

Northwest Territories
Highway Traffic, 2005



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Department of Transportation
Government of the Northwest Territories
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Acknowledgements

This report was prepared by the Planning and Policy Division of the Department of Transportation, Government of the Northwest Territories, in co-operation with: Highway Operations, Marine Services and Road Licensing & Safety Divisions.

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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 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 2005. 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 2005.

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

In 2005, the Department initiated a two-year replacement program for traffic counters within the system. The 2005 report represents a significant improvement in traffic data reliability over previous years. The Department expects to have finished updating the traffic data network in 2006.

Figure 1
Northwest Territories Permanent
and Seasonal Traffic Counter
Locations (2005)

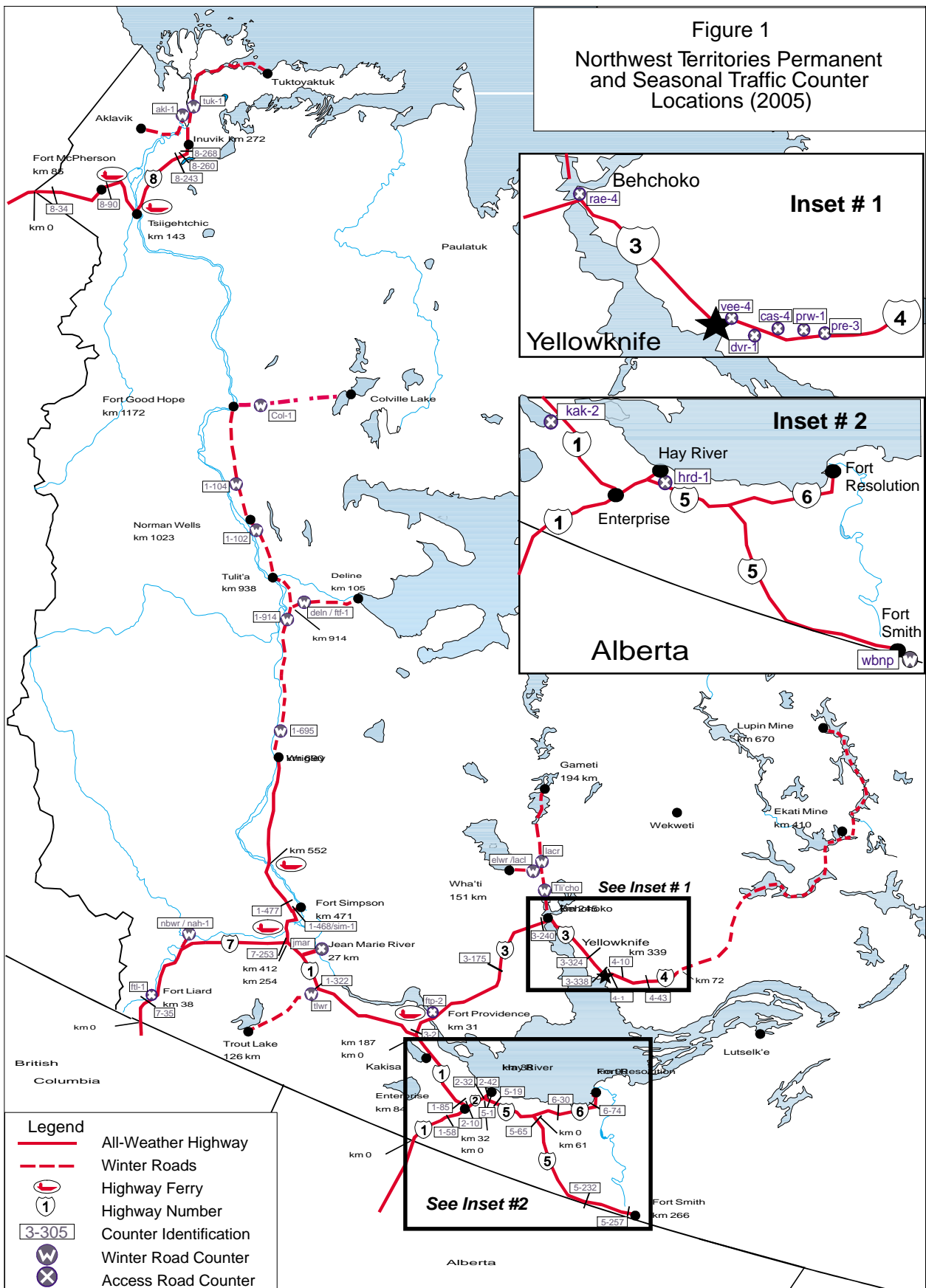


Table 1 Highway System Classification (2005)

Classification	Length (kilometres)					Total
	Paved	Dust- Controlled Gravel	Untreated Gravel	Ferry Crossing	Winter Road	

All-Weather Highways

Highway 1 (Mackenzie Highway to Wrigley)	246.4	162.5	278.6	2.5	-	690.0
Highway 2 (Hay River Highway)	43.7	-	-	-	-	43.7
Highway 3 (Yellowknife Highway)	324.6	-	12.6	1.6	-	338.8
Highway 4 (Ingraham Trail)	28.3	40.9	-	-	-	69.2
Highway 5 (Fort Smith Highway)	157.5	108.5	-	-	-	266.0
Highway 6 (Fort Resolution Highway)	38.0	24.0	28.0	-	-	90.0
Highway 7 (Liard Highway)	-	73.2	180.9	-	-	254.1
Highway 8 (Dempster Highway)	10.0	47.2	214.0	1.3	-	272.5
Total	848.5	456.3	714.1	5.4	0.0	2,024.3

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

Mackenzie Valley Winter Road (Hwy #1- Wrigley to FGH)	-	-	-	-	486.4	486.4
Colville Lake Winter Road (opened March 2001)	-	-	-	-	165.0	165.0
Highway 3 Ice Crossing	-	-	-	-	3.1	3.1
Trout Lake Winter Road	-	-	-	-	126.0	126.0
Deline Winter Road	-	-	-	-	105.3	105.3
Wha'ti Winter Road	-	-	-	-	103.0	103.0
Rae Lakes Winter Road	-	-	-	-	125.0	125.0
Nahanni Butte Winter Access Road	-	9.0	-	-	13.3	22.3
Inuvik to Tuktoyaktuk Ice Road	-	-	-	-	184.0	184.0
Aklavik Ice Road	-	-	-	-	85.0	85.0
Dettah Ice Road	-	-	-	-	6.3	6.3
Total	0.0	9.0	0.0	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	21 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 west of Highway 2 and 5, 1.5 km east 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
8-90	Highway 8	90	4.6 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			
1-695	Highway 1	695	1 km north of Wrigley on winter road
1-914	Highway 1	914	2 km south 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	0.5 km north of Norman Wells
akl-1	Aklavik	1	1 km west of junction with Tuktoyuktuk winter road
col-1	Colville Lake Winter Road	1	1 km east of junction with Mackenzie Valley winter road (Highway 1)
deln / ftf-1	Deline	1	1 km east of junction with Highway 1
elwr / lacl	Wha'ti	72	1 km west of junction with Gameti 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
tli'cho	Tli Cho Winter Road	1	1 km north of junction with Highway 3
tlwr	Trout Lake	1	1 km south of junction with Highway 1
tuk-1	Tuktoyuktuk	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 Procedures

The permanent traffic counters located throughout the Northwest Territories highway network collect traffic data on a continual basis. This data is stored to internal 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 and Policy Division.

Personnel with the Transportation Planning and Policy 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. Typically this result is multiplied by 365 days to reflect kilometres travelled in a year.

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.

