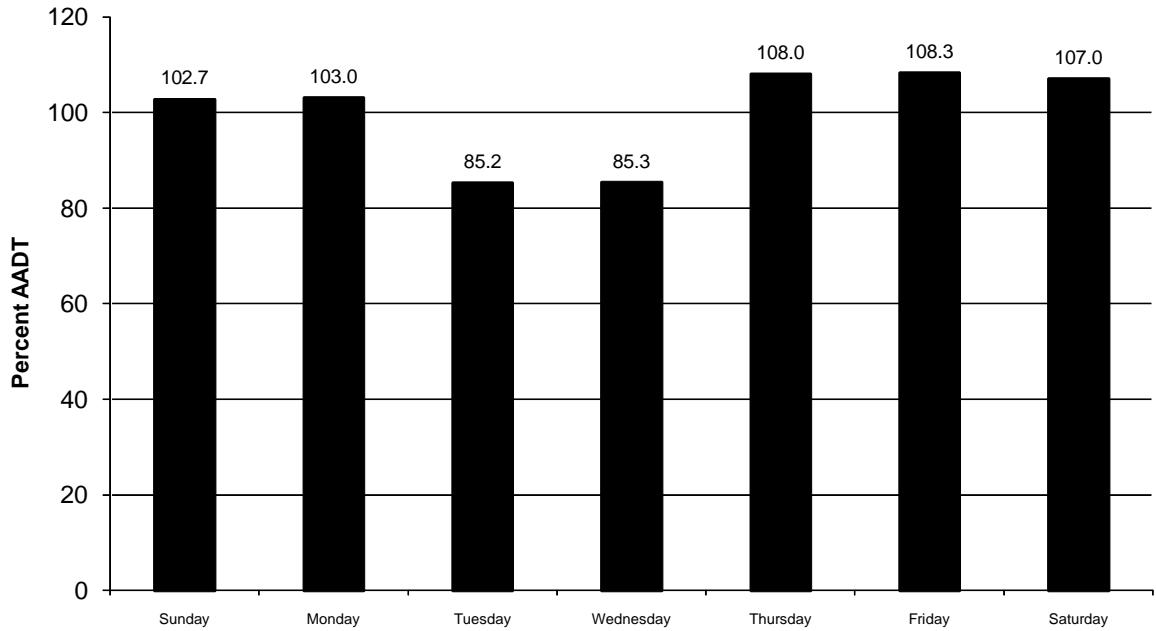


Figure 7
Distribution of Daily Traffic
Typical Near Urban Highway
(Hwy 3, Km 338)



Typical Rural Highway
(Hwy 5, Km 65)

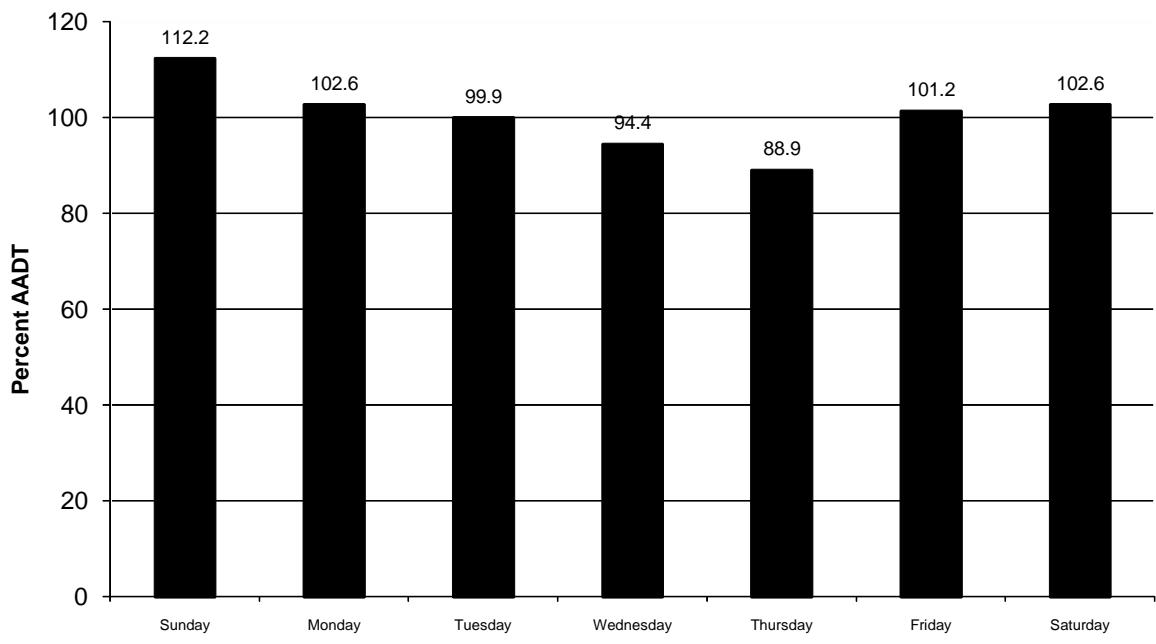
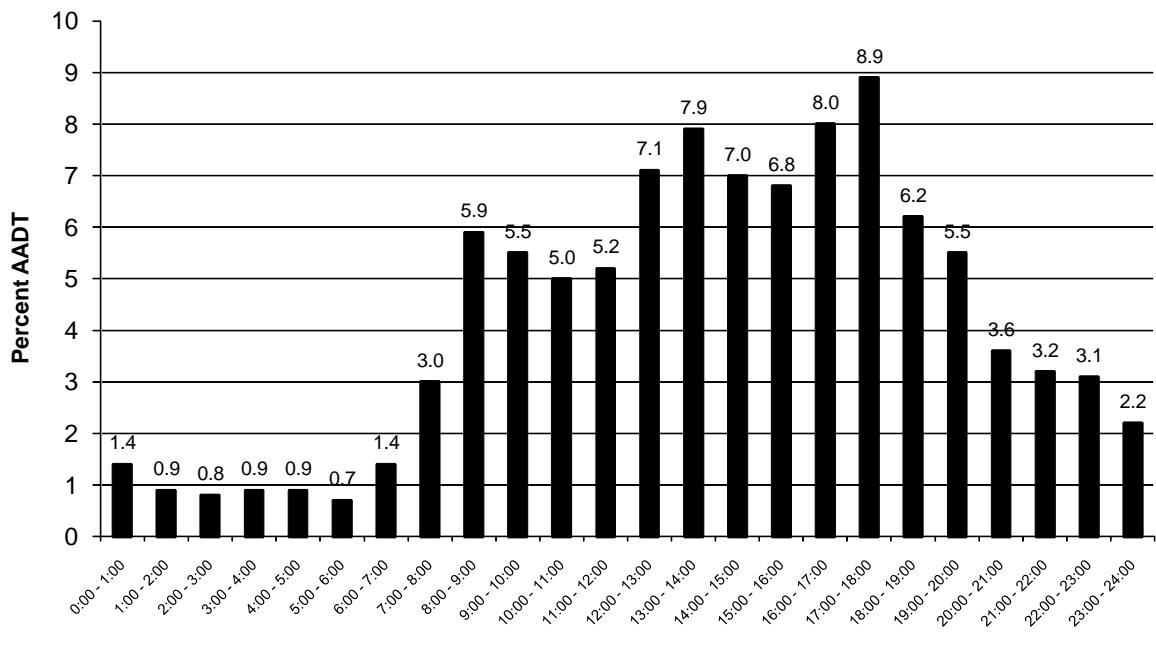


Figure 8
Distribution of Hourly Traffic
Typical Near Urban Highway
(Hwy 3, Km 338)



Typical Rural Highway
(Hwy 5, Km 65)

