

Northwest Territories
Highway Traffic, 2009

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Department of Transportation
Government of the Northwest Territories
August 2010

Acknowledgements

This report was prepared by the Planning, Policy and Environment Division of the Department of Transportation, Government of the Northwest Territories, in co-operation with the Highways and Marine Division and the Road Licensing and Safety Division.

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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 2
1.2 Traffic Data Collection System	Page 2
1.3 Traffic Data Processing	Page 6
1.4 Glossary of Terms	Page 6
1.5 Layout of the Report	Page 7
2.0 Highway Traffic Volume Data	Page 8
3.0 Vehicle Movements at Ferries and Weigh Scales	Page 24
4.0 Short Term Traffic Count Data at Selected Locations	Page 39
Appendix A Historical Data	
Appendix B Data Processing Methodology	

List of Figures

Figure 1	Northwest Territories Permanent and Seasonal Counter Locations (2009)	Page 3
Figure 2	2009 AADT at Permanent Counters	Page 9
Figure 3	2009 AADT on Highway Segments	Page 10
Figure 4	Vehicle Kilometres Travelled on Northwest Territories Highways	Page 19
Figure 5	Yearly Trend in Road Related Indicators	Page 20
Figure 6	Distribution of Monthly Traffic	Page 21
Figure 7	Distribution of Daily Traffic	Page 22
Figure 8	Distribution of Hourly Traffic	Page 23
Figure 9	Average Daily Traffic on Highway Ferries	Page 25
Figure 10	Commercial Vehicles Weighed at the Enterprise Weigh Scale	Page 33
Figure 11	Overweight Permits Issued	Page 34
Figure 12	Over-dimension Permits Issued	Page 35
Figure 13	Registration Permits Issued (non-NWT Carriers)	Page 36
Figure 14	Fuel Tax Permits Issued	Page 37
Figure 15	Vehicle Classifications	Page 38
Figure 16	Short Term Traffic Counts – Highway #3 and #4	Page 40
Figure 17	Short Term Traffic Counts – Highway #3 and Old Airport Road	Page 41
Figure 18	Short Term Traffic Counts – Yellowknife Access Road and 49 th Avenue	Page 42

List of Tables

Table 1	Highway System Classification (2009)	Page 4
Table 2	Permanent and Seasonal Counter Locations	Page 5
Table 3	Estimated Traffic on Northwest Territories Highways	Page 11
Table 4	Traffic on Northwest Territories Access Roads (sorted by counter)	Page 12
Table 5	Monthly Average Daily Traffic on Northwest Territories Winter Roads (sorted by counter)	Page 14
Table 6	Opening and Closing Dates for Winter Roads & Ice Bridges	Page 16
Table 7	Truck Traffic on Selected Winter Mining Roads	Page 17
Table 8	Estimated Vehicle Kilometres Travelled on Northwest Territories Highways	Page 18
Table 9	Average Daily Traffic on Highway Ferries	Page 26
Table 10	Vehicle Classification Data at Dory Point Ferry (M.V. Merv Hardie)	Page 27
Table 11	Vehicle Classification Data at Liard River Ferry (M.V. Lafferty)	Page 28
Table 12	Vehicle Classification Data at Mackenzie River Ferry (M.V. Louis Cardinal)	Page 29
Table 13	Vehicle Classification Data at Peel River Ferry (C.F. Abraham Francis)	Page 30
Table 14	Vehicle Classification Data at Mackenzie River Ferry (M.V. Johnny Berens)	Page 31
Table 15	Vehicle Classification at the Enterprise Weigh Scale	Page 32

Section 1.0

Summary of Traffic Data Collection Activities and Analysis

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 made available to businesses and the general public as needed.

This report presents traffic data collected by the Department of Transportation on the territorial highway network from 1993 to 2009. 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 data 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. Three intersection counts were undertaken in 2009. The results are presented on Pages 38 to 40.

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 2009, 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.

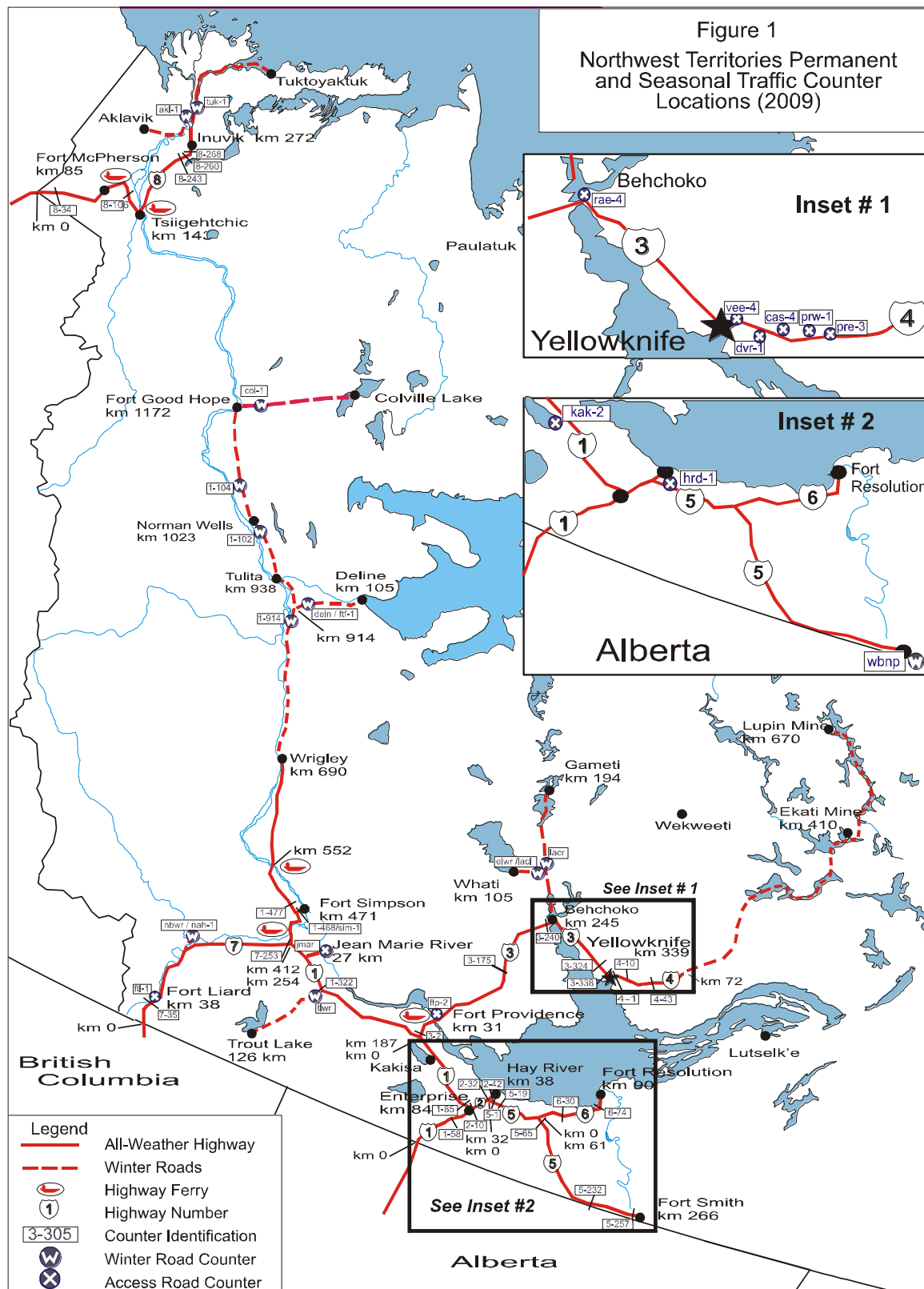


Table 1 Highway System Classification (2009)

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)	35.2	34.0	-	-	-	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	870.5	551.7	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	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 Boundry 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
col-1	Colville Lake	1	1 km east of junction with Highway 1 at Fort Good Hope
deln / ftf-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

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 have 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.

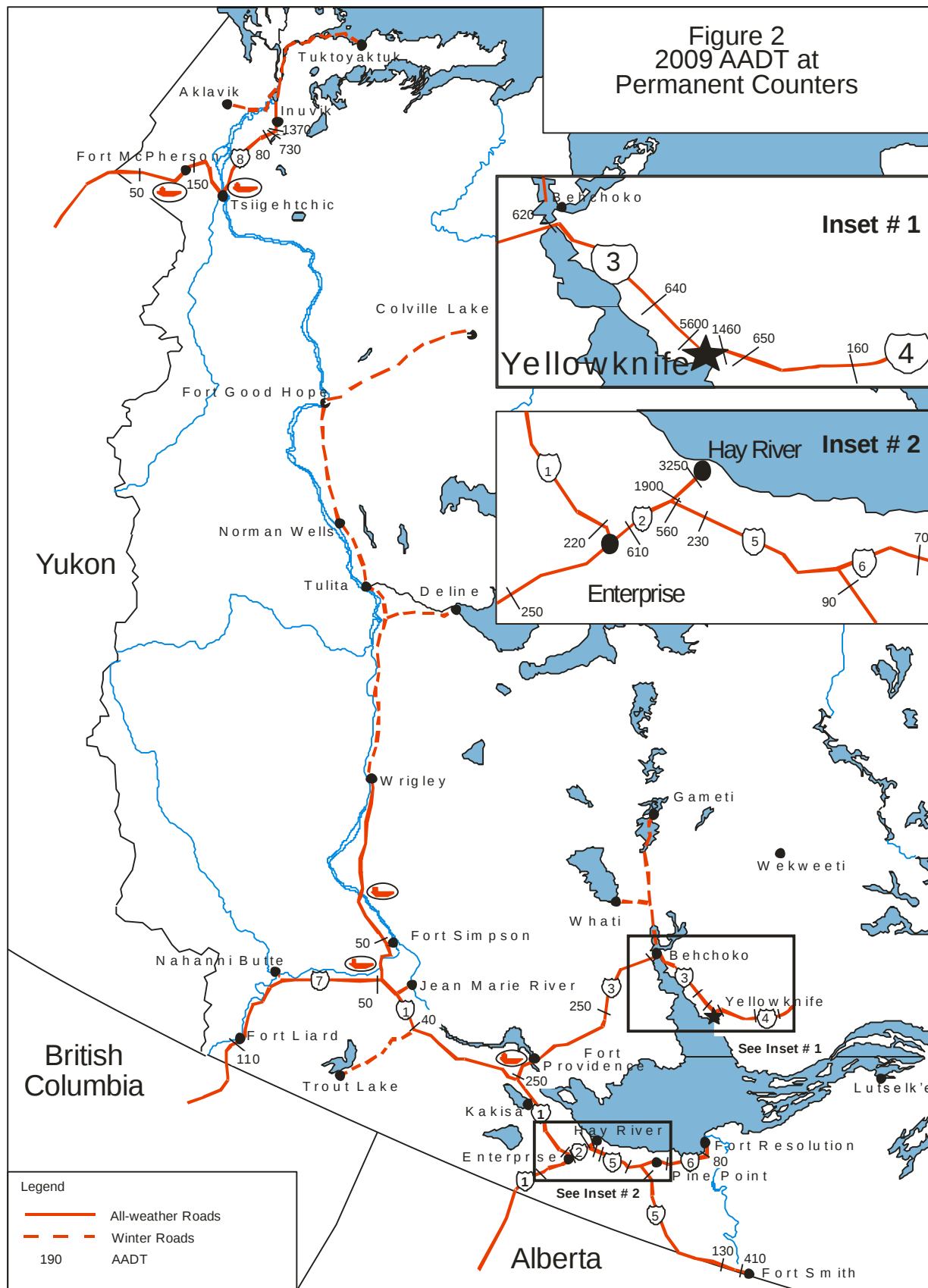
Section 3 presents traffic information collected on highway ferries, and commercial vehicle activity from the weigh scales.

Section 4 presents short term traffic count data at three intersections.

The Appendices present additional detailed traffic information.