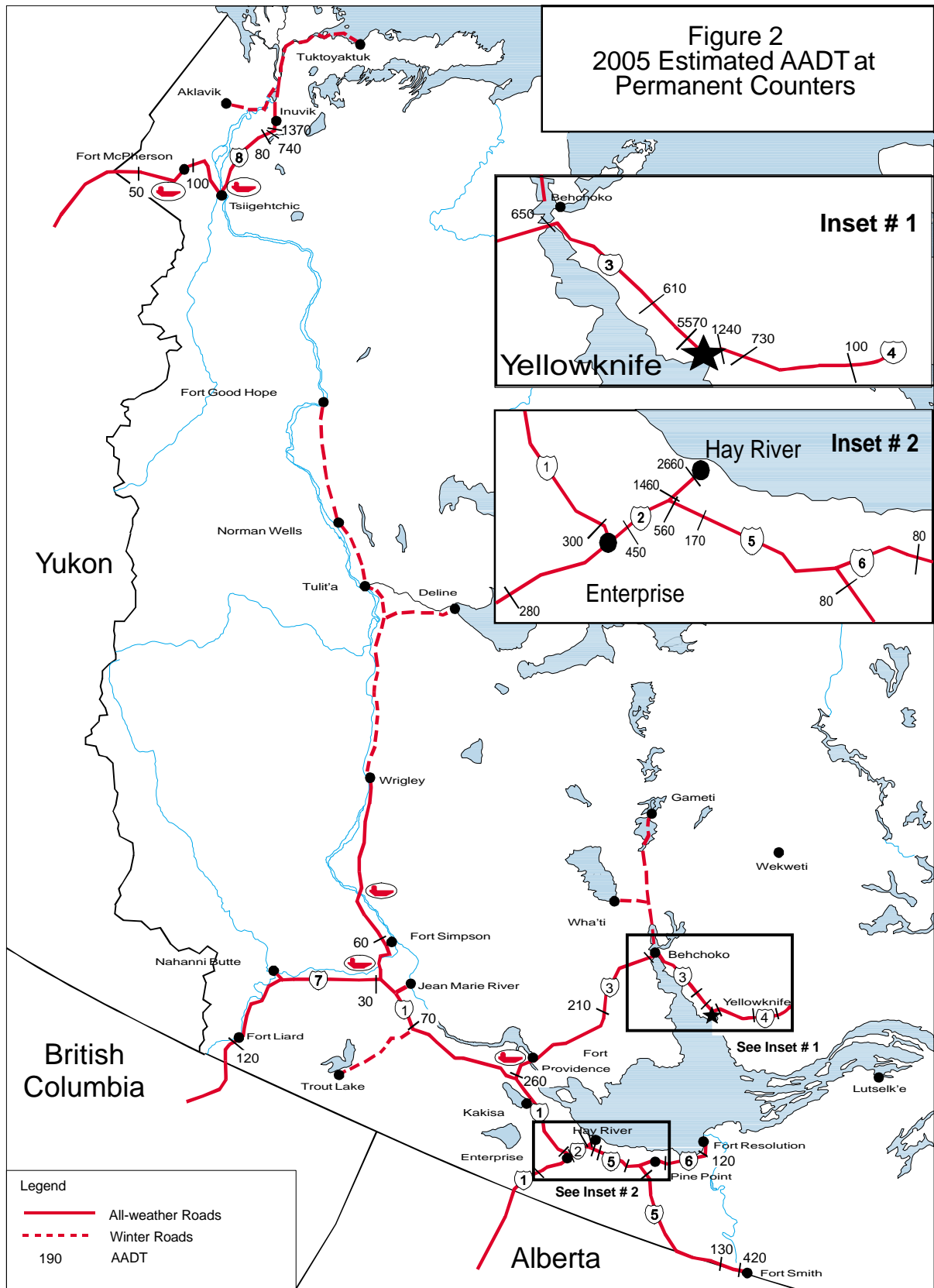
Section 2 presents the traffic information collected at all permanent counter locations and selected mining roads; including traffic volumes, distributions and vehicle kilometres travelled.

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

The Appendices present additional detailed traffic information.

Section 2.0

Highway Traffic Volume Data



Note: Some data in this figure has been estimated using information from past years.

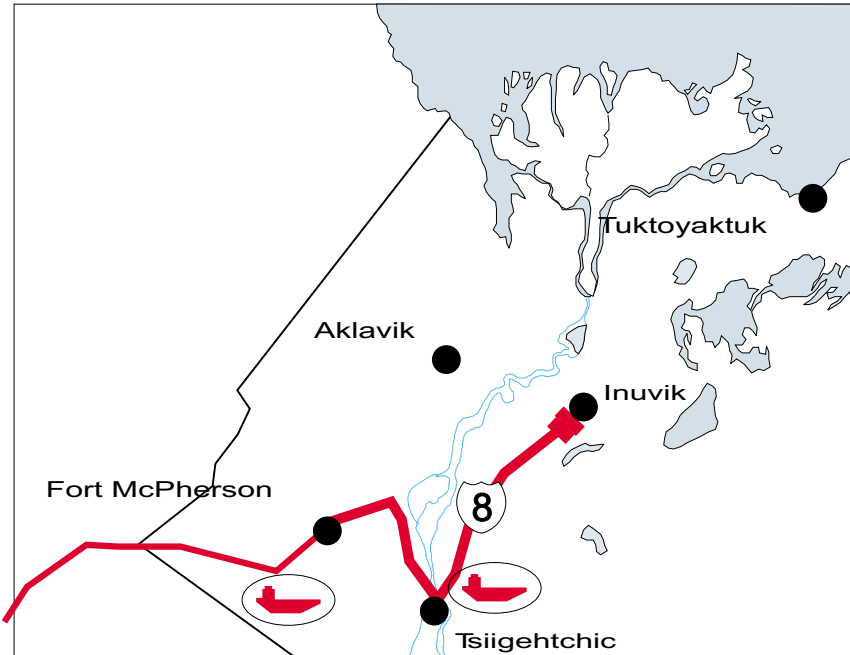


Figure 3
2005 AADT on
Highway Segments

Line Thickness	AADT
	0-49
	50-99
	100-199
	200-299
	300-399
	400-499
	500-999
	1000+