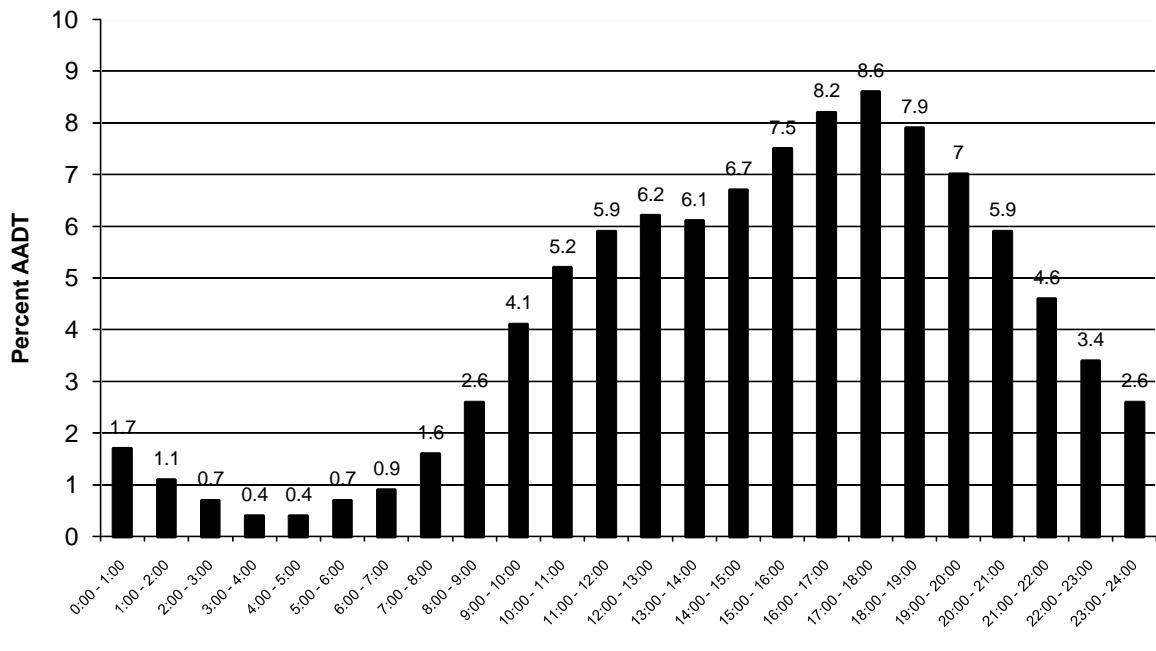


Figure 9
Average Daily Traffic on Highway Ferries

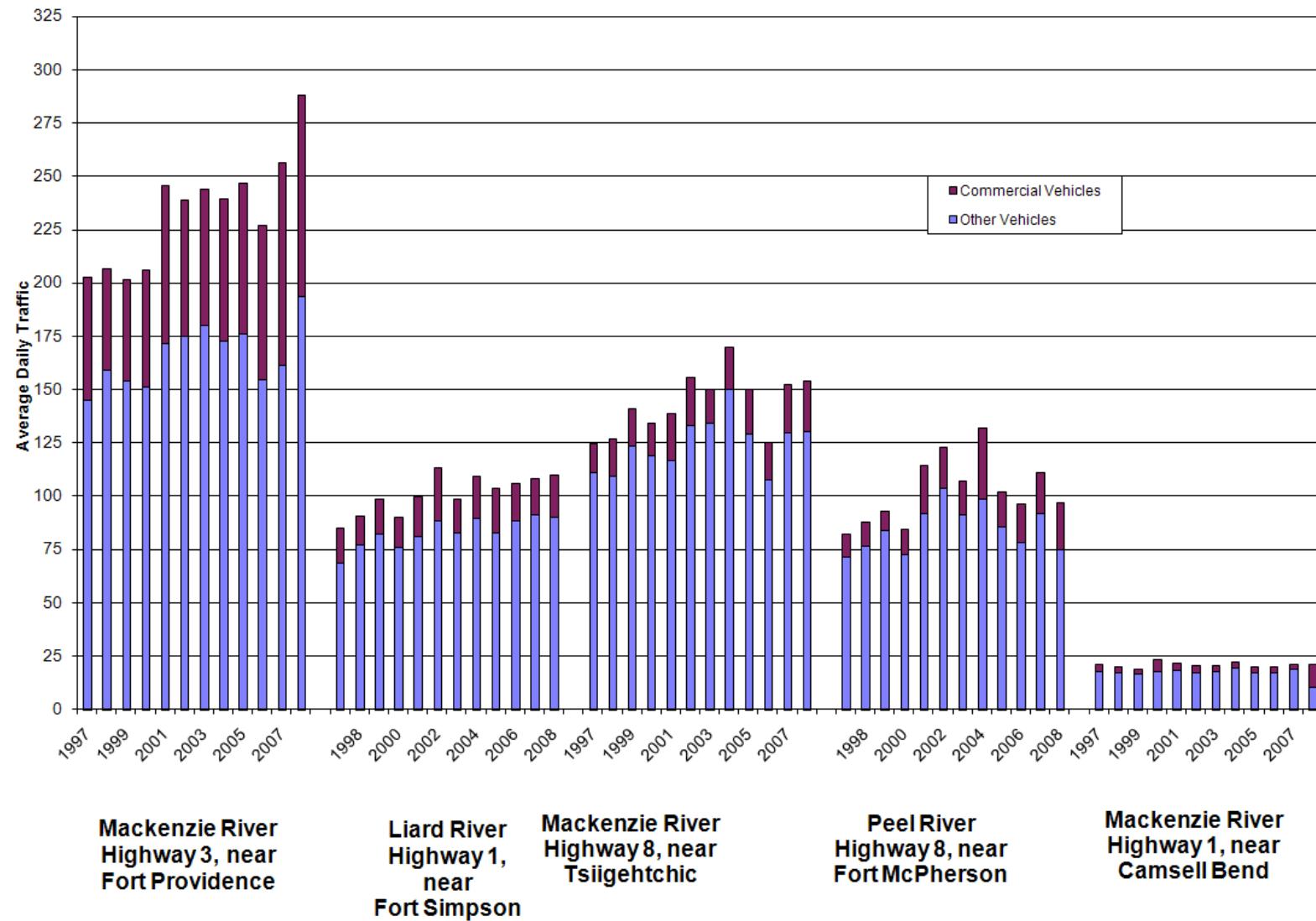


Table 9 Average Daily Traffic on Highway Ferries

Ferry Crossing	Location	Ferry	Vehicle Type	Year											
				2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997
Dory Point	Highway 3, near Fort Providence	M.V. Merv Hardie	Commercial Vehicles	94	95	73	71	67	64	64	74	55	47	48	58
			Light Vehicles	176	142	138	159	154	159	156	154	134	137	142	130
			Trailers Towed	18	19	17	17	18	21	19	18	17	18	17	15
			Total	288	256	227	247	239	244	239	245	206	201	206	203
Liard River	Highway 1, near Fort Simpson	M.V. Lafferty	Commercial Vehicles	20	17	17	21	20	16	24	19	14	16	13	16
			Light Vehicles	83	84	81	76	83	76	82	75	70	76	72	64
			Trailers Towed	7	7	7	6	6	7	7	6	6	6	5	5
			Total	110	108	106	104	109	98	113	100	90	98	91	85
Mackenzie River	Highway 8, near Tsigehtchic	M.V. Louis Cardinal	Commercial Vehicles	24	23	18	21	20	15	23	22	15	18	18	13
			Light Vehicles	122	119	99	119	136	127	120	104	106	108	94	96
			Trailers Towed	8	11	8	10	14	7	13	12	13	15	15	15
			Total	154	152	125	150	170	150	155	139	134	141	127	124
Peel River	Highway 8, near Fort McPherson	C.F. Abraham Francis	Commercial Vehicles	22	19	18	16	34	16	19	22	12	9	11	11
			Light Vehicles	69	82	71	80	91	82	97	82	64	71	65	63
			Trailers Towed	6	10	7	6	8	9	7	10	8	12	12	8
			Total	97	111	96	102	132	107	123	114	84	93	88	82
Mackenzie River	Highway 1, near Camsell Bend	M.V. Johnny Berens	Commercial Vehicles	11	3	3	3	3	3	3	3	6	2	3	3
			Light Vehicles	9	18	16	16	18	17	16	17	17	16	17	17
			Trailers Towed	1	1	1	1	1	1	1	1	1	1	1	0
			Total	21	21	20	20	22	21	20	21	23	19	20	21