Section 2.0

Highway Traffic Volume Data



Note: Some data in this figure has been estimated using information from past years. See Appendix A
Northwest Territories 2009 Highway Traffic

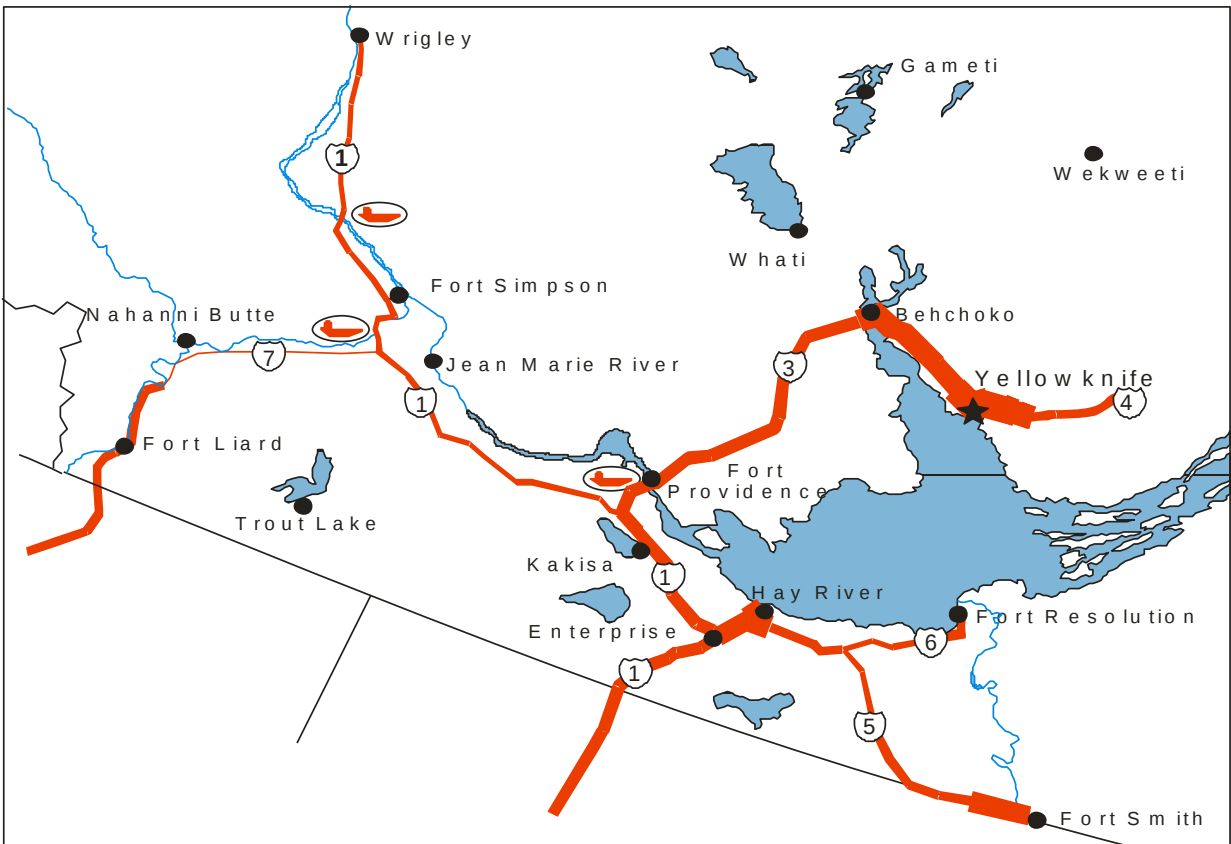
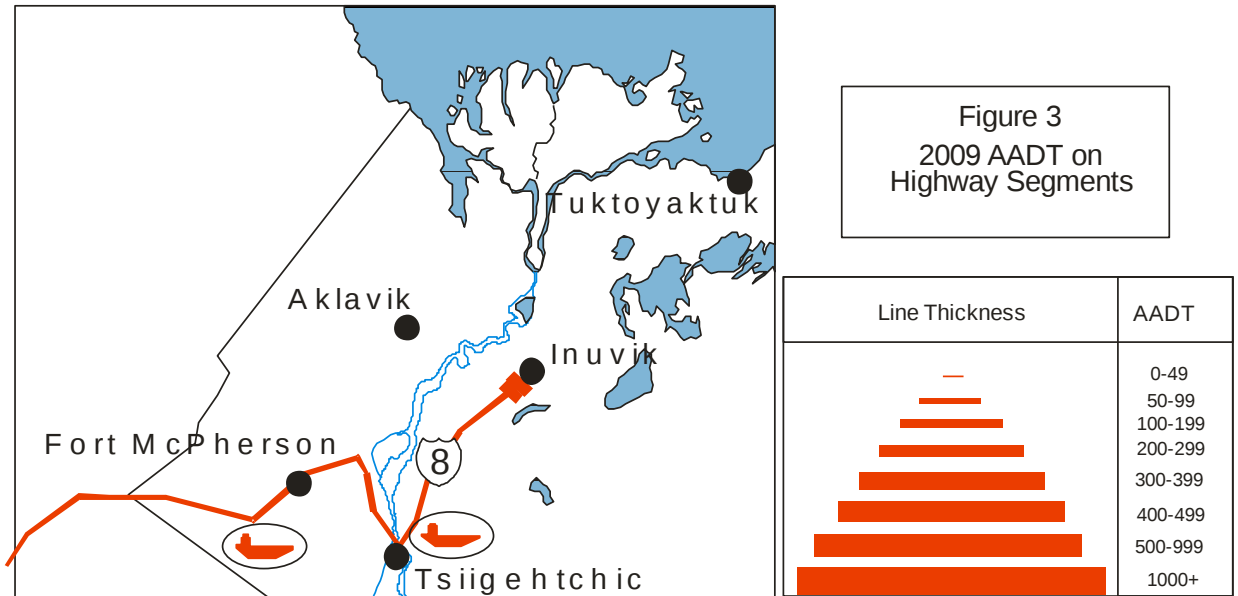


Table 3 Estimated Traffic on Northwest Territories Highways

Highway	Kilometre	Counter ID	Description	AADT										PSDT									
				2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000
1	58	1-58	15 km south of Alexandra Falls	250	280	270	280	280	Data	250	250	240	230	310	380	340	350	390	Data	380	420	390	350
1	85	1-85	1.2 km west of Enterprise	220	330	410	390	300		270	270	250	240	210	410	470	380	420		380	400	320	320
1	322	1-322	0.4 km west of Trout Lake Winter Road	40	50	60	60	70	Not	60	60	60	60	**	**	60	60	90	Not	80	90	80	80
1	477	1-477	5.2 km west of Fort Simpson Access on Highway 1	50	50	60	70	60		50	50	40	40	**	**	60	60	60		60	70	60	60
									Available										Available				
2	10	2-10	10 km north of Enterprise, south of Paradise Gardens	610	450	380	420	450		410	420	400	400	610	540	460	490	550		510	530	500	500
2	32	2-32	40 metres north of Highway 2 & 5 intersection	1900	1850	1790	1420	1460		1390	1420	1340	1340	**	**	1860	1920	1920		1920	1970	1860	1860
2	42	2-42	North of West Channel across bridge	3250	2660	2940	2130	2660		2530	2590	2440	2420	3250	3130	**	**	3130		3120	3200	3010	3010
3	2	3-2	2 km north of Highway 1 & 3 intersection, south of ferry	250	320	300	270	260	Data	250	240	220	200	340	400	360	290	350	Data	350	330	290	290
3	175	3-175	53 km north of Chan Lake, 62 km south of Edzo	250	310	300	210	210		210	210	190	180	**	360	280	**	290		290	280	270	260
3	240	3-240	3 km south of Rae access, south of Frank's Channel	620	770	780	780	650	Not	650	640	590	570	**	760	770	860	710	Not	710	700	670	650
3	324	3-324	21 km east of Boundry Creek	640	640	640	640	610		450	440	410	400	820	**	**	**	690		520	500	470	460
3	338	3-338	0.8 km west of Highway 3 and 4 intersection	5600	5600	5600	5680	5570	Available	5570	5460	5060	4980	**	**	6120	6730	6460	Available	6460	6330	6030	6030
4	1	4-1	1 km north of Highway 3 & 4 intersection	1460	900	870	1240	1240		1240	1240	1240	1230	1770	**	1100	**	1600		1600	1600	1600	1600
4	10	4-10	2.5 km east of Yellowknife River Bridge	650	660	610	730	730		730	730	730	720	**	800	770	**	950		950	950	950	950
4	43	4-43	11 km east of Prelude Lake East Access	160	130	160	100	100		100	100	100	100	**	120	160	**	130		130	130	130	140
5	1	5-1	1 km east of Highway 2 & 5 intersection	560	560	560	560	560	Data	560	530	520	510	**	**	**	**	740	Data	740	710	690	690
5	19	5-19	19 km east of Highway 2 & 5 intersection	230	260	210	150	170		170	160	160	170	330	230	230	180	230		230	220	220	220
5	65	5-65	5 km south of Highway 5 & 6 intersection	90	110	90	170	80	Not	80	70	70	70	**	160	**	**	100	Not	110	100	100	100
5	232	5-232	25km west of Fort Smith	130	130	130	130	130		130	120	120	120	**	**	100	**	200		200	190	180	180
5	257	5-257	6.1 km west of Fort Smith	420	420	420	420	420	Available	410	390	390	390	**	**	**	**	530	Available	530	510	500	480
6	30	6-30	8.5 km east of Pine Point Access	70	80	80	80	80		80	80	80	80	90	90	90	80	90		100	110	100	100
6	74	6-74	16 km west of Fort Resolution	80	110	110	100	120		110	100	110	100	**	120	130	130	130		140	140	130	130
7	35	7-35	2.6 km south of Fort Liard	110	110	110	140	120	Data	120	120	120	**	**	**	80	**	130	Data	130	130	130	**
7	253	7-253	0.3 km south of Highway 1 & 7 intersection	50	50	50	30	30		30	30	30	30	**	**	40	40	40		40	40	40	50
									Not										Not				
8	34	8-34	10 km west of Midway Lake	50	70	70	70	50		50	50	40	40	**	250	90	130	90		100	100	90	90
8	106	8-106	4.6 km north of Fort Mcpherson Access	150	120	110	90	100	Available	80	80	80	80	160	160	90	130	140	Available	180	170	150	160
8	243	8-243	1 km south of Cabin Creek	80	80	80	80	80		80	80	70	80	**	**	110	**	130		130	130	120	120
8	260	8-260	0.7 km north of airport access	740	740	740	740	740		730	690	630	630	**	**	870	**	760		760	900	830	850
8	268	8-268	1.3 km south of Inuvik	1370	1370	1370	1370	1370		1270	1210	1120	1120	**	**	1460	**	1400		1300	1640	1510	1500

Note: See Appendix A for actual data obtained from each traffic counter for 2009.

** 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	38	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	87
			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	2009	595	650											
			2008	628	671	784	735	717	695	647	702	766	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	283				580			686	673	582	373		686
Dettah	1	dvr-1	1995						553	614	621	644	581	389		584
			2009	43	50	55	118	197								
			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		216				270
			2000	48	34	54	95	261	310	211	278	290	277	235		266
			1999	44	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
Paradise Gardens	2	pgr-1	1996	78	90	93	109	111	157	160	172	141	122	103	99	163
			1995									143	134	109	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													
			2002	56							57	54	34	52	44	57
			2001						60	75	44		19			60
			2000													
			1999	43	82	70	58	39								
			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	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	prw-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													
Prelude Lake East	3	pre-3	1993						239			117	85	63		239.3
			2000					306								306
			1999					283	307	261						284
			1998													
			1997						5	88	83	74	59			59
			1996						116	83	76	78	62	58		92
			1995								68	65	48	29		68
			1994							85	71	64	54			78
			1993					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	2009					445	571	570						571
			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
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	2009	271	247											
			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			
			2000	961	991	1093	1110				911					911
			1999	960	989	1076	1114	891								
			1998									1235	1128	976	1007	
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									19	27	81		
			2000				16	22	30	23	17					23
			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	May		
Aklavik	1	akl-1	2010	21-Dec-2009	20-Apr-2010	120				28	24	98		50
			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	32	54
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	2010	28-Jan-2010	31-Mar-2010	62				17	32			25
			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
			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	2010	24-Dec-2009	8-Apr-2010	105			1048	1046	1211	1477		1196
			2009	23-Dec-2008	13-Apr-2009	111			575	538	599	604		579
	(Yellowknife Side)		2008	21-Dec-2007	11-Apr-2008	112			533	501	526	477		509
			2007	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	2010	23-Dec-2009	31-Mar-2010	98				17	23			20
			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								
			1995	18-Jan-1995	26-Mar-1995	67				29	35			32
Highway No. 1 (Norman Wells South)	1022	1-102	2010	23-Dec-2009	31-Mar-2010	98				78	79			79
			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		85
			2006	29-Dec-2005	7-Apr-2006	99			98	68	77			74
			2005	13-Dec-2004	1-Apr-2005	109			51	70	86			80
			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								

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	2010	23-Dec-2009	31-Mar-2010	98			36	39				38
			2009	16-Dec-2008	5-Apr-2009	110		33	37	37				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	18-Dec-1993	28-Mar-1994	100			20	18				19
			1993	15-Dec-1992	27-Mar-1993	102			13	12				12
Tibbitt to Contwoyto	0.3	lupin	2010	4-Feb-2010	21-Mar-2010	45			289	189	14			164
			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	tli'cho	2010	20-Jan-2010	11-Apr-2010	81		95	72	120	165			113
			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	2010	18-Dec-2009	20-Apr-2010	123				113	137	350		200
			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