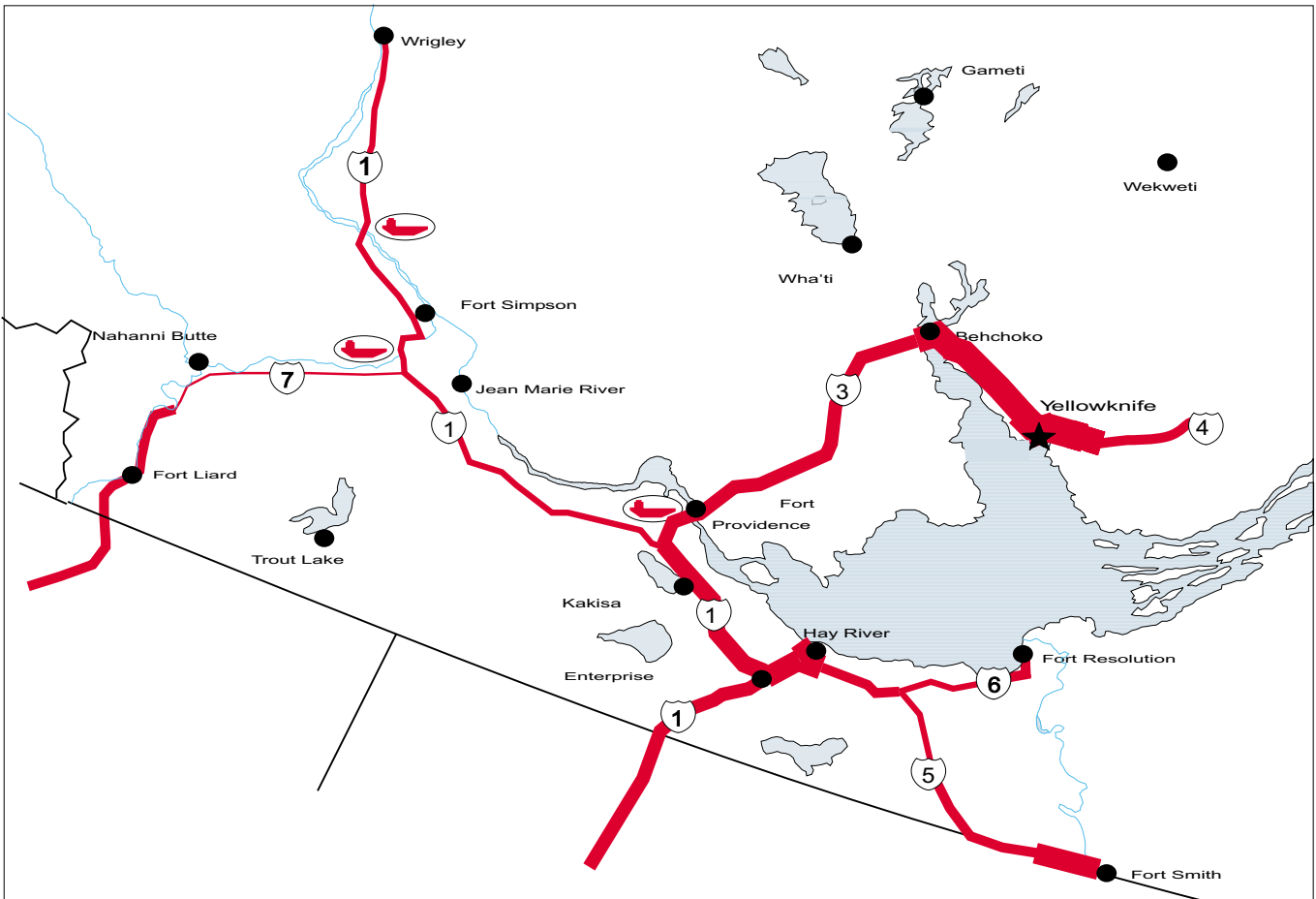


Table 3 Estimated Traffic on Northwest Territories Highways

Highway	Kilometre	Counter ID	Description	AADT						PSADT								
				2005	2004	2003	2002	2001	2000	1999	1998	2005	2004	2003	2002	2001	2000	1999
1	58	1-58	15 km south of Alexandra Falls															
1	85	1-85	1.2 km west of Enterprise	280	250	270	250	240	230	220	210	390	420	390	350	340	320	320
1	322	1-322	0.4 km west of Trout Lake winter road	300	270	60	60	60	60	60	50	420	400	320	320	320	330	330
1	477	1-477	5.2 km west of Fort Simpson Access on Highway 1	70	60	50	50	40	40	**	40	90	90	80	80	**	80	80
2	10	2-10	10 km north of Enterprise, south of Paradise Gardens	60	50	50	50	40	40	**	40	60	70	60	60	**	50	50
2	32	2-32	40 metres north of Highway 2 and 5 intersection	450	410	1390	1420	1340	1340	**	1340	550	1920	1860	1860	**	1760	1760
2	42	2-42	North of West Channel across bridge	2660	2530	2530	2590	2440	2420	2400	2450	3130	3200	3010	3010	3000	3050	3050
3	2	3-2	2 km north of Highway 1 and 3 intersection, south of ferry	260	250	250	240	220	200	190	200	350	330	290	290	280	280	280
3	175	3-175	53 km north of Chan Lake, 62 km south of Edzo	210	210	650	640	590	570	550	560	290	290	280	270	260	**	**
3	240	3-240	3 km south of Rae access, south of Frank's Channel	650	650	650	640	590	570	550	560	710	700	670	650	**	**	**
3 ¹	324	3-324	0.1 km west of km 324 marker	610	450	450	440	410	400	390	390	690	500	470	460	470	430	430
3	338	3-338	0.8 km west of Highway 3 and 4 intersection	5570	5570	5570	5460	5060	4980	5010	4890	6460	6330	6030	6030	6180	5740	5740
4	1	4-1	1 km north of Highway 3 and 4 intersection	1240	1240	1240	1240	1240	1230	1330	1460	1600	1600	1600	1600	1830	1850	1850
4	10	4-10	2.5 km east of Yellowknife River Bridge	730	730	730	730	730	720	**	**	950	950	950	950	**	**	**
4	43	4-43	11 km east of Prelude Lake East Access	100	100	100	100	100	100	**	100	130	130	130	140	**	130	130
5	1	5-1	1 km east of Highway 2 and 5 intersection	560	560	560	530	520	510	520	520	740	710	690	690	700	730	730
5	19	5-19	19 km east of Highway 2 and 5 intersection	170	170	170	160	160	170	170	170	230	230	220	220	210	220	220
5	65	5-65	5 km south of Highway 5 and 6 intersection	80	80	80	70	70	70	80	70	100	100	100	100	110	90	90
5	232	5-232	25 km west of Fort Smith	130	130	130	120	120	120	**	110	200	200	190	180	**	140	140
5	257	5-257	6.1 km west of Fort Smith	420	420	420	390	390	390	390	380	530	510	500	480	480	460	460
6	30	6-30	8.5 km east of Pine Point Access	80	80	80	80	80	80	80	80	90	100	100	100	90	90	90
6	74	6-74	16 km west of Fort Resolution	120	110	110	100	110	100	100	110	130	140	130	130	120	140	140
7	35	7-35	2.6 km south of Fort Liard	120	120	120	120	120	**	**	120	130	130	130	**	**	130	130
7	253	7-253	0.3 km south of Highway 1 and 7 intersection	30	30	30	30	30	30	30	30	40	40	40	50	50	50	50
8	34	8-34	10 km west of Midway Lake	50	50	50	50	40	40	40	40	90	100	90	90	100	90	90
8	90	8-90	4.6 km north of Fort McPherson Access	100	80	80	80	80	80	90	90	140	180	170	150	160	180	170
8	243	8-243	1 km south of Cabin Creek	80	80	80	80	70	80	80	80	130	130	130	120	120	130	130
8	260	8-260	0.7 km north of airport access	740	740	740	690	630	630	630	630	760	900	830	850	930	880	880
8	268	8-268	1.3 km south of Inuvik	1370	1270	1270	1210	1120	1120	1150	1150	1400	1640	1510	1500	1650	1560	1560

Note: ¹ Counter was moved to km 324 in October 2005 due to reconstruction. It was previously located at km 305.

** 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			
			1999	27	27	38	60	89	53				52	38	27	25		
			1998				28	64	77	101		80	55	32	29	23		86
			1997	23	21	21			94	79		90	37	15	21	20		89
			1996	18	23	25	23	49	84	109		90	43	31	24	24		95
			1995	26			24		77	109		76	54	31	23	24		87
			1994	15	19	17		49	68	109		87	48	37		24		89
			1993	16		20	21	46	61	81		94	44	29	20	20		79
Rae	4.2	rae-4	2004		693	667												
			1998				433											
			1997							543	593	542	568					589
			1996	283				580			686	673	582	373				686
			1995							553	614	621	644	581	389			588
			1994			194								681				
Dettah	1	dvr-1	2001	56	161			283	284	256		216					274	
			2000	48	34	54	95	261	310	211		278	290	277	235			266
			1999		44	53	292	277		245	270	289	293		246			266
			1998	73	65	57	31	121	156	134		121			259	212		139
			1997									126	98	241	252	186		127
			1996								237	211	252	258	262			231
			1995	48	42	44	118		260	215	212	250	240	217				227
			1994			52	130		269	228	228	252	248	228	125			254
1993	48	43	55	212	223	210	198		190	211	222	248			199			
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										
			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			70
			1997						86	65	63	41	33					71
			1996						100	67	58	37	25	38				69
			1995							71	51	52	26	41				61
1994							90	84	56	47	33				76			
1993					76	85	72	59	46	32	28	28			73			
Cassidy Point	4	cas-4	1998								96	54	46	35			97	
			1997							57	50	36	36				55	
			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			97			
Prelude Lake West	1	prw-1	1998						193	238	139	78	57				238	
			1997						290	290	253	141	64				280	
			1996						331	256	243	127	90	101			264	
			1995									83	50				305	
			1994															
1993							239		117	85	63				232			
Prelude Lake East	3	pre-3	2000						306								306	
			1999					283	307	261							284	
			1998															
			1997						5	88	83	74	59				86	
			1996						116	83	76	78	62	58			86	
			1995								68	65	48	29			68	
1994								85	71	64	54			76				
1993					93	91	86		82	72				88				
Hay River Dene Village	1	hrd-1	2005									546	378					
			2004	84	86	83	178	479										
			2001			36	404		287			623	469	121	441			455
			2000	14	37	52	304	416	453	400		421	469					427
			1999	32	37	126	357			356	399	425		167		33		405
			1998	62	40	48	267							420	301	45		
			1997	29	33	42								366	375	396		378
			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			420
			1994	26	31	75	302							46	39			
			1993	28	27	137	376		411	356	365	333	344	234	50			