Table 10 Vehicle Classification Data at Dory Point Ferry (Highway 3 near Fort Providence, M.V. Merv Hardie)

Operating Season Open	Month Close	Total Traffic	Average		Percent of Total						Number of Passengers		
			Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Over size	Bus	Other			
13-May-08	26-Jan-09	May-08	5,000	263	62.02	6.76	2.16	27.26	0.00	0.72	1.08	31.22	8,630
		Jun-08	11,332	378	64.37	10.14	1.27	22.55	0.07	0.49	1.12	25.49	20,619
		Jul-08	11,966	386	63.17	8.81	1.94	23.87	0.03	0.47	1.72	28.02	21,670
		Aug-08	12,169	393	71.90	7.67	1.61	17.48	0.01	0.38	0.96	20.44	21,923
		Sep-08	9,606	320	62.54	5.39	2.53	28.21	0.00	0.58	0.74	32.06	16,114
		Oct-08	8,808	284	64.26	2.87	2.38	29.06	0.05	0.74	0.64	32.87	15,128
		Nov-08	6,958	232	49.17	2.01	2.46	44.96	0.03	0.65	0.73	48.82	10,592
		Dec-08	5,656	182	53.84	2.93	2.55	39.34	0.04	0.53	0.78	43.23	8,802
		Jan-09	2,747	106	19.91	1.57	5.39	70.55	0.07	0.51	2.00	78.52	3,529
		Total	74,242	288	61.13	6.19	2.15	28.91	0.03	0.54	1.05	32.68	127,007
14-May-07	18-Jan-08	May-07	4,445	247	61.98	9.54	2.18	24.59	0.04	0.63	1.03	28.48	8,363
		Jun-07	8,922	297	62.33	12.72	1.96	20.77	0.04	0.72	1.46	24.95	17,448
		Jul-07	10,313	333	66.86	11.75	1.26	17.68	0.01	0.72	1.73	21.39	19,603
		Aug-07	11,244	363	65.71	8.65	1.40	22.73	0.07	0.39	1.05	25.64	20,715
		Sep-07	8,817	294	56.49	6.11	1.68	34.69	0.02	0.57	0.43	37.39	14,368
		Oct-07	7,656	247	49.78	3.83	1.96	43.08	0.01	0.74	0.60	46.39	11,863
		Nov-07	5,950	198	41.03	2.00	2.96	52.82	0.03	0.72	0.44	56.97	8,892
		Dec-07	4,556	147	29.35	2.19	3.58	63.52	0.04	0.90	0.42	68.46	6,129
		Jan-08	1,940	108	5.21	1.24	6.60	84.90	0.05	1.19	0.82	93.56	2,234
		Total	63,843	256	55.24	7.55	2.07	33.47	0.04	0.66	0.97	37.21	109,615
7-May-06	22-Jan-07	May-06	5,177	207	65.25	8.33	2.07	22.37	0.00	0.71	1.27	26.42	8,845
		Jun-06	9,375	313	66.51	11.32	2.35	17.38	0.09	0.67	1.70	22.18	17,150
		Jul-06	10,265	331	69.03	9.64	1.84	17.88	0.02	0.48	1.11	21.32	18,604
		Aug-06	9,990	322	67.66	9.39	2.37	18.85	0.07	0.64	1.02	22.95	18,507
		Sep-06	7,808	260	67.73	6.66	2.66	21.30	0.03	0.72	0.91	25.61	13,986
		Oct-06	6,260	202	65.69	3.02	2.78	26.90	0.06	0.81	0.73	31.29	10,709
		Nov-06	4,374	146	51.30	2.01	3.73	41.59	0.05	0.94	0.39	46.68	6,728
		Dec-06	2,980	96	18.72	2.32	5.40	71.17	0.07	1.24	1.07	78.96	3,641
		Jan-07	2,792	127	4.58	0.82	7.31	85.35	0.61	0.68	0.64	94.59	3,123
		Total	59,021	227	60.64	7.30	2.82	27.41	0.07	0.71	1.06	32.06	101,293
12-May-05	2-Feb-06	Total	65,647	247	64.59	6.78	2.63	23.71	0.07	0.75	1.47	28.63	120,268
		Total	55,968	239	64.58	7.56	2.68	23.09	0.08	0.79	1.23	27.86	104,377
		Total	57,720	244	65.40	8.45	2.23	21.87	0.10	0.71	1.25	26.16	109,721
		Total	59,728	239	65.17	7.98	2.28	22.68	0.13	0.70	1.06	26.85	111,535
		Total	60,868	245	62.66	7.22	2.22	25.37	0.53	0.78	1.22	30.12	115,370
		Total	51,753	206	65.10	8.20	2.10	22.26	0.03	0.79	1.52	26.70	99,729
		Total	51,753	201	67.83	8.72	2.04	19.18	0.06	0.84	1.33	23.45	102,541
		Total	51,820	206	68.63	8.32	2.27	18.71	0.01	0.81	1.24	23.04	100,691
		Total	52,660	203	64.26	7.22	2.55	23.95	0.07	0.82	1.13	28.52	100,851
		Total	49,409	202	63.73	6.82	3.05	24.22	0.14	0.59	1.45	29.44	96,779
13-May-95	14-Jan-97	Total	50,440	207	65.04	6.56	4.11	22.43	0.33	0.73	0.79	28.40	96,699
		Total	45,905	188	63.52	6.25	3.03	25.17	0.11	0.84	1.08	30.23	90,852

Note: To calculate the monthly average daily traffic; the total monthly volume is divided by the number of days in the month, regardless of whether or not the ferry operated everyday in the month, except for the beginning and ending months where the actual number of days is used.

Table 11 Vehicle Classification Data at Liard River Ferry (Highway 1 near Fort Simpson, M.V. Lafferty)