		Winter Roads		Fl. Simpson - Wrigley (Highway #1)		Wrigley - Tullita (Highway #1)		Tullita - Norman Wells (Highway #1)		Norman Wells - Ft. Good Hope (Highway #1)		Cowville Lake Access				Delline Access		Toud Lake Access		Malahni Butte Access		Jean-Marie River Access		Whia Ti Access		Gameli Access		Dehalhi Access		Tukoyakruk Access		Akawik Access				Ice Bridges		MacKenzie River Crossing Fort Providence		Liard River Crossing at Fort Simpson		MacKenzie River Crossing at Tsaglitche		Peel River Crossing		MacKenzie River Crossing at Cammell Bend		Mining Roads		Lupin Mine	
1985/86	Open Closed	18-Dec 3-Apr	25-Jan 3-Apr	23-Dec 3-Apr	WINTER ROAD NOT OPENED UNTIL 1988/89	WINTER ROAD NOT OPENED UNTIL 2000-01	17-Jan 3-Apr	6-Jan 3-Apr	30-Dec 3-Apr	6-Nov 3-Apr	18-Dec 3-Apr	11-Jan 2-Apr	28-Nov 2-May	12-Dec 2-May	12-Dec 2-May	Open Closed	13-Dec 15-Apr	14-Nov 26-Apr	14-Nov 9-May	6-Nov 10-May	18-Dec 3-Apr	Open Closed	22-Jan 7-Apr																												
1986/87	Open Closed	17-Dec 1-Apr	13-Jan 25-Mar	19-Jan 26-Mar			9-Jan 26-Mar	10-Dec 30-Mar	15-Dec 30-Mar	18-Nov 31-Mar	20-Dec 31-Mar	12-Jan 31-Mar	21-Nov 15-Apr	5-Jan 8-May	5-Jan 7-May	Open Closed	17-Dec 16-Apr	25-Nov 21-Apr	19-Nov 9-May	4-Nov 9-May	17-Dec 3-Apr	Open Closed	14-Jan 1-Apr																												
1987/88	Open Closed	21-Dec 14-Apr	11-Jan 28-Mar	8-Jan 5-Apr			13-Jan 5-Apr	5-Jan 5-Apr	6-Jan 31-Mar	25-Nov 5-Apr	15-Jan 5-Apr	8-Feb 5-Apr	18-Dec 15-Apr	15-Feb 19-Apr	17-Feb 19-Apr	Open Closed	30-Dec 16-Apr	29-Nov 19-Apr	16-Dec 11-May	18-Nov 12-May	21-Dec 14-Apr	Open Closed	N/A N/A																												
1988/89	Open Closed	15-Dec 14-Apr	16-Jan 5-Apr	16-Jan 10-Apr			27-Feb 10-Apr	27-Jan 10-Apr	11-Jan 7-Apr	10-Jan 7-Apr	16-Dec 7-Apr	23-Jan 5-Apr	3-Feb 5-Apr	19-Dec 3-May	7-Feb 3-May	Open Closed	21-Dec 15-Apr	8-Dec 14-Apr	28-Nov 29-Apr	15-Nov 29-Apr	15-Dec 14-Apr	Open Closed	12-Feb 9-Apr																												
1989/90	Open Closed	12-Dec 10-Apr	15-Jan 30-Mar	16-Dec 5-Apr			15-Jan 5-Apr	12-Jan 4-Apr	12-Jan 30-Mar	21-Dec 30-Mar	28-Nov 30-Mar	19-Jan 10-Apr	2-Feb 10-Apr	13-Dec 12-Apr	3-Jan 7-May	23-Dec 7-May	Open Closed	12-Dec 17-Apr	1-Nov 14-Apr	18-Dec 3-May	20-Nov 1-May	12-Dec 10-Apr	Open Closed	32918 32970																											
1990/91	Open Closed	12-Dec 13-Apr	8-Jan 31-Mar	8-Jan 8-Apr			2-Jan 8-Apr	7-Feb 4-Apr	17-Dec 4-Apr	12-Dec 4-Apr	20-Nov 4-Apr	16-Jan 8-Apr	22-Jan 8-Apr	4-Dec 12-Apr	23-Dec 25-Apr	21-Dec 25-Apr	Open Closed	28-Nov 19-Apr	1-Nov 13-Apr	24-Nov 7-May	16-Nov 8-May	12-Dec 13-Apr	Open Closed	1-Feb 22-Mar																											
1991/92	Open Closed	2-Dec 27-Apr	20-Dec 25-Mar	20-Dec 4-Apr			20-Dec 25-Mar	24-Jan 31-Mar	10-Jan 24-Mar	9-Jan 22-Mar	13-Nov 27-Mar	15-Jan 7-Apr	24-Jan 7-Apr	9-Dec 23-Apr	5-Dec 26-Apr	9-Dec 27-Apr	Open Closed	12-Dec 25-Apr	9-Nov 26-Apr	20-Nov 30-Apr	13-Nov 30-Apr	2-Dec 27-Apr	Open Closed	23-Jan 13-Mar																											
1992/93	Open Closed	9-Dec 20-Apr	11-Jan 26-Mar	11-Jan 29-Mar			14-Jan 29-Mar	18-Jan 29-Mar	24-Dec 24-Mar	15-Dec 27-Mar	4-Nov 1-Apr	27-Jan 2-Apr	19-Feb 2-Apr	18-Dec 2-Apr	15-Dec 2-May	Open Closed	22-Dec 14-Apr	2-Dec 20-Apr	23-Nov 12-May	6-Nov 12-May	9-Dec 20-Apr	Open Closed	28-Jan 22-Mar																												
1993/94	Open Closed	11-Dec 12-Apr	23-Dec 29-Mar	29-Dec 30-Mar			29-Dec 31-Mar	25-Jan 30-Mar	18-Jan 31-Mar	18-Dec 28-Mar	1-Dec 3-Apr	18-Feb 18-Apr	18-Feb 18-Apr	8-Dec 18-Apr	5-Jan 28-Apr	18-Jan 28-Apr	Open Closed	20-Dec 23-Apr	14-Dec 23-Apr	24-Nov 5-May	20-Nov 11-May	11-Dec 12-Apr	Open Closed	3-Feb 1-Apr																											
1994/95	Open Closed		12-Jan 19-Mar	18-Jan 26-Mar			19-Jan 26-Mar	20-Jan 26-Mar	22-Dec 22-Mar	1-Dec 26-Mar	10-Nov 22-Mar	13-Jan 29-Mar	30-Jan 22-Mar	13-Dec 21-Apr	22-Dec 24-Apr	23-Dec 24-Apr	Open Closed	4-Dec 25-Apr	23-Nov 26-Apr	25-Nov 2-May	21-Nov 2-May	9-Dec 22-Apr	Open Closed	18-Jan 3-Apr																											
1995/96	Open Closed		26-Jan 20-Mar	8-Jan 20-Mar	8-Jan 20-Mar	18-Jan 20-Mar	20-Jan 15-Mar	1-Dec 25-Mar	29-Nov 26-Oct	15-Jan 20-Mar	2-Feb 20-Mar	29-Nov 17-Apr	19-Dec 19-Apr	19-Dec 26-Apr	Open Closed	4-Dec 12-Apr	16-Nov 23-Apr	30-Nov 28-Apr	30-Nov 28-Apr	30-Nov 23-Apr	Open Closed	25-Jan 13-Apr																													
1996/97	Open Closed		14-Feb 17-Mar	14-Jan 17-Mar	14-Jan 17-Mar	4-Feb 17-Mar	11-Jan 17-Mar	9-Dec 11-Apr	22-Oct	20-Jan 25-Mar	7-Feb 25-Mar	12-Dec 18-Apr	20-Dec 25-Apr	12-Jan 25-Apr	Open Closed	9-Dec 22-Apr	14-Nov 18-Apr	19-Nov 10-May	12-Nov 10-May	13-Dec 27-Apr	Open Closed	28-Jan 12-Apr																													
1997/98	Open Closed		6-Feb 16-Mar	23-Jan 13-Mar	14-Jan 16-Mar	3-Feb 16-Mar	23-Jan 16-Mar	18-Dec 16-Mar	23-Jan 9-Apr	7-Feb 9-Apr	18-Dec 16-Apr	2-Jan 15-Apr	26-Jan 16-Apr	Open Closed	9-Jan 16-Apr	27-Nov 17-Apr	1-Dec 17-May	18-Nov 2-May	12-Jan 17-Apr	Open Closed	19-Jan 4-Apr																														
1998/99	Open Closed		1-Feb 16-Mar	31-Dec 16-Mar	7-Jan 15-Mar	21-Jan 16-Mar	21-Dec 16-Mar	21-Dec 16-Mar	25-Jan 7-Apr	8-Feb 1-Apr	31-Dec 20-Apr</																																								

Table 7 Truck Traffic on the Tibbitt to Contwoyto Winter Road

		Lupin Mine ⁽¹⁾	BHP Diamonds Ekati Mine	Diavik Diamond Mines Inc.	DeBeers Snap Lake	Tahera	Mineral Exploration Traffic	Total
2010	Total Tonnage	0	47,581	39,748	32,505	0	186	120,020
	Total Trucks	0	1,461	1,345	1,116	0	15	3,937
2009	Total Tonnage	0	58,544	91,362	22,884	0	405	173,195
	Total Trucks	0	1,663	2,779	904	0	31	5,377
2008	Total Tonnage	0	72,233	138,051	43,244	2,300	2,513	258,341
	Total Trucks	0	1,840	4,239	1,250	49	77	7,455
2007	Total Tonnage	2,059	121,716	133,267	64,505	17,566	4,172	343,285
	Total Trucks	55	3,937	4,573	2,355	500	236	11,656
2006 (2)	Total Tonnage	1,071	82,447	55,750	34,852	7,821	2,435	184,376
	Total Trucks	35	3,152	2,094	1,623	258	148	7,310
2005	Total Tonnage	7,709	117,661	94,303	18,089	0	14,771	252,533
	Total Trucks	251	3,434	2,848	703	0	614	7,850
2004	Total Tonnage	11,097	105,127	53,960	6,852	0	2,108	179,144
	Total Trucks	288	2,984	1,572	295	0	117	5,256
2003	Total Tonnage	27,832	101,990	67,394	0	0	1,602	198,818
	Total Trucks	702	3,003	2,202	0	0	87	5,994
2002	Total Tonnage	27,315	132,077	93,009	0	0	3,083	255,484
	Total Trucks	698	3,913	3,339	0	0	218	8,168
2001	Total Tonnage	26,239	99,297	111,506	0	0	8,545	245,587
	Total Trucks	688	2,912	4,127	0	0	363	8,090
2000 (3)	Total Tonnage	21,672	66,609	25,068	0	0	12,031	125,380
	Total Trucks	557	3,402	0	0	0	0	3,959

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 Contwoyto Winter Road Joint Venture.

2010 season	45 days (February 4 - March 21)
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)

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 preceeding 2000, please see Appendix B 'Historical Data'.

Refer to Figure 1 for the location of this winter road

Table 8 Estimated Vehicle Kilometres Traveled on NWT Highways

Hwy	km		Length (km)	AADT										Vehicle Kilometres Travelled (Millions)											
				2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000		
1	58	Alberta Border to Enterprise	84.2	250	280	270	280	280	250	250	260	240	230	7.7	8.6	8.3	8.7	8.7	7.6	7.6	7.8	7.4	7.1		
1	85	Enterprise to Junction with Hwy #3	103.4	220	330	410	390	300	270	270	270	250	240	8.4	12.7	15.4	14.8	11.4	10.3	10.3	9.5	9.2			
		1 Arterial	187.6											16.0	21.3	23.7	23.5	20.1	18.0	18.0	17.9	16.8	16.3		
2	10	Enterprise to Junction with Hwy #5	37.5	610	450	380	420	450	410	410	420	400	400	8.3	6.1	5.3	5.7	6.1	5.6	5.6	5.8	5.5	5.4		
2	32	Junction with Hwy #5 to Hay River (West Channel Bridge)	6.2	1900	1850	1790	1420	1460	1390	1390	1420	1340	1340	4.3	4.2	4.1	3.2	3.3	3.1	3.1	3.2	3.0	3.0		
2	42	1 km south Airport Access, 5 km north West Channel Bridge	3250	2660	2940	2130	2530	2530	2530	2760	2500	2490		12.6	10.3	9.3	9.0	9.4	8.7	8.7	9.0	8.5	8.5		
		2 Arterial	43.7																						
3	2	Junction with Hwy #1 to Fort Providence Access	44.1	250	320	300	270	260	250	250	240	220	200	4.1	5.1	4.7	4.3	4.2	4.0	4.0	3.9	3.5	3.2		
3	175	Fort Providence Access to Edzo Access	192.4	250	310	300	210	210	210	210	210	190	180	17.5	21.8	20.9	14.9	14.9	14.9	14.9	14.6	13.5	12.9		
3	240	Edzo Access to Rae Access	8.5	620	770	780	780	650	650	650	640	590	570	1.9	2.4	2.4	2.4	2.0	2.0	2.0	2.0	1.8	1.8		
3	324	Rae Access to Yellowknife Access (Old Airport Road)	88.5	640	640	740	680	450	450	450	440	410	400	20.7	20.7	20.7	20.7	14.6	14.6	14.6	14.3	13.1	12.9		
3	340	Old Airport Road Junction to Junction with Hwy #4	5.3	5600	5600	5600	5680	5570	5570	5570	5460	5060	4980	10.8	10.8	10.8	11.0	10.8	10.8	10.8	10.6	9.8	9.6		
		3 Arterial	338.8											55.0	60.8	59.6	53.2	46.4	46.2	46.2	45.3	41.8	40.4		
		Total Arterial	570.1											83.6	92.4	92.6	85.7	76.0	72.9	72.9	72.2	67.1	65.1		
1	322	Junction with Hwy #3 to Junction with Hwy #7	268.8	40	50	60	60	70	60	60	60	60	60	3.9	4.9	5.4	6.1	7.2	6.1	6.1	6.3	6.1	5.6		
-1	488	Junction with Hwy #7 to Fort Simpson Access	14.3	230	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	50	60	70	60	40	40	50	40	40	1.4	1.4	1.6	1.9	1.6	1.2	1.2	1.5	1.2	1.2		
		1 Collector	362.9											6.6	7.7	8.3	9.3	10.1	8.6	8.6	9.1	8.6	8.1		
4	1	Junction with Hwy #3 to Royal Oak Mine	5	1460	900	870	1240	1240	1240	1240	1240	1230		2.7	1.6	1.6	2.3	2.3	2.3	2.3	2.3	2.3	2.2		
4	10	Royal Oak Mine to Prelude Lake East Access	11.8	650	660	610	730	730	730	730	730	720		2.8	2.9	2.7	3.2	3.2	3.2	3.2	3.2	3.2	3.1		
4	43	Prelude Lake East Access to Tibbitt Lake	52.4	160	130	160	100	100	100	100	100	100		3.0	2.4	3.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9		
		4 Collector	69.2											8.5	6.9	7.2	7.3	7.3	7.3	7.3	7.3	7.3	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		0.5	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	57.9	230	260	210	150	170	170	170	160	160	170	4.8	5.5	4.5	3.2	3.7	3.7	3.7	3.4	3.4	3.5		
5	65	Junction with Hwy #6 to Salt River Village Access Road	187.8	90	110	90	70	80	80	80	70	70	70	6.0	7.4	6.4	4.5	5.3	5.5	5.5	5.0	4.8	5.0		
5	232	Salt River Village Access Road to Trout Street	13.5	130	130	130	130	130	130	130	120	120	120	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6		
5	257	Fort Smith Access (Trout St.) to King St. Intersection	4.3	420	420	420	420	420	420	420	390	390		0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6		
		5 Collector	266											12.6	14.7	12.6	9.5	10.8	11.0	11.0	10.1	9.8	10.2		
6	30	Junction with Hwy #5 to Little Buffalo Village Road	68.3	70	80	80	80	80	80	80	80	80		1.9	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	80	110	110	100	120	110	110	100	100	100	0.6	0.8	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8		
		6 Collector	90											2.5	2.9	3.0	2.6	2.9	2.9	2.9	2.8	2.7	2.8		
7	35	BC Border to Fort Liard	37.6	110	110	110	140	120	120	120	120	120	120	1.5	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	50	30	30	30	30	30	30	30	4.0	4.0	4.0	2.7	2.7	2.7	2.7	2.6	2.5	2.5		
		7 Collector	254.1											5.5	5.5	5.5	4.6	4.3	4.3	4.3	4.3	4.1	4.1		
8	34	Yukon Border to Fort McPherson Access	85.4	50	70	70	70	50	50	50	50	40	40	1.7	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	150	120	110	90	100	80	80	80	80	90	3.1	2.6	2.3	1.9	2.1	1.7	1.7	1.8	1.8	1.8		
8	243	Mackenzie River Ferry to Airport Access Road	116.7	80	80	80	80	80	80	80	80	70	80	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.4		
8	259	Airport Access Road to Tuk Park Access Road	6.1	740	740	740	740	740	740	740	690	630	630	1.6	1.6	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	1370	1270	1270	1210	1120	1120	1.9	1.9	1.9	1.9	1.9	1.8	1.7	1.6	1.6	1.6		
		8 collector	269.3											11.8	11.7	11.4	11.0	10.6	10.0	10.0	9.9	9.0	9.3		
		Total Collector	1312											47.4	49.3	48.0	44.4	46.0	44.1	44.1	43.6	41.6	41.7		
		Total Vehicle Kilometres Travelled												131.0	141.7	140.6	130.0	122.0	117.0	117.0	115.8	108.7	106.8		