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				
Fort Providence	2	ftp-2	2005		362	464	133		43	415	387	333		201	180		378		
			2004	255	298														472
			2003	260	269	264			396	353	515	551							457
			2002	277	243	248						457	375	334	279	289			347
			2001			208					324	352	365	336	207				241
			2000	315	421	270	219	299	259	254	210	194	200	139	119				201
			1999	316	423	259	309	662	239	205	176	170	154	149					468
			1998	249	276	271	397	315				309	328	254	49				446
			1997			213			465	439	488	337	271						424
			1996	211	227	242	297	360	421	419	501	397	307	331	247				348
			1995	200	228	226	273	357	368	426	477	303	262	244					477
			1994	197	192	246	281	381	449	512	383	315	243	222	230				477
			1993	183	99	188	334	404	444	531	456	295	275	233	227				
Fort Liard	1	ftl-1	1998			242	175	207	332	405	326	249					355		
			1997	166	218	211	238					132	89					219	
			1996		195	210				252	197	193	156			142		254	
			1995	172	366	339	213	220	209	255	297	220	172	135	134			232	
			1994	150	161	197	169	206			231	190	199	162	172			202	
			1993	155	165	166	170	180	204	211	193	180	171	162	146				
Fort Simpson	1	sim-1	2005			1289	1302				1292	1493	1313	1202	1107	1041	1393		
			2003				430						269	354				911	
			2001				1110					911							
			2000	961	991	1093	1110												
			1999	960	989	1076	1114	891											
			1998										1235	1128	976	1007			
			1997	478	895	866			1100	1215	1143	1208	978	1054	867	773		1176	
Jean Marie River	1	jmar	2005							24	23	33	23			24			
			2003			34	36												
			2001									19	27	81					
			2000				16	22	30	23	17						24		
			1999																
			1998	12	18	18	14	14	62		89	70	49				84		
1997	14	13												17					

Note: Blanks indicate insufficient data to calculate monthly ADT.

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

Winter Road	Location (km)	Counter ID	Year	Opening Date	Closing Date	Monthly Average Daily Traffic						ADT		
						Dec	Jan	Feb	March	April	May			
Aklavik	1	aki-1	1996	Dec 19 / 95	Apr 26 / 96			32	49	43			41	
			1995	Dec 23 / 94	Apr 24 / 95									
			1994	Jan 18 / 94	Apr 28 / 94									
			1993	Dec 15 / 92	May 2 / 93			53	61	70	32			54
Colville Lake	1	col-1	2006	Jan 13 / 06	Mar 22 / 06		4	14	17				14	
			2005	Dec 13 / 04	Mar 31 / 05			54	54					54
Deline / Fort Franklin	1	deln	2006	Jan 25 / 06	Mar 22 / 06		54	49	39				45	
			1998	Feb 3 / 98	Mar 16 / 98		13	15					15	
			1997	Feb 4 / 97	Mar 17 / 97		110	73	46				76	
	1	fff-1	1996	Jan 18 / 96	Mar 20 / 96									
			1995	Jan 20 / 95	Mar 26 / 95			39	35				37	
			1994	Jan 25 / 94	Mar 30 / 94		42	19	30				30	
1993				16	23	35	21				23			
Dettah Ice Road	at entrance (Yellowknife Side)	dettah	2006	Dec 20 / 05	Apr 16 / 06	686	644	712	814	764			726	
			2005	Dec 10 / 04	Apr 11 / 05	652	624	829	973					791
Gameti	72	lacr	1997	Feb 7 / 97	Mar 25 / 97		78	170	152				133	
			1996	Feb 2 / 96	Mar 20 / 96									
			1995	Jan 13 / 95	Mar 22 / 95									
Highway No. 1	695	1-695	2006	Dec 19 / 05	Apr 7 / 06		53	74	85				76	
			2005	Dec 13 / 04	Mar 31 / 05		39	49	51					49
Highway No. 1	914	1-914	2006	Dec 19 / 05	Apr 7 / 06		44	50	45				47	
			2005	Jan 04 / 05	Mar 31 / 05		21	70	64					63
			1998	Feb 6 / 98	Mar 16 / 98		10	7						8
			1997	Feb 14 / 97	Mar 17 / 97			7	34	17				19
			1996	Jan 26 / 96	Mar 20 / 96									
			1995	Jan 12 / 95	Mar 19 / 95			29	35					32
			1994	Dec 23 / 93	Mar 29 / 94		12	20	23					19
			1993	Jan 11 / 93	Mar 26 / 93			27	27					27
Highway No. 1	1022	1-102	2006	Dec 19 / 05	Apr 7 / 06		98	68	77				74	
			2005	Jan 04 / 05	Mar 31 / 05		51	70	86					80
			1999	Dec 31 / 98	Mar 16 / 99			33						33
			1998	Jan 23 / 98	Mar 16 / 98			107	139					112
			1997	Jan 14 / 97	Mar 17 / 97			9	10					10
			1996	Jan 8 / 96	Mar 20 / 96									
			1995	Jan 18 / 95	Mar 26 / 95									
			1994	Dec 29 / 93	Mar 30 / 94		40	49	55					48
			1993	Jan 14 / 93	Mar 29 / 93		16	19	18	4				14
			Highway No. 1	1031	1-104	2006	Dec 29 / 06	Apr 7 / 06			55	52		
1998	Jan 14 / 98	Mar 16 / 98					14	10	10	9			10	
1997	Jan 14 / 97	Mar 17 / 97						66	42				54	
1996	Jan 8 / 96	Mar 20 / 96												
1995	Jan 19 / 95	Mar 26 / 95												
1994	Dec 29 / 93	Mar 31 / 94					19	20	24					21
Nahanni Butte	2	nbwr	1997	Dec 9 / 96	Apr 17 / 97		23	40	69	13			36	
			1996	Dec 1 / 95	Mar 25 / 96		11	10	19				13	
			1995	Dec 01 / 94	Mar 26 / 95		10	17	39				22	
			1994	Dec 18 / 93	Mar 28 / 94			20	18				19	
1993	Dec 15 / 92	Mar 27 / 93			13	12					12			
Tibbitt to Contwoyto	0.3	lupin	2006	Feb 1 / 06	Mar 23 / 06			167	243				201	
Tli'Cho	0.1	tli'cho	2006	Feb 7 / 06	Apr 16 / 06			71	77				74	
Trout Lake	1	tlwr	2002	Jan 14 / 02	Mar 18 / 02			6	7					7
			2001	Dec 18 / 00	Mar 15 / 01									
			2000	Jan 11 / 00	Mar 15 / 00									
			1999	Dec 21 / 98	Mar 16 / 99			9	7	9				8
			1998	Jan 20 / 98	Mar 16 / 98					5				5
			1997	Jan 11 / 97	Mar 17 / 97					5	9			7
			1996	Jan 20 / 96	Mar 15 / 96			4	6	11	9			8
			1995	Dec 22 / 94	Mar 22 / 95					8				8
			1994	Jan 18 / 94	Mar 31 / 94									
			1993	Dec 24 / 92	Mar 24 / 93			8	10	12				
Tuktoyaktuk	1	tuk-1	1997	Dec 20 / 96	Apr 25 / 97		30	44	61				45	
			1996	Dec 19 / 95	Apr 19 / 96									
			1995	Dec 22 / 94	Apr 24 / 95				74					74
			1994	Jan 05 / 94	Apr 28 / 94									
			1993	Dec 18 / 92	May 2 / 93		32	83	108	101				81
Wha'ti	72	elwr	1997	Jan 20 / 97	Mar 25 / 97		31	45	64				47	
			1996	Jan 15 / 96	Mar 20 / 96									
			1995	Jan 13 / 95	Mar 29 / 95									
			1994	Feb 18 / 94	Apr 18 / 94									
			1993	Jan 27 / 93	April 2 / 93					16	14			15
Wood Buffalo National Park		wbnp	2004						29	25				27
			2000					7	15	17				13
			1997					16	20	20	8			16
			1996						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