Operating Season	Month	Total Traffic	Average Daily Traffic	Percent of Total								Total Commercial	Number of Passengers
				Light vehicles	Trailers towed	Truck Single Unit	Truck Semi trailer	Over size	Bus	Other			
16-May-08	3-Nov-08	May-08	1,584	99	83.84	3.60	1.89	7.13	0.06	0.38	3.09	12.56	2,890
		Jun-08	3,186	106	78.12	4.43	2.86	11.74	0.25	0.35	2.26	17.45	6,015
		Jul-08	3,642	117	72.98	7.11	4.39	12.66	0.08	0.16	2.61	19.91	6,815
		Aug-08	3,669	118	72.72	9.24	2.62	12.95	0.41	0.14	1.94	18.04	6,652
		Sep-08	3,456	115	74.68	6.94	3.85	13.22	0.17	0.17	0.95	18.37	6,486
		Oct-08	3,129	101	76.22	4.38	4.86	12.24	0.29	0.06	1.95	19.40	5,589
		Nov-08	78	26	80.77	3.85	0.00	0.00	0.00	0.00	15.38	15.38	154
		Total	18,744	110	75.61	6.27	3.53	12.07	0.22	0.19	2.10	18.12	34,601
9-May-07	7-Nov-07	May-07	2,197	96	85.94	3.19	3.96	4.05	0.09	0.27	2.50	10.88	4,507
		Jun-07	3,936	131	76.91	7.47	4.73	7.32	0.28	0.30	3.00	15.63	6,713
		Jul-07	3,365	109	71.41	10.82	2.79	10.49	0.42	0.53	3.54	17.77	6,720
		Aug-07	3,546	114	79.16	8.21	2.54	7.47	0.06	0.17	2.40	12.63	6,909
		Sep-07	3,353	112	78.50	6.05	2.51	10.68	0.30	0.24	1.73	15.45	6,146
		Oct-07	2,692	87	77.08	4.05	4.64	12.30	0.30	0.07	1.56	18.87	4,850
		Nov-07	526	75	83.08	1.52	3.04	9.51	0.38	0.00	2.47	15.40	777
		Total	19,615	108	77.84	6.83	3.48	8.84	0.25	0.27	2.50	15.33	36,622
17-May-06	2-Nov-06	May-06	1,283	86	84.65	5.30	3.20	2.81	0.39	0.31	3.35	10.05	2,318
		Jun-06	3,106	104	77.56	6.47	5.12	6.54	0.61	0.55	3.16	15.97	6,312
		Jul-06	3,509	113	75.04	7.21	3.19	10.32	1.62	0.37	2.25	17.75	7,613
		Aug-06	3,510	113	75.36	9.03	3.16	8.75	1.34	0.20	2.17	15.61	7,321
		Sep-06	3,455	115	77.16	6.08	3.24	9.99	1.68	0.17	1.68	16.76	6,966
		Oct-06	2,726	88	77.81	3.78	4.55	10.97	0.33	0.33	2.24	18.42	5,825
		Nov-06	252	126	77.78	1.59	8.33	5.56	0.00	0.00	6.75	20.63	468
		Total	17,841	106	77.10	6.48	3.81	8.78	1.09	0.31	2.42	16.42	36,823
11-May-05	5-Nov-05	Total	18,431	104	73.46	6.15	4.42	12.98	0.12	0.32	2.54	20.38	37,563
17-May-04	26-Oct-04	Total	17,664	109	76.14	5.96	3.88	10.15	0.32	0.22	3.34	17.91	36,336
13-May-03	4-Nov-03	Total	17,193	98	77.18	6.67	4.25	8.95	0.22	0.28	2.45	16.16	35,679
22-May-02	6-Nov-02	Total	18,976	113	72.23	6.09	4.83	13.67	0.08	0.40	2.70	21.68	37,830
15-May-01	3-Nov-01	Total	17,146	100	75.66	5.69	5.33	9.44	0.30	0.48	3.11	18.65	34,612
9-May-00	3-Nov-00	Total	16,048	90	77.20	6.77	4.38	7.75	0.24	0.57	3.09	16.03	33,040
10-May-99	3-Nov-99	Total	17,376	98	77.47	5.84	4.33	8.68	0.21	0.93	2.54	16.68	34,907
6-May-98	10-Nov-98	Total	17,022	91	79.39	5.78	4.24	7.44	0.04	0.84	2.27	14.83	34,808
15-May-97	12-Nov-97	Total	15,366	85	74.93	5.92	5.12	10.46	0.12	0.95	2.51	19.16	31,551
8-May-96	26-Oct-96	Total	16,932	99	68.95	5.78	5.58	15.96	0.19	0.69	2.84	25.27	35,472
9-May-95	27-Oct-95	Total	16,646	97	71.61	6.47	5.10	14.45	0.20	0.21	1.96	21.92	34,734
6-May-94	6-Nov-94	Total	17,869	97	68.81	5.94	5.58	17.05	0.22	0.18	2.23	25.26	36,163

Table 12 Vehicle Classification Data at Mackenzie River Ferry (Highway 8 near Tsuigehtchic, M.V. Louis Cardinal)

Operating Season	Month	Total Traffic	Average Daily Traffic	Percent of Total								Total Commercial	Number of Passengers
				Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Over size	Bus	Other			
30-May-08	23-Oct-08	May-08	147	74	91.84	1.36	2.72	2.04	0.00	0.00	2.04	6.80	343
		Jun-08	5,116	171	76.76	6.04	6.82	6.88	0.10	0.00	3.40	17.20	9,344
		Jul-08	5,841	188	80.64	6.61	2.77	6.87	0.14	0.27	2.71	12.75	10,753
		Aug-08	5,210	168	84.11	5.74	2.17	6.89	0.02	0.08	1.00	10.15	10,132
		Sep-08	4,046	135	74.96	2.50	7.19	13.87	0.40	0.00	1.09	22.54	7,060
		Oct-08	2,119	92	79.38	0.85	5.95	11.85	0.47	0.00	1.51	19.77	3,666
		0										0	
		Total	22,479	154	79.49	4.96	4.65	8.57	0.18	0.09	2.06	15.55	41,298
2-Jun-07	22-Oct-07	Jun-07	3,983	137	76.73	8.99	3.74	7.76	0.13	0.00	2.66	14.29	8,040
		Jul-07	5,080	169	75.47	9.21	3.74	8.17	0.14	0.26	3.01	15.31	11,212
		Aug-07	6,202	200	80.43	8.51	2.63	6.24	0.39	0.06	1.74	11.06	13,856
		Sep-07	3,891	126	78.85	3.88	6.25	9.28	0.33	0.05	1.36	17.27	8,544
		Oct-07	2,476	113	76.21	1.17	7.31	14.10	0.24	0.08	0.89	22.62	5,227
		Total	21,632	152	77.82	7.09	4.28	8.42	0.25	0.10	2.04	15.09	46,879
		May-06	23	1	95.65	0.00	0.00	0.00	0.00	0.00	4.35	4.35	39
31-May-06	29-Oct-06	Jun-06	3,667	122	80.31	8.34	2.51	7.04	0.11	0.08	1.61	11.34	7,182
		Jul-06	4,742	153	78.72	8.29	2.45	5.78	0.30	0.32	4.15	12.99	9,604
		Aug-06	4,548	147	80.74	8.49	2.92	6.13	0.15	0.11	1.45	10.77	9,270
		Sep-06	3,305	110	78.88	3.48	3.15	13.01	0.21	0.06	1.21	17.64	6,774
		Oct-06	2,598	90	77.83	0.27	6.47	14.13	0.31	0.00	1.00	21.90	4,872
		Total	18,883	125	79.44	6.39	3.25	8.52	0.21	0.13	2.06	14.17	37,741
		Total	23,256	150	79.02	6.85	4.26	7.64	0.18	0.09	1.97	14.13	46,230
27-May-05	29-Oct-05	Total	23,574	170	80.24	8.17	2.58	7.61	0.22	0.08	1.09	11.58	40,642
4-Jun-04	21-Oct-04	Total	22,311	150	85.05	4.63	2.25	7.17	0.12	0.16	0.62	10.32	48,269
5-Jun-03	1-Nov-03	Total	21,130	155	77.24	8.27	3.86	8.11	0.59	0.13	1.80	14.49	46,844
5-Jun-02	19-Oct-02	Total	19,827	139	75.07	8.92	2.86	11.31	0.42	0.11	1.31	16.01	42,172
5-Jun-01	26-Oct-01	Total	18,795	134	78.72	9.82	2.52	6.88	0.11	0.14	1.81	11.47	39,917
2-Jun-99	15-Oct-99	Total	19,028	141	76.55	10.98	3.33	7.17	0.06	0.22	1.70	12.47	41,066
26-May-98	24-Oct-98	Total	19,149	127	74.14	11.93	3.77	4.80	0.05	0.26	5.06	13.93	43,258
4-Jun-97	18-Oct-97	Total	16,894	124	77.19	12.27	2.48	4.89	0.11	0.67	2.39	10.54	38,471
4-Jun-96	16-Oct-96	Total	23,570	176	79.32	9.47	2.92	5.89	0.48	0.48	1.44	11.21	45,636
24-May-95	24-Oct-95	Total	24,620	161	81.93	8.38	2.09	5.34	0.31	0.48	1.47	9.69	50,398
30-May-94	30-Oct-94	Total	27,052	177	82.89	5.89	3.04	4.61	0.29	0.53	2.75	11.22	55,606

Table 13 Vehicle Classification Data at Peel River Ferry (Highway 8 near Fort McPherson, C.F. Abraham Francis)