Percent increase from 2001 to 2002 = 1.8% (Arterial increase = 3.1%; Collector increase = -0.2%)

Percent increase from 2002 to 2003 = 6.5% (Arterial increase = 7.6%; Collector increase = 4.8%)
Percent increase from 2003 to 2004 = 1.1% (Arterial increase = 0.9%; Collector increase = 1.3%)

Percent increase from 2004 to 2005 = 0% (Arterial increase = 0%; Collector increase = 0%)

Percent increase from 2005 to 2006 = 4.3% (Arterial increase = 4.3%; Collector increase = 4.2%)

Percent increase from 2006 to 2007 = 15.2% (Arterial increase = 21.8%; Collector increase = 4.4%)

Percent increase from 2007 to 2008 = 0.8% (Arterial increase = -0.2%; Collector increase = 2.7%)

Percent increase from 2008 to 2009 = -7.5% (Arterial increase = -9.5%; Collector increase = -3.9%)

Average annual percent increase from 2000 to 2009 = 2.5% (Arterial increase = 3.2%; Collector increase = 1.5%)

Vehicle Kilometres Travelled (VKT) is a unit for measuring the amount of traffic on a road. It is calculated by multiplying the AADT by the length of the road.

I.E. (number of vehicles)(number of kilometres assumed driven)=vehicle kilometres travelled. VKT indicates usage of a road and is typically used to calculate collision rates.

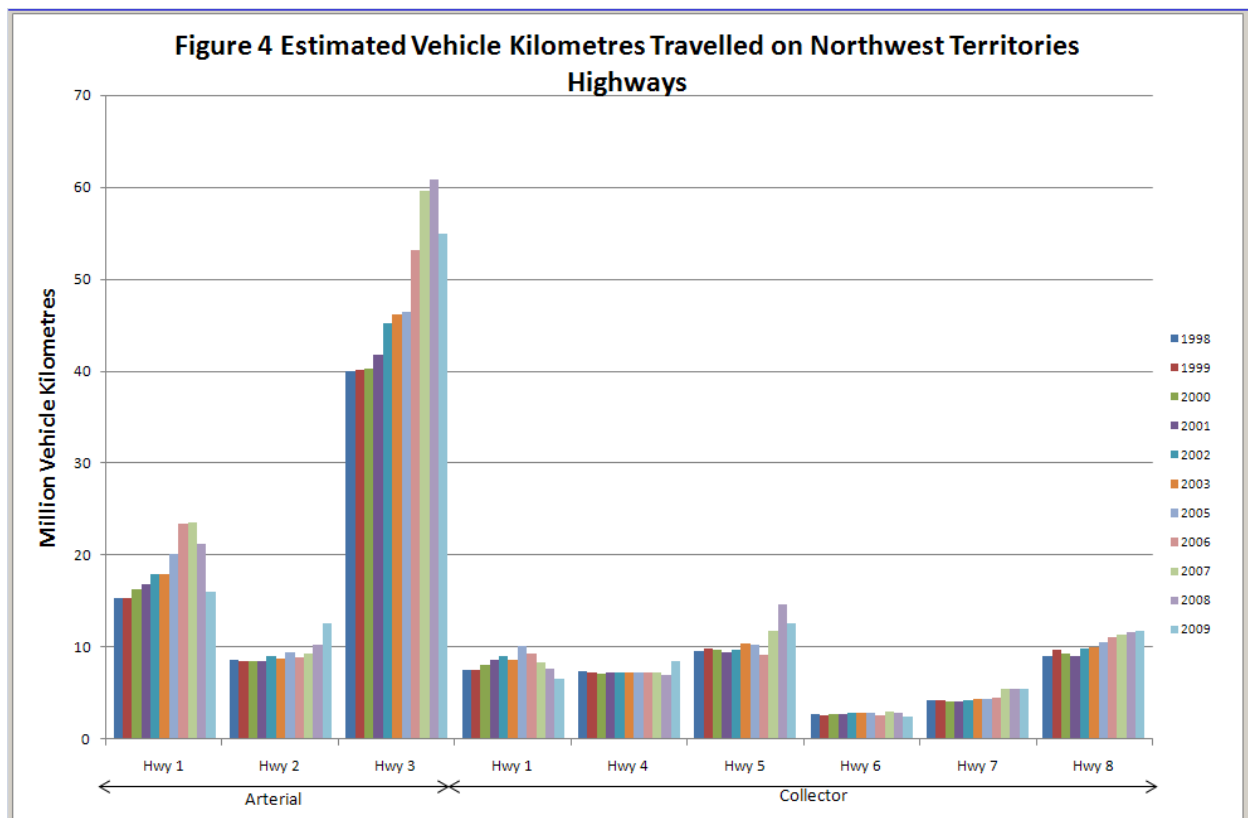
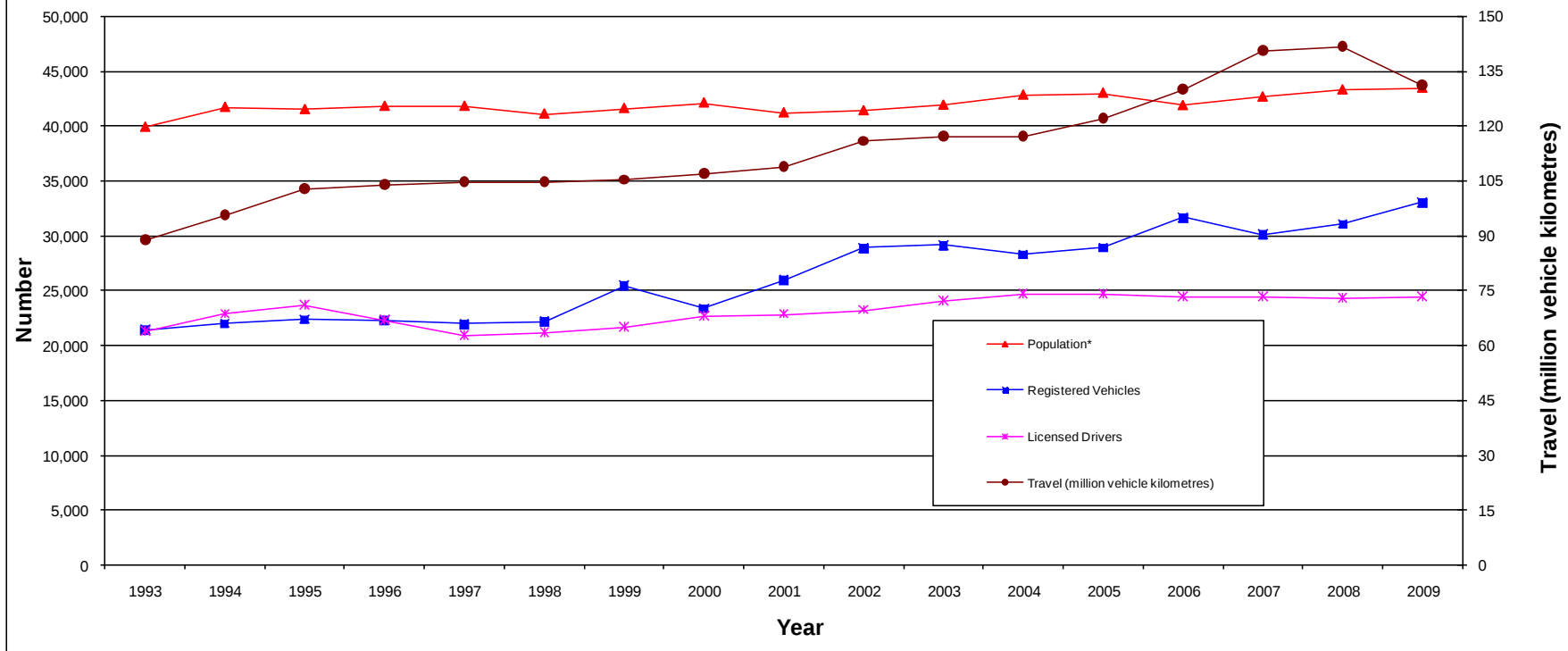


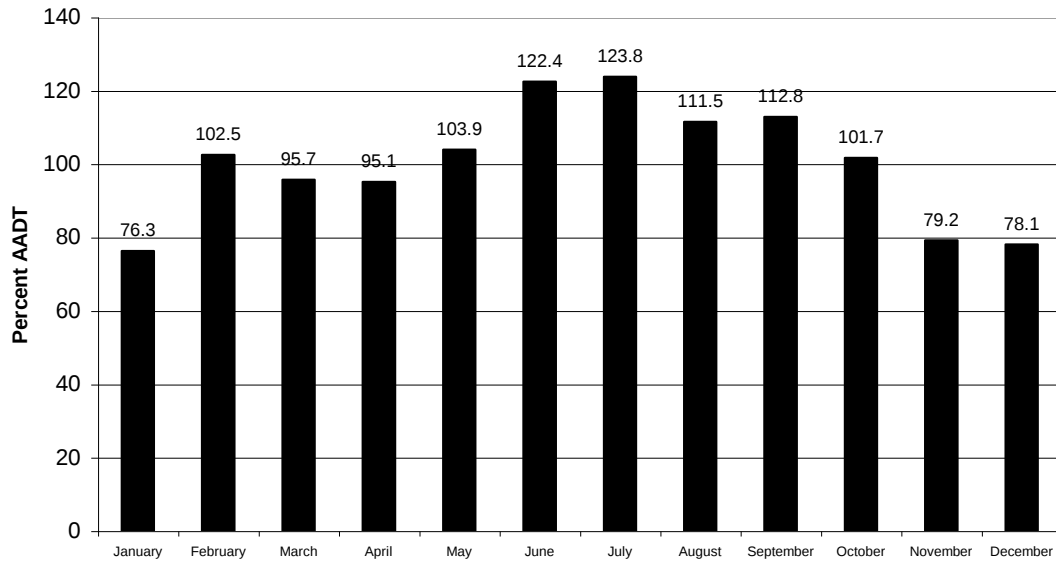
Figure 5 Yearly Trend in Road-Related Indicators



Indicators	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Population*	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	43,439
Registered Vehicles	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	33,036
Licensed Drivers	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	24,449
Travel (million vehicle kilometres)	102.7	103.8	104.6	104.7	105.2	106.8	108.7	115.8	117.0	117.0	122.0	130.0	140.6	141.7	131.0

*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)

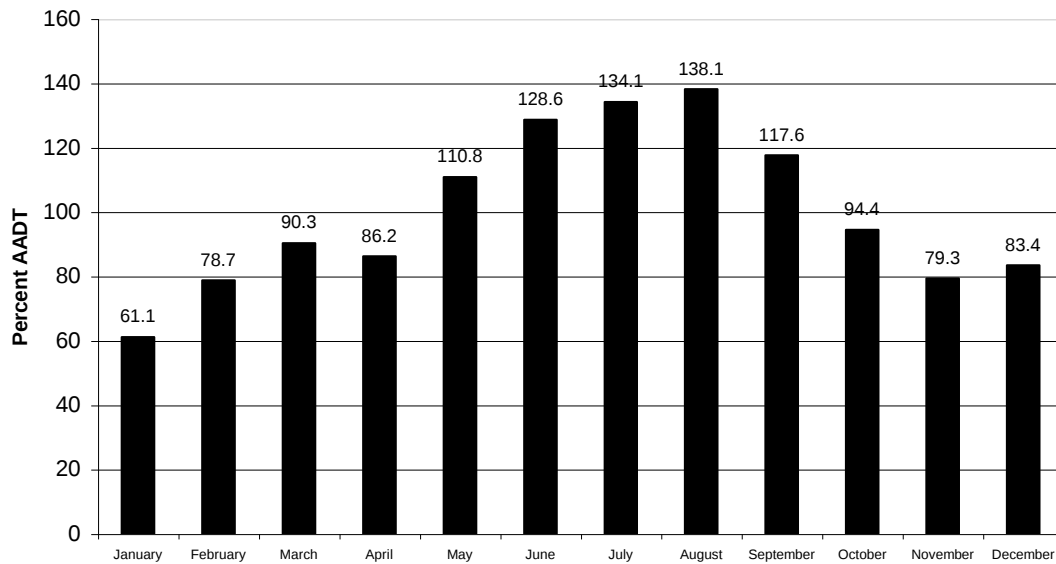
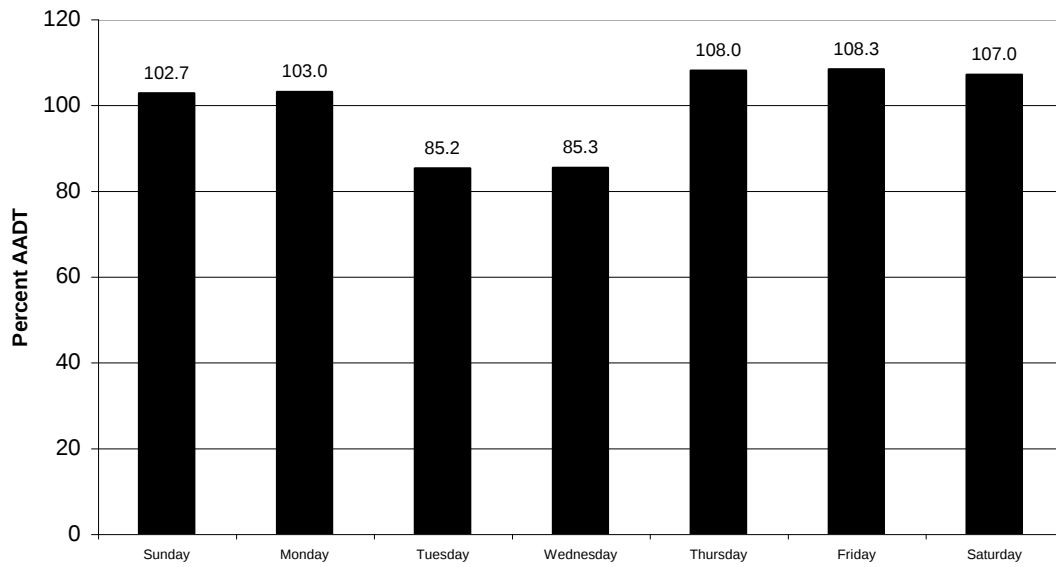