Year	Winter Roads				Ice Bridges				Mining Roads									
	Fl. Simpson - Wrigley (Hwy #1)	Wrigley - Tulika (Hwy #1)	Tulika - Norman Wells (Hwy #1)	Norman Wells - Ft. Good Hope (Hwy #1)	Deline Access	Trout Lake Access	Nahanni Butte Access	Jean-Marie River Access	Whta TI Access	Gannell Access	Dehann Access	Tukoyakuk Access	Almkv Access	Mackenzie River Crossing at Fort Simpson	Mackenzie River Crossing at Tsilghectic	Peel River Crossing	Mackenzie River Crossing at Camsell Bend	Lupin Mine
1983/84	Open	13-Jan	13-Jan	13-Jan	16-Jan	18-Jan	16-Jan	6-Dec	4-Jan	16-Jan	13-Dec	16-Jan	22-Dec	3-Dec	18-Nov	10-Nov	12-Jan	Open
	Closed	13-Apr	4-Apr	4-Apr	4-Apr	31-Mar	31-Mar	31-Mar	31-Mar	31-Mar	13-Apr	13-Apr	2-May	12-Apr	8-May	8-May	13-Apr	Closed
1984/85	Open	27-Dec	15-Jan	15-Jan	15-Jan	20-Jan	20-Jan	9-Nov	18-Dec	14-Jan	20-Nov	11-Dec	24-Dec	19-Nov	15-Nov	7-Nov	27-Dec	Open
	Closed	20-Mar	20-Mar	20-Mar	20-Mar	20-Mar	20-Mar	20-Mar	20-Mar	20-Mar	20-Mar	1-May	4-May	22-Apr	11-May	11-May	20-Mar	Closed
1985/86	Open	18-Dec	25-Jan	23-Dec	3-Apr	6-Jan	30-Dec	6-Nov	18-Dec	11-Jan	28-Nov	12-Dec	12-Dec	13-Dec	14-Nov	10-Nov	18-Dec	Open
	Closed	3-Apr	3-Apr	3-Apr	3-Apr	3-Apr	3-Apr	3-Apr	3-Apr	2-Apr	28-Apr	2-May	2-May	15-Apr	9-May	10-May	3-Apr	Closed
1986/87	Open	17-Dec	13-Jan	19-Jan	9-Jan	10-Dec	18-Nov	18-Nov	20-Dec	12-Jan	21-Nov	5-Jan	5-Jan	17-Dec	25-Nov	4-Nov	17-Dec	Open
	Closed	1-Apr	25-Mar	26-Mar	30-Mar	30-Mar	30-Mar	30-Mar	31-Mar	31-Mar	15-Apr	8-May	7-May	16-Apr	9-May	9-May	21-Apr	Closed
1987/88	Open	21-Dec	11-Jan	8-Jan	5-Apr	5-Apr	6-Jan	25-Nov	15-Jan	8-Feb	18-Dec	15-Feb	17-Feb	30-Dec	29-Nov	16-Dec	21-Dec	Open
	Closed	14-Apr	28-Mar	5-Apr	5-Apr	7-Apr	7-Apr	7-Apr	7-Apr	5-Apr	15-Apr	3-May	3-May	16-Apr	11-May	12-May	14-Apr	Closed
1988/89	Open	15-Dec	16-Jan	16-Jan	10-Jan	10-Jan	16-Dec	16-Dec	23-Jan	3-Feb	19-Dec	7-Feb	18-Jan	21-Dec	8-Dec	15-Nov	15-Dec	Open
	Closed	14-Apr	5-Apr	10-Apr	10-Apr	7-Apr	7-Apr	7-Apr	7-Apr	5-Apr	14-Apr	14-Apr	3-May	15-Apr	14-Apr	29-Apr	14-Apr	Closed
1989/90	Open	12-Dec	15-Jan	16-Dec	15-Jan	12-Jan	21-Dec	28-Nov	19-Jan	2-Feb	13-Dec	3-Jan	23-Dec	12-Dec	1-Nov	18-Dec	20-Nov	Open
	Closed	10-Apr	30-Mar	5-Apr	5-Apr	4-Apr	4-Apr	4-Apr	4-Apr	8-Apr	12-Apr	25-Apr	25-Apr	19-Apr	13-Apr	7-May	10-Apr	Closed
1990/91	Open	12-Dec	8-Jan	8-Jan	2-Jan	7-Feb	17-Dec	20-Nov	16-Jan	22-Jan	4-Dec	23-Dec	21-Dec	28-Nov	1-Nov	24-Nov	16-Nov	Open
	Closed	13-Apr	31-Mar	8-Apr	8-Apr	4-Apr	4-Apr	4-Apr	8-Apr	8-Apr	12-Apr	25-Apr	25-Apr	19-Apr	13-Apr	7-May	8-May	Closed
1991/92	Open	2-Dec	20-Dec	20-Dec	20-Dec	10-Jan	9-Dec	13-Nov	15-Jan	24-Jan	9-Dec	5-Dec	9-Dec	12-Dec	9-Nov	20-Nov	13-Nov	Open
	Closed	27-Apr	25-Mar	4-Apr	25-Mar	24-Mar	24-Mar	27-Mar	7-Apr	7-Apr	23-Apr	26-Apr	26-Apr	25-Apr	26-Apr	30-Apr	27-Apr	Closed
1992/93	Open	9-Dec	11-Jan	14-Jan	29-Mar	29-Mar	24-Dec	4-Nov	27-Jan	19-Feb	18-Dec	2-Apr	18-Dec	22-Dec	2-Dec	23-Nov	6-Nov	Open
	Closed	20-Apr	26-Mar	29-Mar	29-Mar	29-Mar	24-Mar	27-Mar	2-Apr	2-Apr	2-Apr	30-Apr	2-May	14-Apr	20-Apr	12-May	20-Apr	Closed
1993/94	Open	11-Dec	23-Dec	29-Dec	29-Dec	18-Jan	18-Dec	1-Dec	18-Feb	8-Feb	8-Dec	5-Jan	2-Jan	20-Dec	14-Dec	24-Nov	20-Nov	Open
	Closed	12-Apr	29-Mar	30-Mar	31-Mar	31-Mar	31-Mar	3-Apr	3-Apr	18-Apr	18-Apr	28-Apr	28-Apr	23-Apr	23-Apr	5-May	11-May	Closed
1994/95	Open	12-Jan	18-Jan	19-Jan	19-Jan	20-Jan	22-Dec	1-Dec	10-Nov	13-Jan	13-Dec	28-Dec	23-Dec	4-Dec	23-Nov	25-Nov	21-Nov	Open
	Closed	19-Mar	26-Mar	26-Mar	26-Mar	26-Mar	22-Mar	22-Mar	22-Mar	22-Mar	21-Apr	24-Apr	24-Apr	25-Apr	26-Apr	2-May	2-May	Closed
1995/96	Open	26-Jan	8-Jan	8-Jan	8-Jan	20-Mar	20-Mar	20-Mar	20-Mar	15-Jan	2-Feb	29-Nov	19-Dec	4-Dec	16-Nov	30-Nov	30-Nov	Open
	Closed	20-Mar	20-Mar	20-Mar	20-Mar	20-Mar	26-Mar	26-Mar	26-Mar	20-Mar	17-Apr	19-Apr	26-Apr	12-Apr	23-Apr	28-Apr	28-Apr	Closed
1996/97	Open	14-Feb	14-Jan	14-Jan	14-Jan	17-Mar	17-Mar	11-Apr	22-Oct	20-Jan	7-Feb	12-Dec	20-Dec	9-Dec	14-Nov	19-Nov	12-Nov	Open
	Closed	17-Mar	17-Mar	17-Mar	17-Mar	17-Mar	17-Mar	11-Apr	22-Oct	25-Mar	25-Mar	18-Apr	25-Apr	22-Apr	18-Apr	10-May	10-May	Closed
1997/98	Open	6-Feb	23-Jan	14-Jan	14-Jan	16-Mar	16-Mar	16-Mar	16-Mar	3-Feb	7-Feb	18-Dec	2-Jan	9-Jan	27-Nov	1-Dec	12-Jan	Open
	Closed	16-Mar	13-Mar	16-Mar	16-Mar	16-Mar	16-Mar	16-Mar	16-Mar	9-Apr	9-Apr	16-Apr	16-Apr	16-Apr	17-Apr	17-May	2-May	Closed
1998/99	Open	1-Feb	31-Dec	7-Jan	7-Jan	21-Jan	21-Dec	21-Dec	21-Dec	8-Feb	31-Dec	16-Dec	14-Dec	25-Dec	25-Nov	20-Nov	16-Nov	Open
	Closed	16-Mar	16-Mar	15-Mar	15-Mar	16-Mar	16-Mar	16-Mar	16-Mar	7-Apr	1-Apr	9-Apr	21-Apr	16-Apr	12-Apr	20-Apr	20-Apr	Closed
1999/00	Open	3-Feb	11-Jan	24-Dec	15-Mar	15-Mar	13-Dec	6-Dec	1-Feb	14-Feb	11-Jan	14-Dec	17-Apr	6-Jan	3-Dec	15-Nov	5-Nov	Open
	Closed	15-Mar	15-Mar	15-Mar	15-Mar	15-Mar	15-Mar	6-Dec	15-Mar	12-Apr	20-Apr	17-Apr	17-Apr	20-Apr	22-Apr	5-May	5-May	Closed
2000/01	Open	19-Jan	15-Jan	8-Jan	8-Jan	23-Feb	20-Jan	18-Dec	6-Dec	20-Feb	10-Mar	21-Dec	24-Jan	21-Dec	21-Nov	16-Nov	20-Nov	Open
	Closed	15-Mar	5-Apr	31-Mar	5-Apr	5-Apr	15-Mar	15-Mar	6-Dec	14-Apr	14-Apr	12-Apr	9-May	15-Apr	21-Apr	6-May	6-May	Closed
2001/02	Open	20-Dec	10-Jan	11-Jan	9-Jan	18-Jan	18-Jan	18-Mar	14-Dec	24-Jan	21-Dec	2-Dec	31-Dec	24-Jan	2-Dec	20-Nov	9-Nov	Open
	Closed	18-Mar	18-Mar	18-Mar	18-Mar	18-Mar	18-Mar	18-Mar	14-Dec	25-Apr	25-Apr	30-Apr	2-May	23-Apr	1-May	9-May	9-May	Closed
2002/03	Open	22-Jan	20-Jan	20-Jan	20-Jan	27-Jan	18-Dec	18-Dec	18-Dec	17-Jan	17-Jan	17-Dec	17-Jan	13-Jan	22-Nov	21-Nov	21-Nov	Open
	Closed	18-Mar	10-Apr	10-Apr	10-Apr	10-Apr	10-Apr	18-Mar	18-Mar	17-Apr	17-Apr	26-Apr	26-Apr	18-Apr	19-Apr	13-May	11-May	Closed
2003/04	Open	19-Dec	29-Dec	19-Dec	19-Dec	23-Jan	12-Dec	16-Dec	16-Dec	13-Feb	9-Mar	19-Dec	23-Dec	9-Dec	26-Nov	20-Nov	14-Nov	Open
	Closed	16-Mar	16-Mar	31-Mar	31-Mar	31-Mar	16-Mar	16-Mar	16-Mar	22-Apr	22-Apr	27-Apr	26-Apr	13-Apr	22-Apr	1-May	1-May	Closed
2004/05	Open	13-Dec	4-Jan	13-Dec	13-Dec	21-Jan	21-Jan	21-Jan	13-Dec	10-Dec	7-Dec	7-Dec	6-Dec	6-Dec	29-Nov	12-Nov	31-Oct	Open
	Closed	1-Apr	1-Apr	1-Apr	1-Apr	1-Apr	1-Apr	15-Mar	15-Mar	13-Apr	13-Apr	11-Apr	27-Apr	19-Apr	22-Apr	4-May	3-May	Closed
2005/06	Open	19-Dec	19-Dec	29-Dec	13-Jan	25-Jan	22-Dec	8-Dec	7-Feb	16-Mar	16-Mar	20-Dec	9-Jan	13-Jan	25-Nov	1-Dec	17-Nov	Open
	Closed	7-Apr	7-Apr	7-Apr	22-Mar	22-Mar	22-Mar	22-Mar	16-Apr	16-Apr	16-Apr	9-May	8-May	18-Apr	22-Apr	9-May	15-May	Closed