Operating Season	Month	Total Traffic	Average		Percent of Total						Total Commercial	Number of Passengers	
			Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Over size	Bus	Other			
25-May-08	27-Oct-08	May-08	564	81	35.99	1.60	1.06	1.77	0.00	0.00	59.57	62.41	244
		Jun-08	2,533	84	66.92	10.54	3.12	11.61	0.87	0.63	6.32	22.54	4,895
		Jul-08	3,934	127	66.40	6.53	1.78	20.79	0.15	0.18	4.17	27.07	8,090
		Aug-08	4,249	137	82.96	5.65	1.67	7.39	0.09	0.24	2.00	11.39	9,723
		Sep-08	2,674	89	73.34	3.40	1.65	19.15	0.56	0.11	1.80	23.26	4,426
		Oct-08	1,051	39	68.03	0.57	1.90	25.69	0.57	0.10	3.14	31.40	1,836
		Total	15,005	97	71.38	5.80	1.93	14.78	0.35	0.25	5.50	22.82	29,214
2-Jun-07	19-Oct-07	Jun-07	2,561	88	66.81	12.42	1.25	12.89	0.04	0.00	6.60	20.77	5,292
		Jul-07	4,018	134	72.20	9.98	2.04	10.53	0.02	0.35	4.88	17.82	8,680
		Aug-07	5,607	181	81.36	7.94	1.61	6.87	0.07	0.16	2.00	10.70	12,143
		Sep-07	2,316	75	72.63	6.74	1.47	17.23	0.09	0.26	1.60	20.64	4,467
		Oct-07	944	50	58.05	2.44	3.92	32.84	0.11	0.11	2.54	39.51	1,712
		Total	15,446	111	73.83	8.69	1.78	11.96	0.06	0.19	3.48	17.47	32,294
2-Jun-06	26-Oct-06	Jun-06	1,942	67	65.45	12.20	2.47	12.56	0.51	0.26	6.54	22.35	3,806
		Jul-06	3,509	117	70.25	10.26	2.62	9.72	0.00	0.51	6.64	19.49	7,780
		Aug-06	4,688	151	84.32	6.44	1.00	5.84	0.04	0.15	2.20	9.24	10,223
		Sep-06	2,516	81	72.30	4.25	2.50	18.04	0.04	0.08	2.78	23.45	5,001
		Oct-06	1,352	52	64.13	0.44	2.59	31.07	0.15	0.00	1.63	35.43	2,222
		Total	14,007	96	74.07	7.22	2.03	12.37	0.11	0.23	3.96	18.70	29,032
25-May-05	24-Oct-05	Total	15,446	102	78.36	5.79	2.04	10.33	0.41	0.14	2.94	15.86	32,264
2-Jun-04	28-Oct-04	Total	19,537	132	68.67	5.94	1.38	8.84	0.26	0.10	14.81	25.39	31,360
4-Jun-03	29-Oct-03	Total	15,715	107	76.46	8.63	1.24	10.38	0.53	0.39	2.37	14.91	32,233
2-Jun-02	25-Oct-02	Total	17,810	123	78.72	5.72	1.73	9.34	1.07	0.52	2.91	15.56	37,322
10-Jun-01	29-Oct-01	Total	16,114	114	71.85	8.56	3.09	14.42	0.25	0.41	1.41	19.59	31,498
6-Jun-00	26-Oct-00	Total	11,959	84	76.25	9.67	1.71	9.01	0.29	0.48	2.59	14.08	27,823
31-May-99	15-Oct-99	Total	12,713	93	76.84	13.39	0.82	5.62	0.49	0.46	2.38	9.77	28,066
25-May-98	21-Oct-98	Total	13,097	88	73.83	13.19	1.39	6.86	0.30	0.42	4.00	12.97	32,775
30-May-97	21-Oct-97	Total	11,836	82	77.19	9.61	1.61	7.39	0.05	0.52	3.62	13.21	27,691
3-Jun-96	19-Oct-96	Total	11,237	81	73.46	13.25	1.79	8.25	0.05	0.47	2.72	13.29	25,891
22-May-95	24-Oct-95	Total	13,247	85	72.42	14.56	1.08	8.75	0.01	0.44	2.74	13.01	31,485
27-May-94	29-Oct-94	Total	14,012	90	74.85	12.42	0.80	9.08	0.01	0.34	2.50	12.73	35,352

Table 14 Vehicle Classification Data at Mackenzie River Ferry (Highway 1, road to Wrigley, near Camsell Bend, M.V. Johnny Berens)

Operating Season	Month	Total Traffic	Average Daily Traffic	Percent of Total								Number of Passengers	
				Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Over size	Bus	Other	Total Commercial		
3-Jun-08	31-Oct-08	Jun-08	515	18	59.03	2.91	27.77	1.55	2.14	0.00	6.60	38.06	984
		Jul-08	658	22	21.88	7.14	58.66	3.34	2.89	0.00	6.08	70.97	1,430
		Aug-08	690	22	86.72	4.67	4.64	1.48	0.00	0.17	2.32	8.61	1,583
		Sep-08	734	24	29.56	5.86	48.77	9.81	3.27	0.00	2.72	64.58	1,346
		Oct-08	532	18	19.36	2.07	65.41	5.83	3.01	0.00	4.32	78.57	1,024
		Total	3,129	21	43.67	4.74	40.49	4.58	2.24	0.04	4.25	51.60	6,367
20-May-07	6-Nov-07	May-07	192	16	91.15	1.56	7.29	0.00	0.00	0.00	0.00	7.29	430
		Jun-07	678	23	76.99	4.42	3.69	8.70	1.33	0.15	4.72	18.58	1,349
		Jul-07	686	22	72.89	8.89	6.41	5.25	0.00	0.73	5.83	18.22	1,365
		Aug-07	765	25	89.93	2.75	4.05	0.26	0.00	0.00	3.01	7.32	1,837
		Sep-07	617	21	88.33	6.16	2.11	0.81	0.00	0.00	2.59	5.51	1,359
		Oct-07	579	19	84.11	2.76	5.35	3.45	0.00	0.00	4.32	13.13	1,179
		Nov-07	77	13	93.51	2.60	3.90	0.00	0.00	0.00	0.00	3.90	192
		Total	3,594	21	83.17	4.76	4.48	3.39	0.25	0.17	3.78	12.08	7,711
27-May-06	2-Nov-06	May-06	56	11	98.21	0.00	1.79	0.00	0.00	0.00	0.00	1.79	134
		Jun-06	581	19	61.79	2.24	25.99	2.93	1.55	0.69	4.82	35.97	1,191
		Jul-06	566	18	81.80	5.30	5.30	3.00	0.00	0.00	4.59	12.90	1,211
		Aug-06	667	22	85.31	5.25	4.50	2.25	0.00	0.60	2.10	9.45	1,536
		Sep-06	651	22	87.71	4.61	2.46	2.46	0.31	0.00	2.46	7.68	1,294
		Oct-06	620	20	79.03	4.84	5.32	6.61	1.61	0.00	2.58	16.13	1,117
		Nov-06	14	7	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29
		Total	3,155	20	79.90	4.37	8.27	3.36	0.67	0.25	3.17	15.72	6,512
20-May-05	4-Nov-05	Total	3,327	20	81.97	4.51	7.03	3.37	0.00	0.39	2.74	13.53	6,858
28-May-04	22-Oct-04	Total	3,242	22	83.44	4.04	6.01	4.60	0.00	0.12	1.79	12.52	6,670
30-May-03	31-Oct-03	Total	3,163	21	82.04	4.20	7.90	3.00	0.00	0.00	2.85	13.75	6,716
31-May-02	1-Nov-02	Total	3,106	20	79.65	5.54	6.89	3.86	0.35	0.13	3.57	14.81	6,402
22-May-01	29-Oct-01	Total	3,404	21	78.50	6.35	6.61	3.14	1.00	0.24	4.17	15.16	6,742
20-May-00	30-Oct-00	Total	3,786	23	72.87	3.30	3.86	3.28	0.34	0.16	16.19	23.82	7,593
21-May-99	15-Oct-99	Total	2,779	19	82.58	4.82	4.75	2.81	0.04	0.14	4.86	12.59	7,270
15-May-98	3-Nov-98	Total	3,384	20	83.89	3.22	4.64	4.40	0.33	0.12	3.40	12.88	8,959
18-May-97	27-Oct-97	Total	3,396	21	82.60	1.77	8.80	2.00	0.15	0.24	4.45	15.64	8,448
22-May-96	25-Oct-96	Total	3,161	20	80.01	4.49	4.87	5.16	0.16	0.13	5.19	15.50	6,926
17-May-95	16-Oct-95	Total	2,990	20	83.34	2.37	6.02	4.25	0.60	0.13	3.28	14.28	6,935

Table 15 Vehicle Classification at the Enterprise Weigh Scale

Unit Type	2008												12 Month Total	% of Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Single Axle	42	38	31	26	46	72	44	34	34	29	32	18	446	2.37
Tandem	75	80	80	55	81	61	72	74	83	75	62	70	868	4.61
4-Axle	7	16	31	6	9	7	11	4	1	1	0	0	94	0.50
5 Axle	326	439	561	218	252	298	305	194	352	384	199	176	3,704	19.68
6 Axle	446	854	950	269	255	341	316	288	375	347	232	207	4,880	25.93
A Train	189	171	142	114	196	160	151	148	147	154	118	105	1,795	9.54
B Train	51	59	13	1	3	2	8	5	0	1	0	15	158	0.84
C Train	0	0	0	0	1	0	0	0	0	0	0	0	1	0.01
Super B	1,033	1,068	739	250	259	604	562	334	399	426	657	506	6,837	36.33
Logging Truck	18	14	4	0	0	0	0	0	0	0	0	1	37	0.20
Total	2187	2739	2551	939	1102	1545	1469	1081	1391	1417	1301	1098	18,820	100.00

Source: Enterprise Weigh Scale Database.