Figure 7
Distribution of Daily Traffic
Typical Near Urban Highway
(Hwy 3, Km 338)



Typical Rural Highway
(Hwy 5, Km 65)

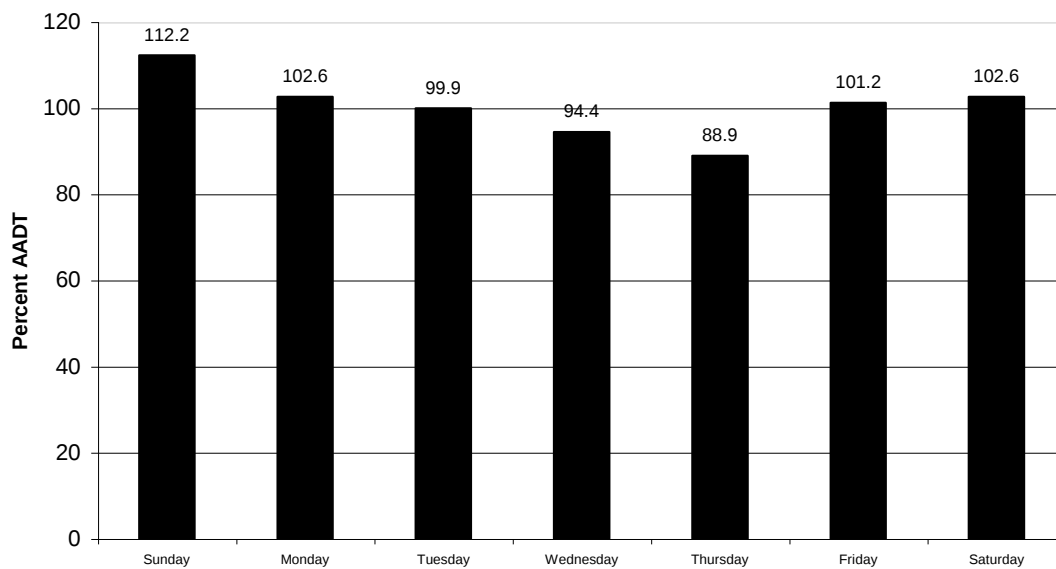
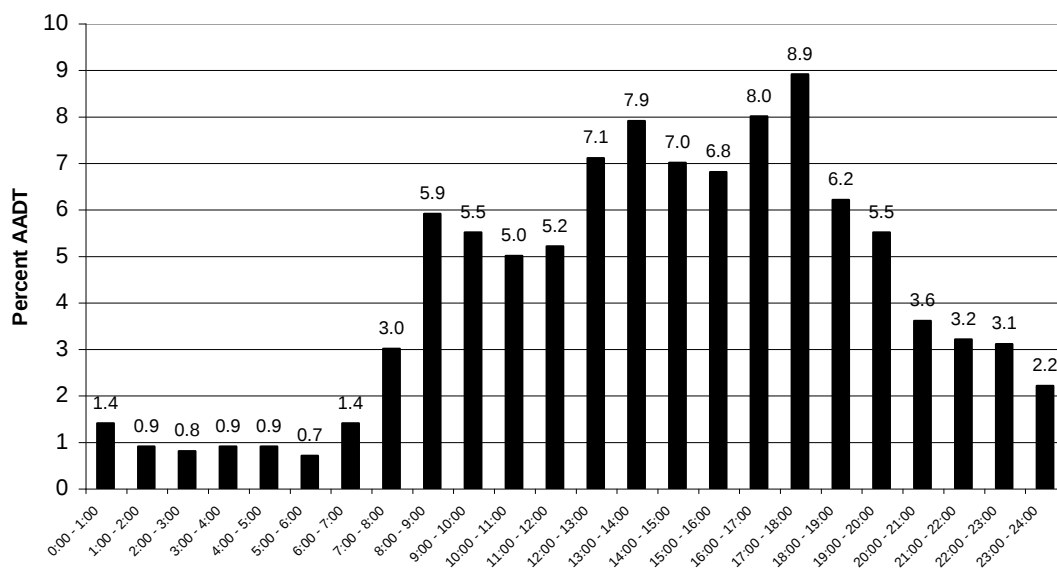
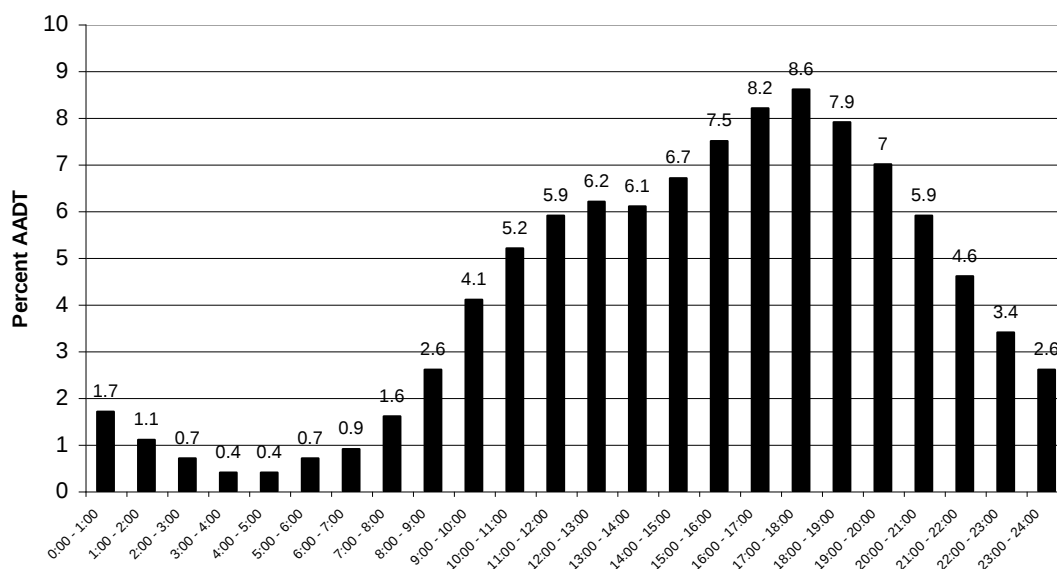


Figure 8
Distribution of Hourly Traffic
Typical Near Urban Highway
(Hwy 3, Km 338)



Typical Rural Highway
(Hwy 5, Km 65)



Section 3.0

Vehicle Movements at Ferries and Weigh Scales

Figure 9
Average Daily Traffic on Highway Ferries

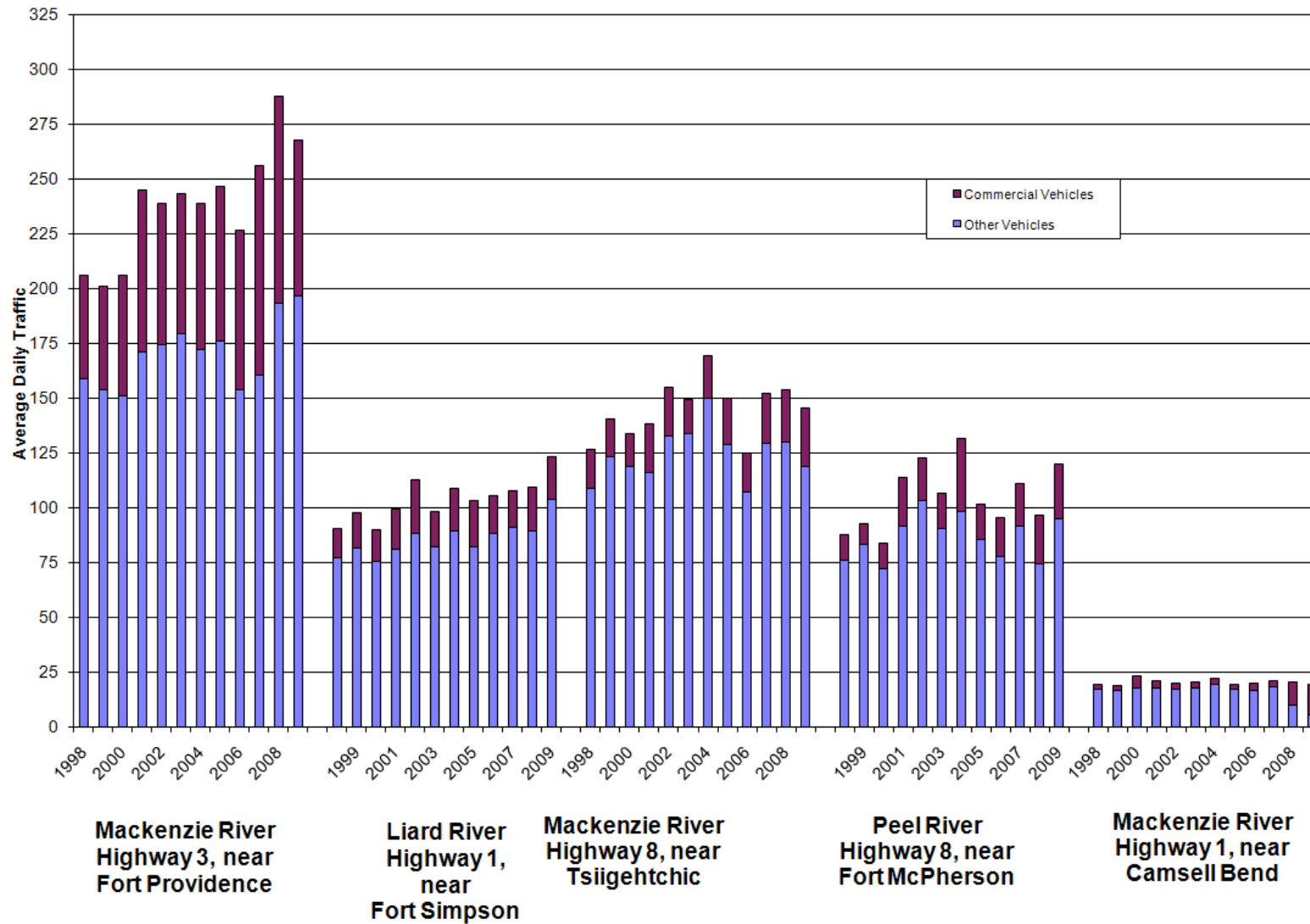


Table 9 Average Daily Traffic on Highway Ferries

Ferry Crossing	Location	Ferry	Vehicle Type	Year											
				2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998
Dory Point	Highway 3, near Fort Providence	M.V. Merv Hardie	Commercial Vehicles	71	94	95	73	71	67	64	64	74	55	47	48
			Light Vehicles	177	176	142	138	159	154	159	156	154	134	137	142
			Trailers Towed	20	18	19	17	17	18	21	19	18	17	18	17
			Total	268	288	256	227	247	239	244	239	245	206	201	206
Liard River	Highway 1, near Fort Simpson	M.V. Lafferty	Commercial Vehicles	19	20	17	17	21	20	16	24	19	14	16	13
			Light Vehicles	96	83	84	81	76	83	76	82	75	70	76	72
			Trailers Towed	8	7	7	7	6	6	7	7	6	6	6	5
			Total	123	110	108	106	104	109	98	113	100	90	98	91
Mackenzie River	Highway 8, near Tsiigehtchic	M.V. Louis Cardinal	Commercial Vehicles	27	24	23	18	21	20	15	23	22	15	18	18
			Light Vehicles	109	122	119	99	119	136	127	120	104	106	108	94
			Trailers Towed	10	8	11	8	10	14	7	13	12	13	15	15
			Total	146	154	152	125	150	170	150	155	139	134	141	127
Peel River	Highway 8, near Fort McPherson	C.F. Abraham Francis	Commercial Vehicles	25	22	19	18	16	34	16	19	22	12	9	11
			Light Vehicles	88	69	82	71	80	91	82	97	82	64	71	65
			Trailers Towed	7	6	10	7	6	8	9	7	10	8	12	12
			Total	120	97	111	96	102	132	107	123	114	84	93	88
Mackenzie River	Highway 1, near Camsell Bend	M.V. Johnny Berens	Commercial Vehicles	14	11	3	3	3	3	3	3	3	6	2	3
			Light Vehicles	5	9	18	16	16	18	17	16	17	17	16	17
			Trailers Towed	1	1	1	1	1	1	1	1	1	1	1	1
			Total	19	21	21	20	20	22	21	20	21	23	19	20