Last 20 years average

Open	11-Jan	7-Jan	7-Jan	23-Jan	2-Jan	15-Dec	24-Jan	9-Feb	14-Dec	16-Apr	26-Dec	4-Jan	22-Dec	25-Nov	25-Nov	15-Nov	15-Dec	Open
Closed	23-Mar	28-Mar	27-Mar	27-Mar	23-Mar	24-Mar	7-Apr	8-Apr	8-Apr	16-Apr	16-Apr	27-Apr	28-Apr	18-Apr	21-Apr	5-May	5-May	Closed

Last 5 years average

Open	25-Dec	4-Jan	31-Dec	2-Jan	23-Jan	28-Dec	14-Dec	29-Jan	20-Feb	14-Dec	17-Dec	30-Dec	1-Jan	27-Nov	21-Nov	12-Nov	14-Dec	Open
Closed	24-Mar	29-Mar	1-Apr	29-Mar	26-Mar	18-Mar	18-Mar	19-Apr	19-Apr	19-Apr	30-Apr	30-Apr	18-Apr	24-Apr	7-May	7-May	23-Apr	Closed

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
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		14,771	252,533
	Total Trucks	251	3,434	2,848	703		614	7,850
2004	Total Tonnage	11,097	105,127	53,960	6,852		2,108	179,144
	Total Trucks	288	2,984	1,572	295		117	5,256
2003	Total Tonnage	27,832	101,990	67,394			1,602	198,818
	Total Trucks	702	3,003	2,202			87	5,994
2002	Total Tonnage	27,315	132,077	93,009			3,083	255,484
	Total Trucks	698	3,913	3,339			218	8,168
2001	Total Tonnage	26,239	99,297	111,506			8,545	245,587
	Total Trucks	688	2,912	4,127			363	8,090
2000	Total Tonnage	21,672	66,609	25,068			12,031	125,380
	Total Trucks	557	3,402					3,959
1999	Total Tonnage	3,356	41,453				12,399	57,208
	Total Trucks	85	1,759					1,844
1998 ⁽³⁾	Total Tonnage	4,220	73,712				4,056	81,988
	Total Trucks	112	2,431					2,543

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.

Road is typically open during most of January to March.

2006 season	50 days (February 5 - March 26)
2005 season	70 days (January 26 - April 5)
2004 season	64 days (January 28 - March 31)
2003 season	61 days (February 1 - April 2)
2002 season	81 days (January 26 - April 16)
2001 season	72 days (February 1 - April 13)
2000 season	65 days (January 29 - April 3)
1999 season	58 days (February 1 - March 30)
1998 season	76 days (January 19 - April 4)

Notes: BHP Diamond Mines Ekati Mine went into production in October of 1998.
Diavik Diamond Mine began construction of the mine site in 2000.