Unit Type	2007												12 Month Total	% of Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Single Axle	41	29	24	14	31	69	28	26	46	43	30	23	404	1.88
Tandem	473	566	624	249	282	322	260	264	572	326	313	218	4,469	20.82
4-Axle	2	11	16	8	5	10	5	3	0	3	3	3	69	0.32
5 Axle	3	15	37	12	1	7	6	0	0	1	0	1	83	0.39
6 Axle	484	722	1,027	280	190	251	279	242	269	243	195	185	4,367	20.35
A Train	161	151	185	143	192	215	174	153	186	208	204	148	2,120	9.88
B Train	88	237	171	2	3	7	1	1	3	2	1	3	519	2.42
C Train	5	46	15	0	0	0	0	0	0	0	0	0	66	0.31
Super B	1,135	2,128	1,893	158	184	248	253	380	676	752	802	728	9,337	43.51
Logging Truck	13	11	0	0	0	0	0	0	0	0	0	2	26	0.12
Total	2405	3916	3992	866	888	1129	1006	1069	1752	1578	1548	1311	21,460	100.00

Source: Enterprise Weigh Scale Database.

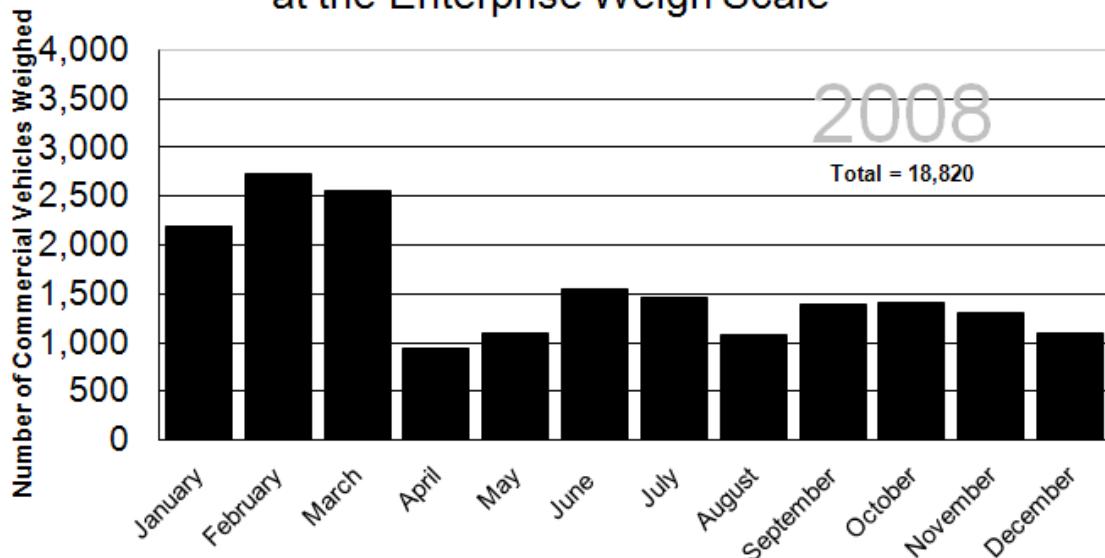
Unit Type	2006												12 Month Total	% of Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Single Axle	15	22	33	15	6	23	11	5	15	13	13	18	189	1.06
Tandem	82	79	67	33	47	90	32	55	116	70	67	54	792	4.45
4-Axle	0	5	11	20	0	1	0	0	3	2	0	0	44	0.25
5 Axle	387	561	812	206	209	245	165	188	351	312	231	210	3,877	21.71
6 Axle	428	703	994	197	147	238	163	202	221	223	187	163	3,886	21.71
A Train	119	158	204	119	181	224	143	165	192	195	154	134	1,988	11.16
B Train	42	156	149	4	2	1	3	3	4	4	4	37	409	2.30
C Train	0	22	14	3	0	2	0	0	0	0	0	0	41	0.23
Super B	776	1,478	1,657	208	104	225	184	274	384	390	485	402	6,567	36.88
Logging Truck	25	6	1	0	0	0	0	0	0	0	0	2	34	0.19
Total	1874	3190	3942	805	696	1049	701	892	1286	1209	1143	1020	17,807	100.00

Unit Type	2005												12 Month Total	% of Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Single Axle	40	49	33	19	17	23	54	23	7	12	26	6	309	1.63
Tandem	40	75	43	28	43	35	50	44	64	55	63	50	590	3.12
4-Axle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5 Axle	286	668	848	302	194	232	438	339	293	250	300	281	4,431	23.42
6 Axle	375	716	1,026	261	138	257	364	240	301	312	266	170	4,426	23.40
A Train	97	118	134	125	112	171	179	136	169	136	152	131	1,660	8.78
B Train	30	131	110	8	5	9	48	20	5	4	2	25	397	2.10
C Train	2	33	33	0	0	1	1	2	1	0	0	0	73	0.39
Super B	924	1,573	1,959	164	158	259	253	196	240	255	554	448	6,983	36.92
Logging Truck	22	15	1	0	0	0	0	0	0	0	0	9	47	0.25
Total	1816	3378	4187	907	667	987	1387	1000	1080	1024	1363	1120	18,916	100.00

Unit Type	2004												12 Month Total	% of Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Single Axle	19	21	26	11	5	19	12	7	56	14	7	13	210	1.25
Tandem	64	65	90	31	33	66	50	64	82	47	39	73	704	4.21
4-Axle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5 Axle	304	469	725	217	217	340	207	266	343	321	227	210	3,846	22.98
6 Axle	280	480	688	126	101	258	182	315	287	193	157	155	3,222	19.25
A Train	127	155	170	95	108	229	155	117	183	174	113	109	1,735	10.37
B Train	47	112	131	6	4	10	9	3	8	16	7	6	359	2.15
C Train	6	29	40	0	0	2	0	0	0	0	0	0	77	0.46
Super B	688	1,517	1,985	110	114	301	229	274	399	337	320	272	6,546	39.11
Logging Truck	16	18	3	0	0	0	0	0	0	0	0	0	37	0.22
Total	1551	2866	3858	596	582	1225	844	1046	1358	1102	870	838	16,736	100.00

Unit Type	2003												12 Month Total	% of Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Single Axle	13	12	24	8	4	3	16	7	12	11	3	6	119	0.75
Tandem	38	47	74	17	18	24	80	70	35	36	23	29	491	3.09
4-Axle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5 Axle	218	497	687	234	207	180	425	198	260	361	207	177	3,651	22.96
6 Axle	183	541	670	152	185	141	214	163	281	262	190	118	3,100	19.49
A Train	100	109	129	98	155	133	159	129	138	163	136	143	1,592	10.01
B Train	17	134	173	7	57	12	22	14	5	26	4	12		