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

Operating Season Open	Close	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			
15-May-09	21-Jan-10	May-09	4,186	246	70.14	7.67	2.87	17.18	0.00	0.53	1.62	22.19	7,439	
		Jun-09	9,608	320	63.70	13.47	1.59	19.28	0.00	0.63	1.33	22.84	17,501	
		Jul-09	12,155	392	70.06	10.72	2.17	14.69	0.02	0.52	1.83	19.22	21,950	
		Aug-09	11,607	374	71.23	7.80	1.87	17.45	0.05	0.42	1.17	20.97	21,257	
		Sep-09	8,885	296	67.17	5.77	2.80	22.69	0.05	0.60	0.92	27.06	15,535	
		Oct-09	7,467	241	68.80	3.78	3.03	23.20	0.08	0.76	0.36	27.43	12,927	
		Nov-09	6,128	204	58.96	2.22	2.71	34.89	0.16	0.64	0.42	38.82	10,033	
		Dec-09	5,467	176	64.39	3.35	2.87	28.11	0.15	0.68	0.46	32.27	9,208	
		Jan-10	1,735	83	20.75	2.31	4.44	71.41	0.06	0.17	0.86	76.95	2,145	
		Total	67,238	268	66.09	7.40	2.42	22.37	0.06	0.57	1.08	26.51	117,995	
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	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	
17-May-04	6-Jan-05	Total	55,968	239	64.58	7.56	2.68	23.09	0.08	0.79	1.23	27.86	104,377	
17-May-03	9-Jan-04	Total	57,720	244	65.40	8.45	2.23	21.87	0.10	0.71	1.25	26.16	109,721	
22-May-02	27-Jan-03	Total	59,728	239	65.17	7.98	2.28	22.68	0.13	0.70	1.06	26.85	111,535	
12-May-01	15-Jan-02	Total	60,868	245	62.66	7.22	2.22	25.37	0.53	0.78	1.22	30.12	115,370	
9-May-00	15-Jan-01	Total	51,753	206	65.10	8.20	2.10	22.26	0.03	0.79	1.52	26.70	99,729	
9-May-99	21-Jan-00	Total	51,753	201	67.83	8.72	2.04	19.18	0.06	0.84	1.33	23.45	102,541	
7-May-98	13-Jan-99	Total	51,820	206	68.63	8.32	2.27	18.71	0.01	0.81	1.24	23.04	100,691	
14-May-97	29-Jan-98	Total	52,660	203	64.26	7.22	2.55	23.95	0.07	0.82	1.13	28.52	100,851	
15-May-96	14-Jan-97	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	12-Jan-96	Total	50,440	207	65.04	6.56	4.11	22.43	0.33	0.73	0.79	28.40	96,699	

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 every day 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					Bus	Other	Total Commercial	Number of Passengers
				Light vehicles	Trailers towed	Truck Single Unit	Truck Semi Trailer	Over size				
15-May-09	4-Nov-09	May-09	2,231	131	81.26	6.19	6.95	3.32	0.04	0.04	2.20	4,462
		Jun-09	4,135	138	79.30	7.55	2.35	7.30	1.72	0.39	1.40	8,269
		Jul-09	3,815	123	76.99	8.55	2.18	8.41	1.02	0.21	2.65	7,494
		Aug-09	3,867	125	78.20	7.99	3.62	8.66	0.23	0.13	1.16	7,646
		Sep-09	3,953	132	74.48	5.16	3.90	13.51	1.14	0.18	1.64	7,337
		Oct-09	2,939	95	76.93	3.98	4.49	12.32	0.17	0.17	1.94	5,015
		Nov-09	378	95	84.92	2.91	2.65	7.94	0.00	0.00	1.59	653
		Total	21,318	123	77.77	6.65	3.62	9.18	0.80	0.20	1.79	40,876
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	2,890
		Jun-08	3,186	106	78.12	4.43	2.86	11.74	0.25	0.35	2.26	6,015
		Jul-08	3,642	117	72.98	7.11	4.39	12.66	0.08	0.16	2.61	6,815
		Aug-08	3,669	118	72.72	9.24	2.62	12.95	0.41	0.14	1.94	6,652
		Sep-08	3,456	115	74.68	6.94	3.85	13.22	0.17	0.17	0.95	6,486
		Oct-08	3,129	101	76.22	4.38	4.86	12.24	0.29	0.06	1.95	5,589
		Nov-08	78	26	80.77	3.85	0.00	0.00	0.00	0.00	15.38	154
		Total	18,744	110	75.61	6.27	3.53	12.07	0.22	0.19	2.10	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	4,507
		Jun-07	3,936	131	76.91	7.47	4.73	7.32	0.28	0.30	3.00	6,713
		Jul-07	3,365	109	71.41	10.82	2.79	10.49	0.42	0.53	3.54	6,720
		Aug-07	3,546	114	79.16	8.21	2.54	7.47	0.06	0.17	2.40	6,909
		Sep-07	3,353	112	78.50	6.05	2.51	10.68	0.30	0.24	1.73	6,146
		Oct-07	2,692	87	77.08	4.05	4.64	12.30	0.30	0.07	1.56	4,850
		Nov-07	526	75	83.08	1.52	3.04	9.51	0.38	0.00	2.47	777
		Total	19,615	108	77.84	6.83	3.48	8.84	0.25	0.27	2.50	36,622
17-May-06	2-Nov-06	Total	17,841	106	77.10	6.48	3.81	8.78	1.09	0.31	2.42	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	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	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	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	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	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	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	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	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	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	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	34,734

Table 12 Vehicle Classification Data at Mackenzie River Ferry (Highway 8 near Tsiigehtchic, 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		
3-Jun-09	25-Oct-09	Jun-09	3,999	133	70.84	9.35	5.73	9.13	0.08	0.00	4.88	7,499
		Jul-09	5,096	164	71.88	9.81	5.69	7.85	0.24	0.16	4.38	9,718
		Aug-09	5,564	179	76.64	5.61	3.56	11.68	0.38	0.02	2.12	10,432
		Sep-09	3,776	126	80.35	4.87	3.97	9.43	0.74	0.03	0.61	7,275
		Oct-09	2,566	83	75.95	1.36	4.21	17.50	0.31	0.12	0.55	5,507
		Total	21,001	146	74.96	6.69	4.64	10.57	0.34	0.06	2.73	40,431
30-May-08	23-Oct-08	May-08	147	74	91.84	1.36	2.72	2.04	0.00	0.00	2.04	343
		Jun-08	5,116	171	76.76	6.04	6.82	6.88	0.10	0.00	3.40	9,344
		Jul-08	5,841	188	80.64	6.61	2.77	6.87	0.14	0.27	2.71	10,753
		Aug-08	5,210	168	84.11	5.74	2.17	6.89	0.02	0.08	1.00	10,132
		Sep-08	4,046	135	74.96	2.50	7.19	13.87	0.40	0.00	1.09	7,060
		Oct-08	2,119	92	79.38	0.85	5.95	11.85	0.47	0.00	1.51	3,666
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	8,040
		Jul-07	5,080	169	75.47	9.21	3.74	8.17	0.14	0.26	3.01	11,212
		Aug-07	6,202	200	80.43	8.51	2.63	6.24	0.39	0.06	1.74	13,856
		Sep-07	3,891	126	78.85	3.88	6.25	9.28	0.33	0.05	1.36	8,544
		Oct-07	2,476	113	76.21	1.17	7.31	14.10	0.24	0.08	0.89	5,227
		Total	21,632	152	77.82	7.09	4.28	8.42	0.25	0.10	2.04	46,879
31-May-06	29-Oct-06	Total	18,883	125	79.44	6.39	3.25	8.52	0.21	0.13	2.06	37,741
27-May-05	29-Oct-05	Total	23,256	150	79.02	6.85	4.26	7.64	0.18	0.09	1.97	46,230
4-Jun-04	21-Oct-04	Total	23,574	170	80.24	8.17	2.58	7.61	0.22	0.08	1.09	40,642
5-Jun-03	1-Nov-03	Total	22,311	150	85.05	4.63	2.25	7.17	0.12	0.16	0.62	48,269
5-Jun-02	19-Oct-02	Total	21,130	155	77.24	8.27	3.86	8.11	0.59	0.13	1.80	46,844
5-Jun-01	26-Oct-01	Total	19,827	139	75.07	8.92	2.86	11.31	0.42	0.11	1.31	42,172
5-Jun-00	23-Oct-00	Total	18,795	134	78.72	9.82	2.52	6.88	0.11	0.14	1.81	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	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	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	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	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	50,398

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							
			Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Over size	Bus	Other	Total Commercial	Number of Passengers
1-Jun-09	5-Nov-09	Jun-09	3,116	104	68.74	8.99	2.28	11.87	0.19	0.00	7.93	5,838
		Jul-09	5,325	172	79.23	6.93	2.07	6.74	0.06	0.15	4.83	12,469
		Aug-09	5,258	170	81.93	5.33	1.75	6.88	0.15	0.42	3.54	12,429
		Sep-09	2,873	96	73.44	4.25	1.64	16.88	0.14	0.07	3.59	5,649
		Oct-09	2,156	60	46.75	0.23	11.50	40.58	0.74	0.19	0.00	3,503
		Nov-09	111	3.7	86.49	1.80	1.80	2.70	0.00	0.00	7.21	239
		Total	18,839	120	73.69	5.62	3.03	13.03	0.20	0.19	4.25	40,127
25-May-08	27-Oct-08	May-08	564	81	35.99	1.60	1.06	1.77	0.00	0.00	59.57	244
		Jun-08	2,533	84	66.92	10.54	3.12	11.61	0.87	0.63	6.32	4,895
		Jul-08	3,934	127	66.40	6.53	1.78	20.79	0.15	0.18	4.17	8,090
		Aug-08	4,249	137	82.96	5.65	1.67	7.39	0.09	0.24	2.00	9,723
		Sep-08	2,674	89	73.34	3.40	1.65	19.15	0.56	0.11	1.80	4,426
		Oct-08	1,051	39	68.03	0.57	1.90	25.69	0.57	0.10	3.14	1,836
		Jan-00										0
		Total	15,005	97	71.38	5.80	1.93	14.78	0.35	0.25	5.50	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	5,292
		Jul-07	4,018	134	72.20	9.98	2.04	10.53	0.02	0.35	4.88	8,680
		Aug-07	5,607	181	81.36	7.94	1.61	6.87	0.07	0.16	2.00	12,143
		Sep-07	2,316	75	72.63	6.74	1.47	17.23	0.09	0.26	1.60	4,467
		Oct-07	944	50	58.05	2.44	3.92	32.84	0.11	0.11	2.54	1,712
		Total	15,446	111	73.83	8.69	1.78	11.96	0.06	0.19	3.48	32,294
2-Jun-06	26-Oct-06	Total	14,007	96	74.07	7.22	2.03	12.37	0.11	0.23	3.96	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	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	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	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	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	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	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	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	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	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	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	31,485

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	Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Percent of Total Over size	Bus	Other	Total Commercial	Number of Passengers
22-May-09	2-Nov-09	May-09	148	15	9.46	2.70	75.68	1.35	1.35	0.00	9.46	87.84	287
		Jun-09	531	18	22.79	3.20	65.35	0.38	2.82	0.00	5.46	74.01	1,084
		Jul-09	664	21	25.75	2.86	60.09	2.11	3.61	0.00	5.57	71.39	1,462
		Aug-09	627	20	20.89	7.34	59.81	3.35	6.06	0.00	2.55	71.77	1,436
		Sep-09	641	21	33.23	11.23	46.65	3.59	2.03	0.16	3.12	55.54	1,255
		Oct-09	532	16	19.36	2.07	65.41	5.83	3.01	0.00	4.32	78.57	1,024
		Nov-09	34	1	20.59	2.94	64.71	5.88	2.94	0.00	2.94	76.47	66
		Total	3,177	19	23.92	5.35	59.87	2.99	3.43	0.03	4.41	70.73	6,614
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	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

Table 15 Vehicle Classification at the Enterprise Weigh Scale

Unit Type	2009												12 Month Total	% of Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Single Axle	34	35	30	29	38	28	33	10	14	18	17	16	302	2.78
Tandem	53	40	58	67	41	64	82	35	78	72	44	51	685	6.31
4-Axle	2	3	7	7	3	5	6	0	1	1	1	0	36	0.33
5 Axle	179	225	362	193	183	228	251	66	144	135	168	174	2,308	21.25
6 Axle	212	280	508	198	175	161	247	106	261	165	140	134	2,587	23.82
A Train	97	84	140	92	96	125	121	52	111	80	81	82	1,161	10.69
B Train	28	28	6	0	0	4	3	1	0	0	8	17	95	0.87
C Train	0	1	1	0	0	0	0	0	1	0	0	0	3	0.03
Super B	443	482	644	387	123	235	196	131	265	187	324	232	3,649	33.60
Logging Truck	5	9	1	0	0	1	0	0	1	0	14	4	35	0.32
Total	1053	1187	1757	973	659	851	939	401	876	658	797	710	10,861	100.00

Source: Enterprise Weigh Scale Database.

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.