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

Winter road never reached full load bearing capacity.

(3) For data preceeding 1998, please see Appendix B "Historical Data"

Table 8 Estimated Vehicle Kilometres Travelled on NWT Highway s

Hwy	km	Length (km)	AADT								Vehicle Kilometres Travelled (millions)						
			2005	2004	2003	2002	2001	2000	1999	1998	2005	2004	2003	2002	2001	2000	1999
1	58	Alberta Border to Enterprise	84.2	280	250	250	240	230	220	210	8.7	7.6	7.8	7.4	7.1	6.7	6.6
1	85	Enterprise to Junction with Hwy #3	103.4	300	270	270	250	240	230	230	11.4	10.3	10.1	9.4	9.2	8.6	8.8
		1 Arterial	187.6								20.1	17.9	17.9	16.8	16.2	15.3	15.4
2	10	Enterprise to Junction with Hwy #5	37.5	450	410	420	400	400	400	410	6.1	5.6	5.8	5.5	5.4	5.5	5.6
2	32	Junction with Hwy #5 to Hay River (West Channel Bridge)	6.2	1460	1390	1420	1340	1340	1340	1340	3.3	3.1	3.2	3.0	3.0	3.0	3.0
		2 Arterial	43.7								9.4	8.7	9.0	8.5	8.5	8.5	8.7
3	2	Junction with Hwy #1 to Fort Providence Access	44.1	260	250	240	220	200	190	200	4.2	4.0	3.9	3.5	3.2	3.0	3.2
3	175	Fort Providence Access to Edzo Access	192.4	210	210	210	190	180	180	180	14.8	14.8	14.5	13.5	12.9	12.9	12.9
3	240	Edzo Access to Rae Access	8.5	650	650	640	590	570	550	560	2.0	2.0	2.0	1.8	1.8	1.7	1.7
*3	305	Rae Access to Yellowknife Access (Old Airport Road)	88.5	450	450	440	410	400	390	390	14.6	14.6	14.3	13.1	12.9	12.7	12.7
3	340	Old Airport Road Junction to Junction with Hwy #4	5.3	5570	5570	5460	5060	4980	5010	4890	10.8	10.8	10.6	9.8	9.6	9.7	9.5
		3 Arterial	338.8								46.4	46.1	45.2	41.7	40.3	40.1	39.9
		Total Arterial	570.1								75.9	72.8	72.1	67.0	65.0	63.9	64.0
1	322	Junction with Hwy #3 to Junction with Hwy #7	268.8	70	60	60	60	60	50	50	7.2	6.1	6.3	6.1	5.6	5.0	5.0
*1	468	Junction with Hwy #7 to Fort Simpson Access	14.9	240	240	240	240	240	240	240	1.3	1.3	1.3	1.3	1.3	1.3	1.3
1	477	Fort Simpson Access to Mackenzie River	79.2	60	40	50	40	40	40	40	1.6	1.2	1.5	1.2	1.2	1.2	1.2
		1 Collector	362.9								10.1	8.6	9.1	8.6	8.1	7.5	7.5
4	1	Junction with Hwy #3 to Royal Oak Mine	5	1240	1240	1240	1240	1230	1330	1460	2.3	2.3	2.3	2.3	2.2	2.4	2.7
4	10	Royal Oak Mine to Prelude Lake East Access	11.8	730	730	730	720	680	680	680	3.1	3.1	3.1	3.1	3.1	2.9	2.9
4	43	Prelude Lake East Access to Tibbet Lake	52.4	100	100	100	100	100	100	100	1.9	1.9	1.9	1.9	1.9	1.9	1.9
		4 Collector	69.2								7.3	7.3	7.3	7.3	7.2	7.2	7.5
5	1	Junction with Hwy #2 to Hay River Indian Village Access	2.5	560	560	530	520	510	520	520	0.5	0.5	0.5	0.5	0.5	0.5	0.5
5	19	Hay River Indian Village Access to Birch Creek	24.8	170	170	160	160	170	170	170	1.6	1.6	1.5	1.4	1.5	1.6	1.6
*5	48	Birch Creek to Junction with Hwy #6	33.1	170	170	170	170	170	170	170	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5	65	Junction with Hwy #6 to Salt River Village Access Road	187.8	80	80	70	70	70	80	70	5.3	5.5	5.0	4.8	5.0	5.1	4.9
5	232	Salt River Village Access Road to Fort Smith Access (Trout St.)	13.5	130	130	120	120	110	110	110	0.6	0.6	0.6	0.6	0.6	0.5	0.5
5	257	Fort Smith Access (Trout St.) to King St. Intersection	4.3	420	420	390	390	390	390	380	0.7	0.7	0.6	0.6	0.6	0.6	0.6
		5 Collector	266								10.3	10.4	9.7	9.4	9.7	9.9	9.6
6	30	Junction with Hwy #5 to Little Buffalo Village Road	68.3	80	80	80	80	80	80	80	1.9	2.0	2.0	1.9	2.0	1.9	1.9
6	74	Little Buffalo Village Road to Fort Resolution	21.7	120	110	100	110	100	100	110	0.9	0.8	0.8	0.8	0.8	0.8	0.8
		6 Collector	90								2.9	2.9	2.8	2.7	2.8	2.7	2.8
7	35	BC Border to Fort Liard	37.6	120	120	120	120	120	120	120	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7	253	Fort Liard to Junction with Hwy #1	216.5	30	30	30	30	30	30	30	2.7	2.7	2.6	2.4	2.5	2.7	2.7
		7 Collector	254.1								4.3	4.3	4.3	4.1	4.1	4.3	4.3
8	34	Yukon Border to Fort McPherson Access	85.4	50	50	50	40	40	40	40	1.6	1.6	1.6	1.1	1.1	1.1	1.1
8	90	Fort McPherson Access to Mackenzie River Ferry	57.2	100	80	80	80	90	90	90	2.1	1.7	1.8	1.8	1.8	1.8	1.6
8	243	Mackenzie River Ferry to Airport Access Road	116.7	80	80	80	70	80	90	80	3.3	3.3	3.3	3.2	3.4	3.8	3.4
8	259	Airport Access Road to Tuk Park Access Road	6.1	740	740	690	630	630	630	630	1.6	1.6	1.5	1.4	1.4	1.4	1.4
8	268	Tuk Park Access Road to Inuvik	3.9	1370	1270	1210	1120	1120	1150	1150	1.9	1.8	1.7	1.6	1.6	1.6	1.5
		8 collector	269.3								10.6	10.0	9.9	9.0	9.3	9.8	9.1
		Total Collector	1311.5								45.4	43.5	43.1	41.2	41.2	41.3	40.6
		Total Vehicle Kilometres Travelled									121.4	116.3	115.3	108.2	106.2	105.2	104.7

Note: * denotes counter has been taken out of service

Percent increase from 1998 to 1999 = 0.5% (Arterial increase = -0.2%; Collector increase = 1.7%)
 Percent increase from 1999 to 2000 = 1.0% (Arterial increase = 1.6%; Collector increase = -0.2%)
 Percent increase from 2000 to 2001 = 1.9% (Arterial increase = 3.1%; Collector increase = 0.2%)
 Percent increase from 2001 to 2002 = 6.6% (Arterial increase = 7.6%; Collector increase = 4.6%)
 Percent increase from 2002 to 2003 = 0.9% (Arterial increase = 1.0%; Collector increase = 0.9%)
 Percent increase from 2003 to 2005 = 4.4% (Arterial increase = 4.3%; Collector increase = 4.4%)

Average annual percent increase from 1998 to 2005 = 2.3% (Arterial increase = 2.7%; Collector increase = 1.7%)

Vehicle Kilometres Travelled (VKT) is a unit for measuring the amount of traffic on a road. It is calculated by multiplying the AADT by 365 days/year by the length of the road. I.E. (number of vehicles/day)(365 days/year)(number of kilometres assumed driven)=vehicle kilometres travelled per year
 VKT indicates usage of a road and is typically used to calculate collision rates.