Figure 10
Commercial Vehicles Weighed
at the Enterprise Weigh Scale



Total Vehicles Weighed

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2008	2,187	2,739	2,551	939	1,102	1,545	1,469	1,081	1,391	1,417	1,301	1,098	18,820
2007	2,405	3,916	3,992	866	888	1,129	1,006	1,069	1,752	1,578	1,548	1,311	21,460
2006	1,874	3,190	3,942	805	696	1,049	701	892	1,286	1,209	1,143	1,020	17,807
2005	1,816	3,378	4,187	907	667	987	1,387	1,000	1,080	1,024	1,363	1,120	18,916
2004	1,551	2,866	3,858	596	582	1,225	844	1,046	1,358	1,102	870	838	16,736
2003	1,229	2,788	3,883	675	739	693	1,169	729	953	1,143	976	925	15,902
2002	1,443	2,906	3,349	888	333	1,111	977	845	1,042	1,123	1,127	801	15,945
2001	1,881	2,230	3,410	1,257	566	874	730	767	842	839	938	240	14,574
2000	1,051	1,862	2,266	522	501	830	720	703	681	798	795	762	11,491
1999	991	1,493	1,697	436	523	909	834	633	758	953	515	753	10,495
1998	1,107	2,258	2,711	684	1,059	1,139	1,765	1,951	1,279	929	679	662	16,223
1997	1,240	2,365	2,431	762	764	1,061	1,060	855	982	1,974	825	828	15,147
1996	1,627	2,585	1,722	767	855	1,255	1,116	1,049	1,149	1,081	1,136	1,003	15,345

Note:

(1) A commercial vehicle is any vehicle with a GVW over 4500 kg.

(2) In December 2001, it is estimated that only one-third of the data was collected due to weigh scale closures.

Figure 11 Commercial Vehicle Activity at the Enterprise Weigh Scale

Overweight Permits Issued

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2008	61	141	201	54	16	46	121	85	89	99	75	40	1,028
2007	29	67	104	42	4	16	45	31	32	38	41	13	462
2006	46	44	101	28	0	1	27	27	45	38	38	20	415
2005	45	66	138	32	7	30	37	29	49	64	47	15	559
2004	56	16	93	22	0	16	31	34	30	39	39	13	389
2003	33	50	165	18	4	25	40	35	52	47	32	22	523
2002	29	46	162	36	1	11	23	26	19	26	22	28	429
2001	28	44	71	11	0	6	16	48	14	17	27	38	320
2000	68	103	84	11	0	17	29	38	16	26	10	41	443
1999	67	39	81	7	0	22	28	25	15	45	37	32	398
1998	40	89	145	12	2	26	42	22	25	26	32	20	481
1997	39	69	86	21	6	7	14	28	37	55	17	33	412
1996	10	18	32	20	1	11	28	36	34	18	18	19	245

Overdimension Permits Issued

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2008	195	501	722	276	181	223	320	190	173	226	164	122	3,293
2007	179	408	566	187	144	145	181	125	144	145	95	76	2,395
2006	237	270	731	191	103	195	184	126	206	124	109	78	2,554
2005	229	355	737	201	89	241	204	113	242	232	164	92	2,899
2004	183	178	460	94	56	175	204	188	148	121	112	104	2,023
2003	95	260	493	73	75	128	149	96	218	145	103	104	1,939
2002	200	436	442	129	45	91	113	141	139	143	91	87	2,057
2001	178	371	537	149	59	91	70	244	110	115	107	134	2,165
2000	303	485	465	83	32	113	153	137	129	105	77	131	2,213
1999	210	269	325	74	68	126	100	95	100	172	120	131	1,790
1998	174	297	439	87	103	121	141	120	110	125	88	106	1,911
1997	287	371	341	140	100	128	120	136	164	151	74	97	2,109
1996	84	164	227	115	116	208	152	139	223	135	102	168	1,833

Vehicle Registration Permits Issued (non-NWT Carriers)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2008	682	1056	754	354	415	482	500	355	511	377	334	369	6,189
2007	776	871	735	321	327	435	506	406	417	349	308	333	5,784
2006	473	1007	761	295	293	320	372	350	437	258	266	345	5,177
2005	472	833	958	264	213	434	376	309	415	282	230	277	5,063
2004	284	653	499	163	179	231	286	358	285	212	147	202	3,499
2003	180	675	590	171	180	329	298	184	316	217	151	165	3,456
2002	467	643	463	203	88	277	296	257	271	204	178	149	3,496
2001	350	546	523	131	150	286	285	260	254	227	122	274	3,408
2000	316	474	427	85	115	220	232	226	205	257	140	259	2,956
1999	286	392	463	94	208	251	321	219	223	207	123	262	3,049
1998	322	380	285	215	112	281	219	229	195	148	137	176	2,699
1997	269	255	277	166	191	182	275	187	237	194	150	245	2,628
1996	175	228	250	149	223	240	300	241	165	130	89	88	2,278

Fuel Tax Permits Issued

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2008	700	1104	1010	384	430	588	501	327	392	280	187	152	6,055
2007	620	785	880	253	283	458	505	402	379	318	262	299	5,444
2006	484	979	1232	263	177	301	318	300	352	243	189	236	5,074
2005	388	779	1407	276	166	402	416	350	421	293	195	167	5,260
2004	235	468	576	133	132	344	282	299	273	240	133	98	3,213
2003	68	504	675	133	134	324	281	186	347	205	122	153	3,132
2002	338	526	715	177	52	321	256	242	192	187	121	90	3,217
2001	363	523	773	103	105	317	336	303	282	260	151	284	3,800
2000	366	530	440	80	89	210	266	195	243	302	139	255	3,115
1999	224	355	612	98	200	272	363	240	237	230	135	285	3,251
1998	324	404	370	144	160	284	272	201	161	163	127	161	2,771
1997	169	310	339	134	153	202	276	191	259	170	131	183	2,517
1996	65	188	240	77	157	200	278	212	160	105	78	74	1,834

- Note:
- (1) A commercial vehicle is any vehicle with a GVW over 4500 kg
 - (2) Overweight and Overdimension permits are issued for a single trip
 - (3) All commercial vehicles in the Northwest Territories must register at the scale. Registration for NWT carriers is valid for one year. Non-NWT carriers may purchase registration for periods of 1-12 months
 - (4) Fuel Tax Permits are issued to all carriers transporting bulk fuel purchased outside the Northwest Territories
 - (5) Some 2001 data was unavailable
 - (6) Prior to 2003, combination overweight and overdimension permits were counted as one overdimension permit only. Currently, they are counted as one overdimension permit and one overweight permit.

Figure 12 Commercial Vehicle Activity at the Inuvik Weigh Scale

Overweight Permits Issued

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2008	4	10	12	11	10	6	4	6	31	0	0	0	94
2007	19	16	8	5	0	0	5	8	4	8	2	3	78
2006	4	3	7	6	2	1	16	8	0	7	0	0	54
2005	1	10	27	7	2	8	6	3	7	4	0	1	76
2004	0	11	16	21	0	9	8	8	8	6	2	1	90
2003	13	12	28	11	0	6	5	5	15	13	5	2	115
2002	10	9	15	5	6	3	6	7	4	12	0	4	81
2001	13	4	2	3	2	0	13	3	11	11	2	0	64

Overdimension Permits Issued

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2008	8	35	47	21	16	9	10	7	39	4	0	0	196
2007	51	32	24	87	1	6	12	9	10	9	2	4	247
2006	10	6	15	12	2	11	23	11	2	9	0	0	101
2005	19	97	102	59	2	19	22	5	16	11	0	4	356
2004	30	41	70	118	0	16	23	21	29	11	5	2	366
2003	53	64	130	68	3	29	22	15	49	32	5	2	472
2002	103	41	61	90	6	14	29	15	24	43	5	8	439
2001	57	48	17	54	9	12	32	8	39	33	3	26	338

Vehicle Registration Permits Issued (non-NWT Carriers)