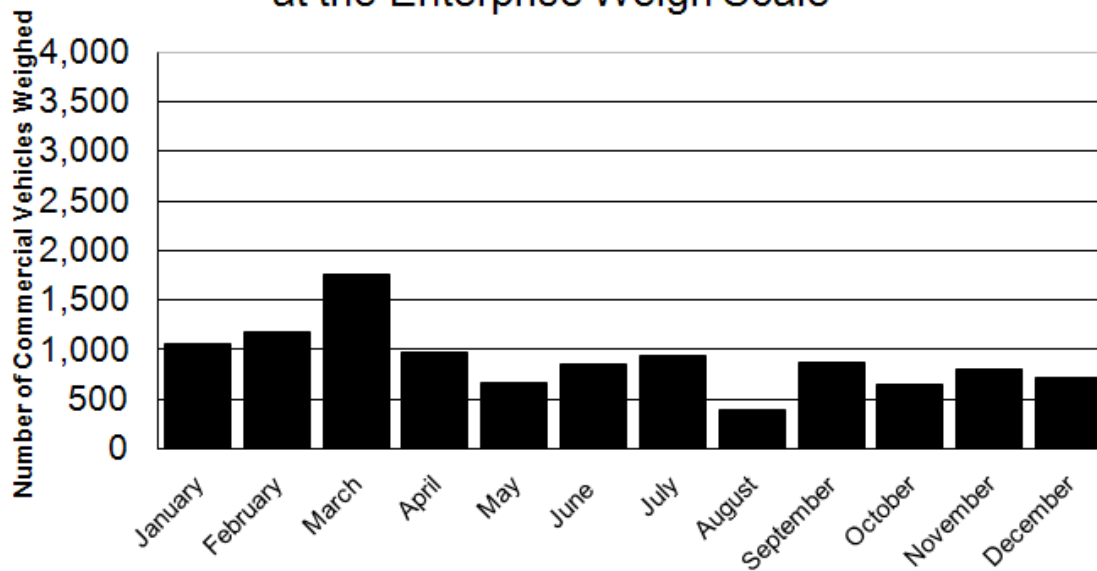
Unit Type	2007												12 Month Total	% of Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Single Axle	41	29	24	14	31	69	28	26	46	43	30	23	404	1.88
Tandem	473	566	624	249	282	322	260	264	572	326	313	218	4,469	20.82
4-Axle	2	11	16	8	5	10	5	3	0	3	3	3	69	0.32
5 Axle	3	35	37	12	3	7	6	0	0	1	0	0	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

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	2	0	44	0.25
5 Axle	387	561	812	206	209	245	165	188	351	312	231	210	3,877	21.77
6 Axle	428	703	994	197	147	238	163	202	221	223	187	163	3,866	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

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
2009	1,053	1,187	1,757	973	659	851	939	401	876	658	797	710	10,861
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

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
Overweight Permits Issued

2009														
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total	
Enterprise Weigh Scale	27	37	149	38	8	0	9	11	2	6	0	0	287	
Inuvik Weigh Scale	6	7	17	9	1	0	0	0	0	0	0	0	40	
24/7 Permitting Centre	0	11	0	36	47	33	87	54	97	58	183	164	770	
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mobile Inspection Office	8	7	0	0	0	0	0	0	0	0	0	0	15	
Hay River Regional Office	6	0	0	0	0	0	0	0	0	0	0	0	6	
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	47	62	166	83	56	33	96	65	99	64	183	164	1,118	
2008														
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total	
Enterprise Weigh Scale	61	141	201	54	16	46	121	85	89	99	75	40	1,028	
Inuvik Weigh Scale	4	10	12	11	10	6	4	6	31	0	0	0	94	
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	4	0	0	4	
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	65	151	213	65	26	52	125	91	120	103	75	40	1,126	
2007														
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total	
Enterprise Weigh Scale	29	67	104	42	4	16	45	31	32	38	41	13	462	
Inuvik Weigh Scale	19	16	8	5	0	0	5	8	4	8	2	3	78	
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fort Liard Weigh Scale	0	0	3	0	0	0	0	0	0	0	0	0	3	
Total	48	83	115	47	4	16	50	39	36	46	43	16	543	
2006														
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total	
Enterprise Weigh Scale	46	44	101	28	0	1	27	27	45	38	38	20	415	
Inuvik Weigh Scale	4	3	7	6	2	1	16	8	0	7	0	0	54	
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fort Liard Weigh Scale	0	5	0	0	0	0	13	2	0	6	0	0	26	
Total	50	52	108	34	2	2	56	37	45	51	38	20	495	
2005														
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total	
Enterprise Weigh Scale	45	66	138	32	7	30	37	29	49	64	47	15	559	
Inuvik Weigh Scale	1	10	27	7	2	8	6	3	7	4	0	1	76	
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fort Liard Weigh Scale	5	2	1	0	0	2	7	13	0	13	0	0	43	
Total	51	78	166	39	9	40	50	45	56	81	47	16	678	
2004														
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total	
Enterprise Weigh Scale	56	16	93	22	0	16	31	34	30	39	39	13	389	
Inuvik Weigh Scale	0	11	16	21	0	9	8	8	8	6	2	1	90	
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fort Liard Weigh Scale	1	14	12	0	0	0	0	8	1	0	2	0	38	
Total	57	41	121	43	0	25	39	50	39	45	43	14	517	

NOTE: Overweight and Overdimension permits are issued for a single trip. Prior to 2003, combination overweight and overdimension permits were counted as one overdimension permit only.

Figure 12
Overdimension Permits Issued

2009													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	126	267	476	79	12	1	16	21	6	7	0	0	1,011
Inuvik Weigh Scale	8	22	53	9	0	0	0	0	0	0	0	0	92
24/7 Permitting Centre	0	65	7	112	161	227	216	165	245	198	409	164	1,969
Inuvik Regional Office	1	2	0	0	0	0	0	0	0	0	0	0	3
Mobile Inspection Office	33	32	0	0	0	0	0	0	0	0	0	0	65
Hay River Regional Office	19	5	0	0	0	0	0	0	0	0	0	0	24
Fort Liard Weigh Scale													0
Total	187	393	536	200	173	228	232	186	251	205	409	164	3,164
2008													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	195	501	722	276	181	223	320	190	173	226	164	122	3,293
Inuvik Weigh Scale	8	35	47	21	16	9	10	7	39	4	0	0	196
24/7 Permitting Centre													0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	4	0	0	4
Mobile Inspection Office													0
Hay River Regional Office													0
Fort Liard Weigh Scale													0
Total	203	536	769	297	197	232	330	197	212	234	164	122	3,493
2007													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	179	408	566	187	144	145	181	125	144	145	95	76	2,395
Inuvik Weigh Scale	51	32	24	87	1	6	12	9	10	9	2	4	247
24/7 Permitting Centre													0
Inuvik Regional Office													0
Mobile Inspection Office													0
Hay River Regional Office													0
Fort Liard Weigh Scale	0	0	4	2	0	2	2	0	0	0	0	0	10
Total	230	440	594	276	145	153	195	134	154	154	97	80	2,652
2006													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	237	270	731	191	103	195	184	126	206	124	109	78	2,554
Inuvik Weigh Scale	10	6	15	12	2	11	23	11	2	9	0	0	101
24/7 Permitting Centre													0
Inuvik Regional Office	0	0	0	0	0	1	0	0	0	0	0	0	1
Mobile Inspection Office													0
Hay River Regional Office													0
Fort Liard Weigh Scale	13	7	0	0	0	11	23	2	1	4	11	8	80
Total	260	283	746	203	105	218	230	139	209	137	120	86	2,736
2005													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	229	355	737	201	89	241	204	113	242	232	164	92	2,899
Inuvik Weigh Scale	19	97	102	59	2	19	22	5	16	11	0	4	356
24/7 Permitting Centre													0
Inuvik Regional Office													0
Mobile Inspection Office													0
Hay River Regional Office													0
Fort Liard Weigh Scale	10	3	15	1	0	4	8	37	4	34	7	8	131
Total	258	455	854	261	91	264	234	155	262	277	171	104	3,386
2004													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	183	178	460	94	56	175	204	188	148	121	112	104	2,023
Inuvik Weigh Scale	30	41	70	118	0	16	23	21	29	11	5	2	366
24/7 Permitting Centre													0
Inuvik Regional Office													0
Mobile Inspection Office													0
Hay River Regional Office													0
Fort Liard Weigh Scale	6	28	22	22	1	0	3	32	1	1	3	0	119
Total	219	247	552	234	57	191	230	241	178	133	120	106	2,508

NOTE: Overweight and Overdimension permits are issued for a single trip. Prior to 2003, combination overweight and overdimension permits were counted as one overdimension permit only.

Figure 13
Registration Permits Issued (non-NWT Carriers)

2009													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	303	351	488	53	0	0	0	1	0	0	0	0	1,196
Inuvik Weigh Scale	17	33	40	5	0	0	0	0	0	0	0	0	95
24/7 Permitting Centre	27	215	6	192	270	431	357	415	520	361	291	297	3,382
Inuvik Regional Office	0	0	1	0	0	1	0	0	0	0	0	1	3
Mobile Inspection Office	16	77	0	0	0	0	0	0	0	0	0	0	93
Hay River Regional Office	16	0	0	0	0	0	0	0	0	0	0	0	16
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	379	676	535	250	270	432	357	416	520	361	291	298	4,785
2008													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	682	1,056	754	354	415	482	500	355	511	377	334	369	6,189
Inuvik Weigh Scale	43	48	120	52	6	42	21	41	54	12	2	25	466
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	1	0	0	0	0	0	1
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	725	1,104	874	406	421	524	522	396	565	389	336	394	6,656
2007													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	776	871	735	321	327	435	506	406	417	349	308	333	5,784
Inuvik Weigh Scale	60	52	46	55	3	45	32	55	52	37	0	28	465
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Liard Weigh Scale	1	3	4	2	0	7	15	1	0	0	0	0	33
Total	837	926	785	378	330	487	553	462	469	386	308	361	6,282
2006													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	473	1,007	761	295	293	320	372	350	437	258	266	345	5,177
Inuvik Weigh Scale	14	17	31	29	4	29	21	24	16	20	0	15	220
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	2	0	1	0	2	0	0	0	0	0	0	0	5
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Liard Weigh Scale	22	13	1	0	3	11	34	15	10	13	12	6	140
Total	511	1,037	794	324	302	360	427	389	463	291	278	366	5,542
2005													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	472	833	958	264	213	434	376	309	415	282	230	277	5,063
Inuvik Weigh Scale	31	43	45	63	1	36	24	32	33	17	1	13	339
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	1	0	0	0	0	0	0	0	0	1
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	6	0	0	0	0	0	2	0	0	0	0	8
Fort Liard Weigh Scale	22	21	17	2	0	10	13	25	14	48	6	11	189
Total	525	903	1,020	330	214	480	413	368	462	347	237	301	5,600
2004													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	284	653	499	163	179	231	286	358	285	212	147	202	3,499
Inuvik Weigh Scale	16	17	74	50	10	20	38	32	59	26	3	2	347
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	2	0	0	0	0	0	0	0	0	0	0	2
Fort Liard Weigh Scale	31	35	55	27	5	4	43	11	4	14	3	0	232
Total	331	707	628	240	194	255	367	401	348	252	153	204	4,080

NOTE: 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

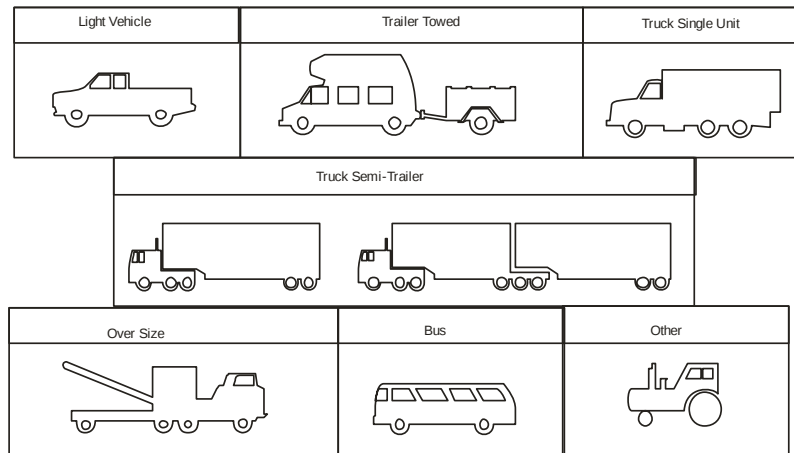
Figure 14
Fuel Tax Permits Issued

2009													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	167	210	443	32	0	3	2	1	0	0	0	0	858
Inuvik Weigh Scale	13	69	74	29	0	0	0	0	1	0	0	0	186
24/7 Permitting Centre	1	125	5	205	229	520	467	529	597	406	379	274	3,737
Inuvik Regional Office	4	1	0	0	0	0	0	0	0	0	0	0	5
Mobile Inspection Office	30	41	0	0	0	0	0	0	0	0	0	0	71
Hay River Regional Office	14	5	0	0	0	0	0	0	0	0	0	0	19
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	229	451	522	266	229	523	469	530	598	406	379	274	4,876
2008													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	700	1,104	1,010	384	430	588	501	327	392	280	187	152	6,055
Inuvik Weigh Scale	45	49	151	62	5	36	15	47	48	6	1	13	478
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	745	1,153	1,161	446	435	624	516	374	440	286	188	165	6,533
2007													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	620	785	880	253	283	458	505	402	379	318	262	299	5,444
Inuvik Weigh Scale	63	39	55	42	4	41	32	40	40	24	0	17	397
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	1	0	0	0	0	0	0	1
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Liard Weigh Scale	1	3	1	2	0	6	13	1	0	0	0	0	27
Total	684	827	936	297	287	506	550	443	419	342	262	316	5,869
2006													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	484	979	1,232	263	177	301	318	300	352	243	189	236	5,074
Inuvik Weigh Scale	16	23	48	18	3	25	17	20	20	22	0	10	222
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Liard Weigh Scale	17	4	1	0	1	5	36	6	6	12	9	1	98
Total	517	1,006	1,281	281	181	331	371	326	378	277	198	247	5,394
2005													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	388	779	1,407	276	166	402	416	350	421	293	195	167	5,260
Inuvik Weigh Scale	27	44	44	51	0	12	15	19	26	18	0	4	260
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	6	0	0	0	0	0	0	0	0	0	0	6
Fort Liard Weigh Scale	12	17	13	3	0	8	13	18	15	48	10	3	160
Total	427	846	1,464	330	166	422	444	387	462	359	205	174	5,686
2004													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	235	468	576	133	132	344	282	299	273	240	133	98	3,213
Inuvik Weigh Scale	7	11	45	45	6	11	23	18	49	11	0	11	237
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Liard Weigh Scale	23	49	70	22	4	3	46	8	3	9	2	0	239
Total	265	528	691	200	142	358	351	325	325	260	135	109	3,689

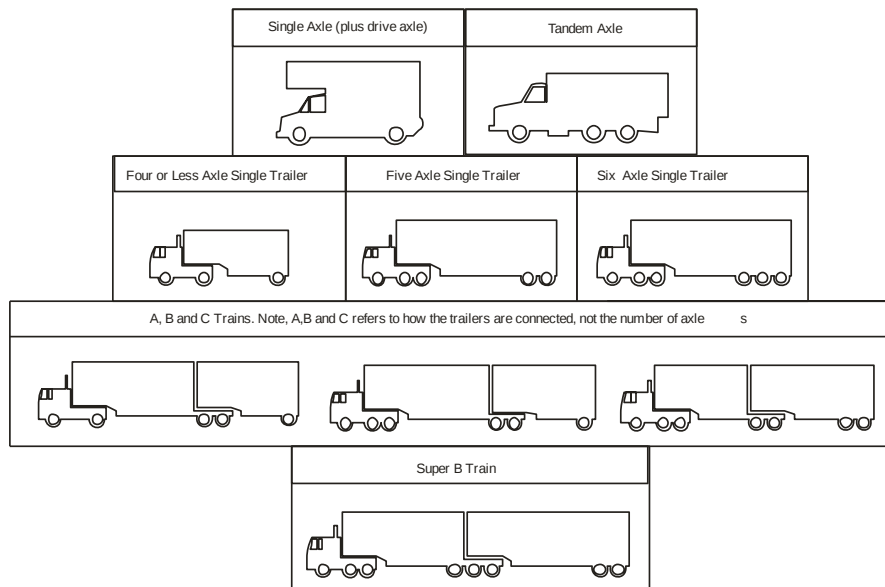
NOTE: Fuel Tax Permits are issued to all carriers transporting bulk fuel purchased outside the Northwest Territories

Figure 15
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 4.0

Short Term Traffic Count Data at Selected Locations

Figure 16 Short Term Traffic Counts – Highway #3 and #4

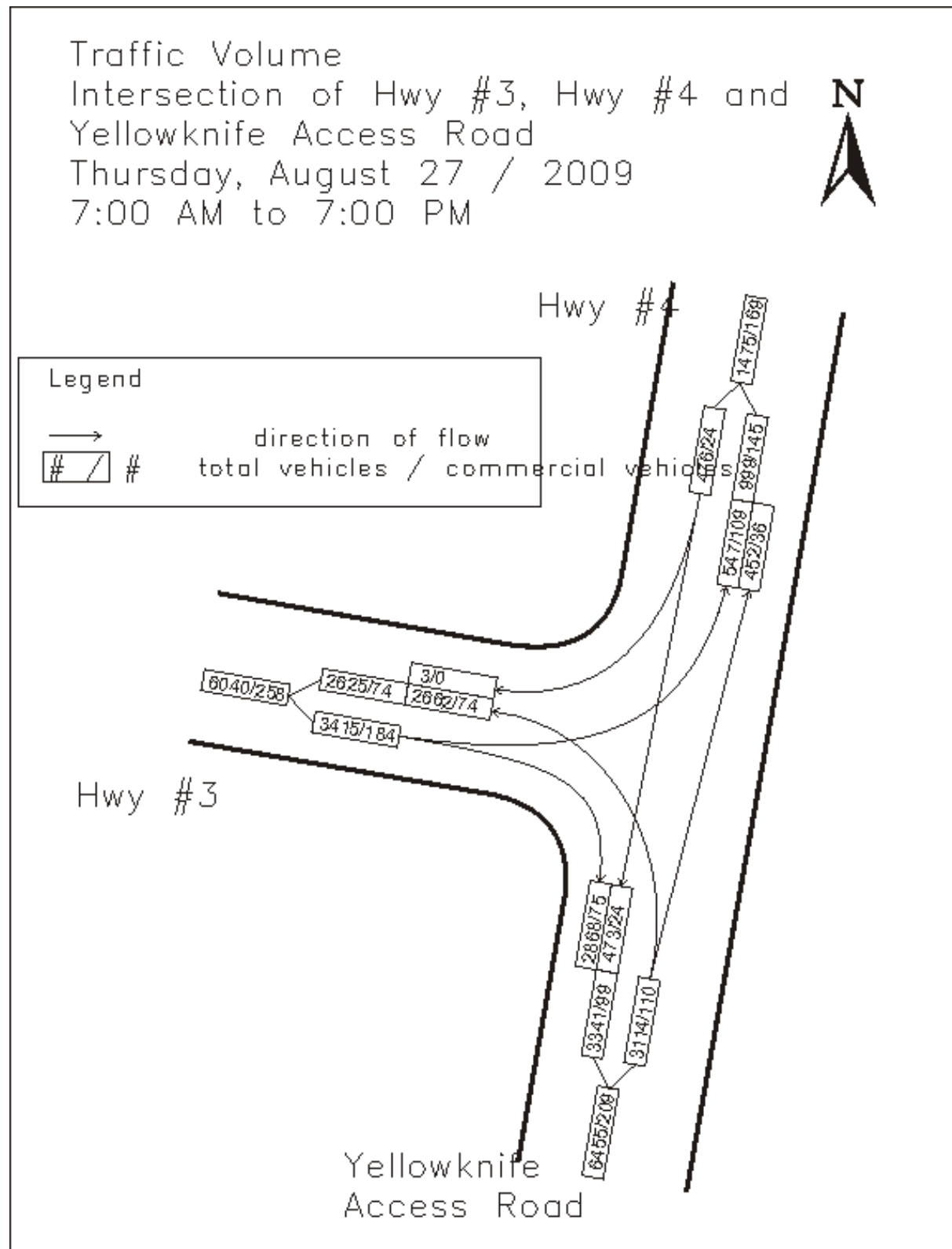


Figure 17 Short Term Traffic Counts – Highway #3 and Old Airport Road

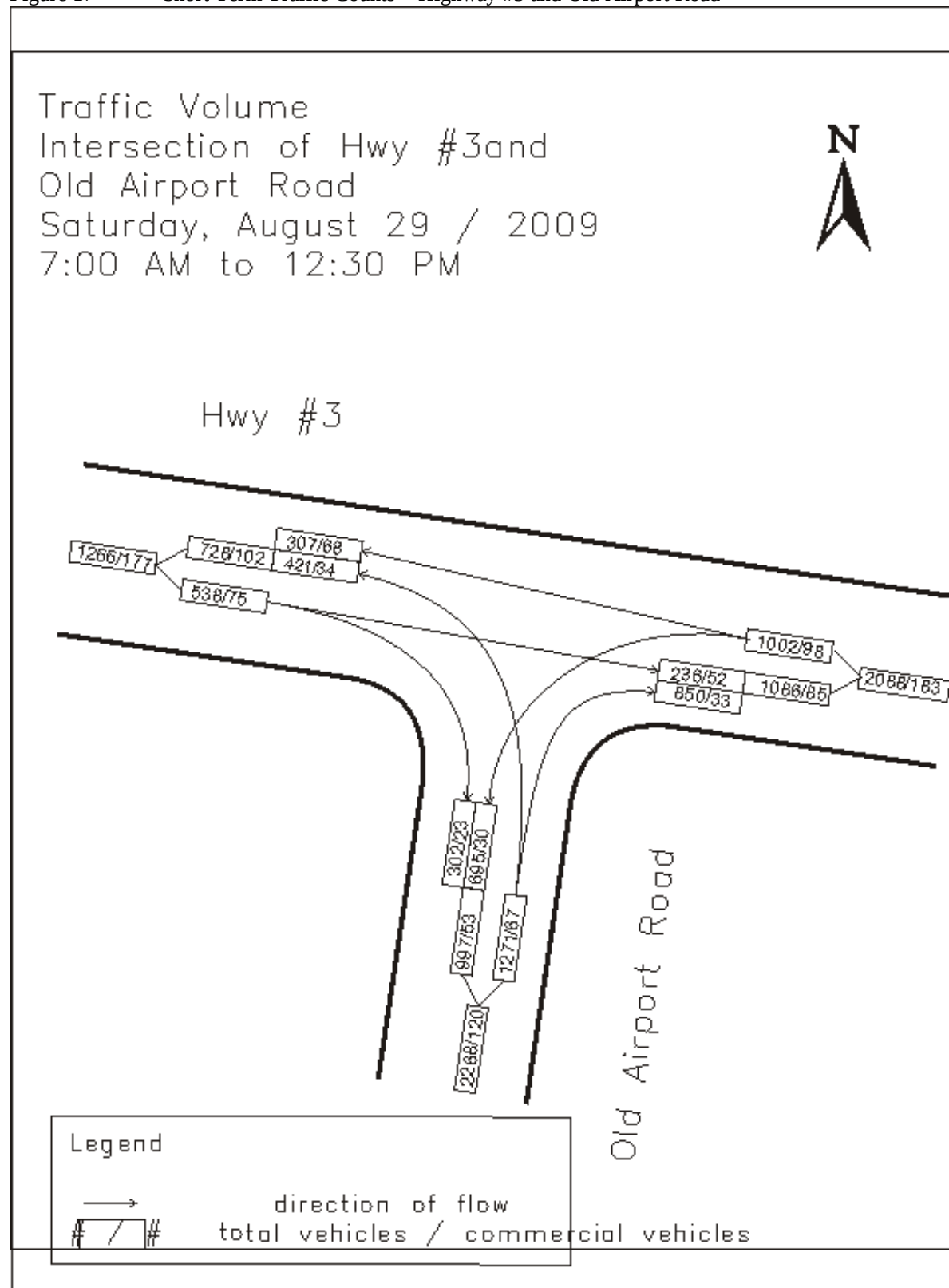
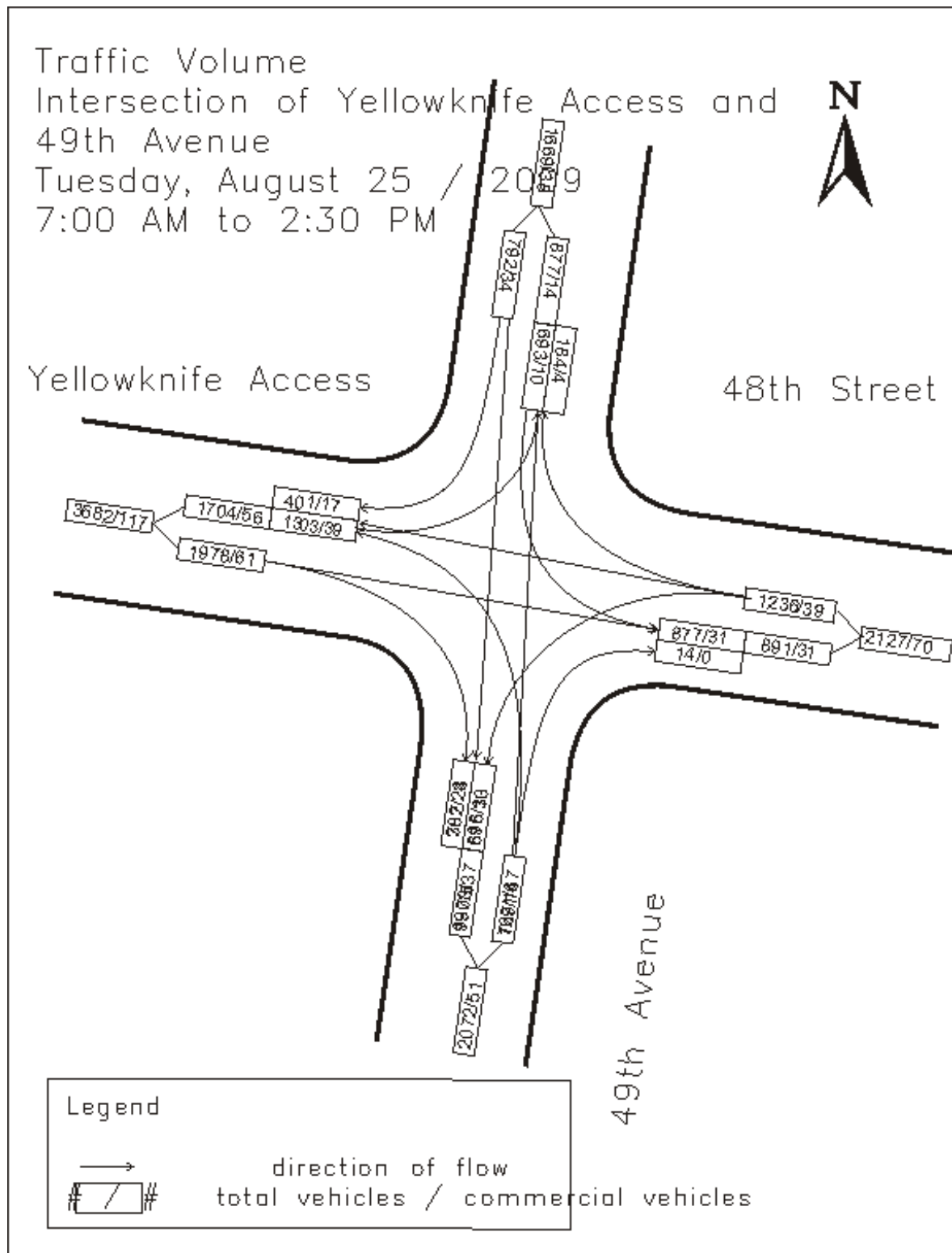


Figure 18 Short Term Traffic Counts – Yellowknife Access Road and 49th Avenue



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 2000 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 appear to be abnormally high or low 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.