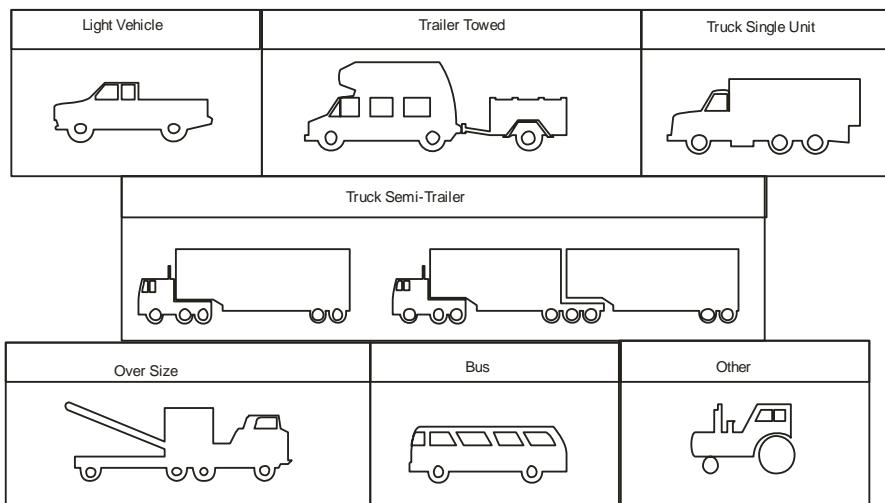
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2008	43	48	120	52	6	42	21	41	54	12	2	25	466
2007	60	52	46	55	3	45	32	55	52	37	0	28	465
2006	14	17	31	29	4	29	21	24	16	20	0	15	220
2005	31	43	45	63	1	36	24	32	33	17	1	13	339
2004	16	17	74	50	10	20	38	32	59	26	3	2	347
2003	76	50	47	35	2	28	69	29	45	27	0	6	414
2002	127	72	49	56	5	24	28	21	18	0	0	11	411
2001	32	42	39	42	6	40	57	39	61	0	0	36	394

Fuel Tax Permits Issued

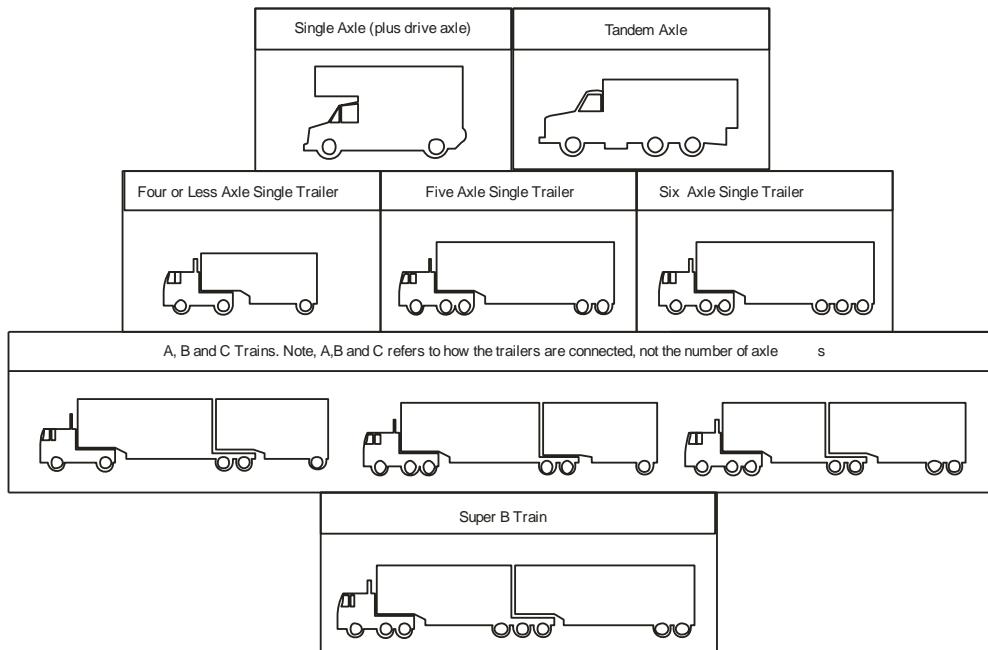
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2008	45	49	151	62	5	36	15	47	48	6	1	13	478
2007	63	39	55	42	4	41	32	40	40	24	0	17	397
2006	16	23	48	18	3	25	17	20	20	22	0	10	222
2005	27	44	44	51	0	12	15	19	26	18	0	4	260
2004	7	11	45	45	6	11	23	18	49	11	0	11	237
2003	36	62	53	37	2	17	60	23	37	13	0	2	342

Figure 13
Vehicle Classifications

Highway Ferries



Weigh Scale Classification



Note: For more information regarding commercial vehicle definitions and allowable weights, please see the *Large Vehicle Control Regulations* under the *Motor Vehicles Act* available at www.justice.gov.nt.ca

Section 1.0

Summary of Traffic Data Collection Activities and Analysis

Section 2.0

Highway Traffic Volume Data

Section 3.0

Vehicle Movements at Ferries and Weigh Scales

Appendix A

Historical Data

The Department has been actively collecting data since its formation in 1989. This Traffic Report shows the current state of the system only, however the following historical data is available:

- **Short-term Visual Counts** – Vehicles are classified and counted manually at various highway junctions throughout the territory. The data is used to enhance vehicle classification and AADT calculations.
- **Short-term Intersection Volume Counts** – Vehicles are counted by direction and turning movement, which gives an indication of overall traffic flow at selected intersections on the highway system.
- **Historical AADT** – Average daily traffic, broken down by month and year, is also available from 1989 through to 1992. AADT from 1993 through to the present is located in Table 3.

The Department will provide the above data upon request. Please refer to the acknowledgements section in the front of this report for contact information.

Appendix B

Data Processing Methodology

Data Processing Methodology

The primary goal in traffic data collection is to determine Average Annual Daily Traffic (AADT). The most concise way of doing this is to collect traffic data at a site for a year, sum the traffic counts over the year and then divide by 365 days. However, for a number of reasons including routine maintenance, breakdowns and faulty data modules, no counter runs at 100% operational capacity for an entire year. Therefore, adjustments must be made for gaps in the data.

Three steps are involved in the processing of traffic data. Step one is to fill in as much missing data as possible for the year in question. Step two involves applying an AADT formula to the data and step three consists of independently verifying the calculated AADT through other sources and previous experience. The following steps outline this process in more detail:

Step One

- If less than one week of data is missing, an average of the hourly count in the week prior and the week following is calculated and applied to the missing data.
- If over one week of data is missing but less than a month, the first step is to obtain the data from the previous year. If the data cannot be found, an average of the first prior week and the first following week is calculated and applied to the missing data.
- If over one month of data is missing, data from previous years is applied through a growth rate algorithm. The results are analysed for accuracy and completeness through comparisons with other traffic counter sites, data from other sources and previous experience.
- Growth rate is determined at each site by comparing available monthly average daily traffic from year to year and averaging over the last four years.

Step Two

- AADT is determined using an industry standard American Association of State Highway and Transportation Officials (AASHTO) formula (see below). After step one is applied there is a strong possibility that there will still be incomplete data for the year. The AASHTO formula directly accounts for missing data by computing an average of averages.

$$AADT = \frac{1}{7} \sum_{i=1}^7 \left[\frac{1}{12} \sum_{j=1}^{12} \left(\frac{1}{n} \sum_{k=1}^n VOL_{ijk} \right) \right]$$

Where: Vol = daily traffic for day k, of day-of-week i, and month j
i = day of the week
j = month of the year
k = 1 when the day is the first occurrence of that day of the week in a month, 4 when it is the fourth occurrence.
n = the number of days of that day of week during that month (usually between 1 and 5, depending on the number of missing data).

Step Three

- Calculated AADT numbers are compared against previous years' values, other sources of traffic information such as ferry logs and Lupin Winter Road logs, upstream and downstream counter sites and previous experience.
- If results of the AADT algorithms are deemed inaccurate at a particular site, the AADT for the year will be estimated by applying an appropriate growth rate to the previous year's AADT.

Note: For counters located on access roads and winter roads no extra information is introduced. Only the data collected in the current year is presented.

For more detailed information, please contact the Planning, Policy and Environment Division of the Department of Transportation as listed in the Acknowledgements section of this report.