Figure 4
Estimated Vehicle Kilometres Travelled on Northwest Territories Highways

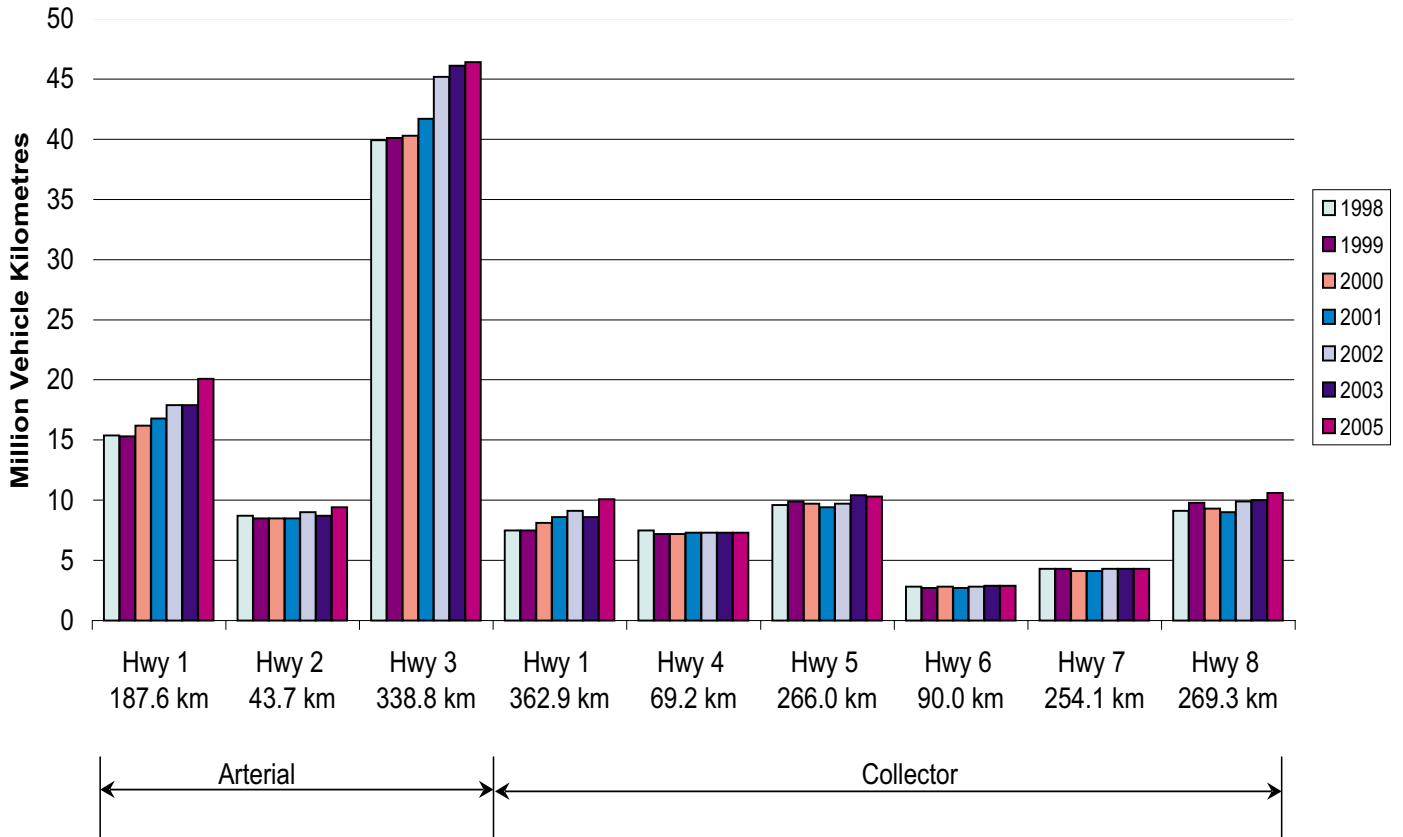
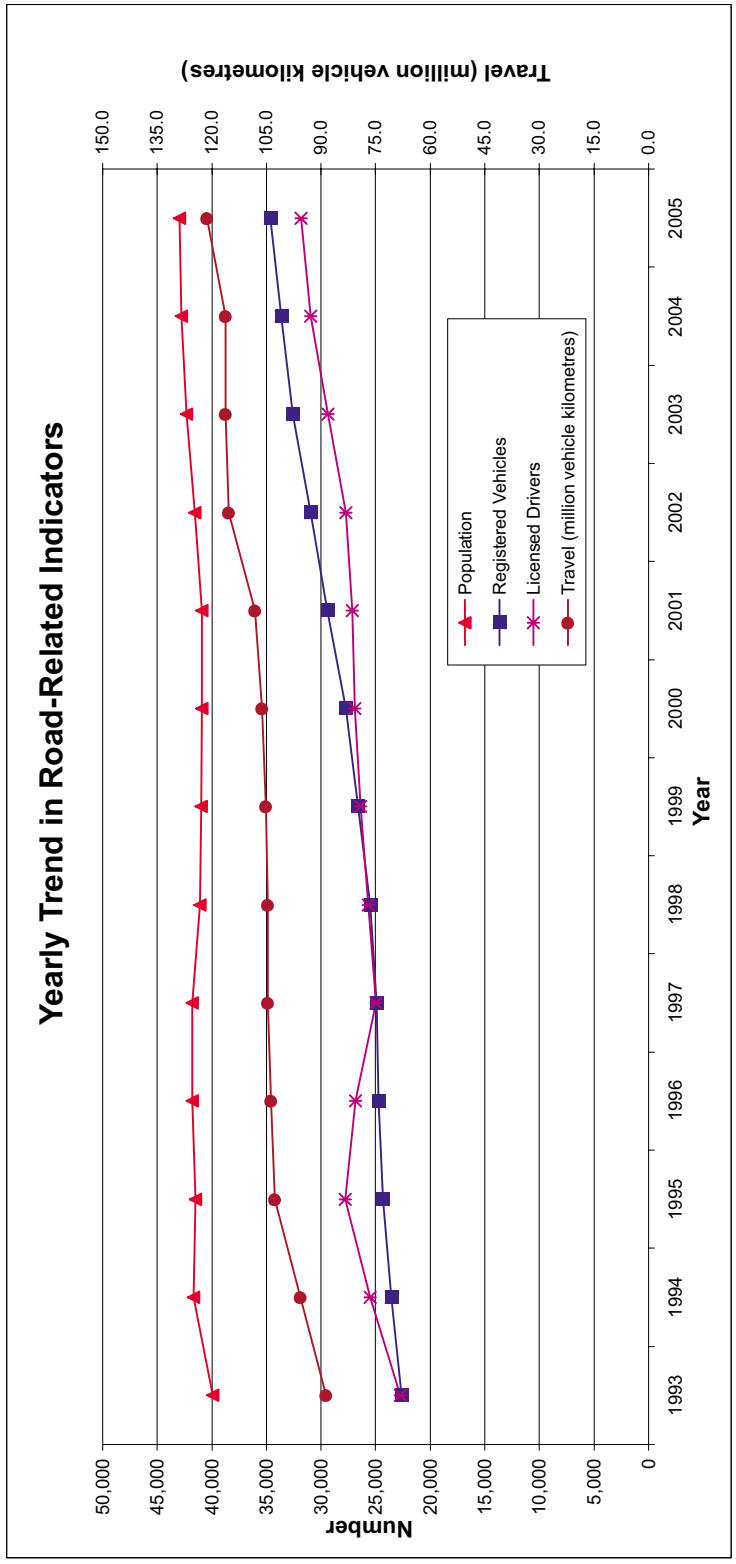


Figure 5

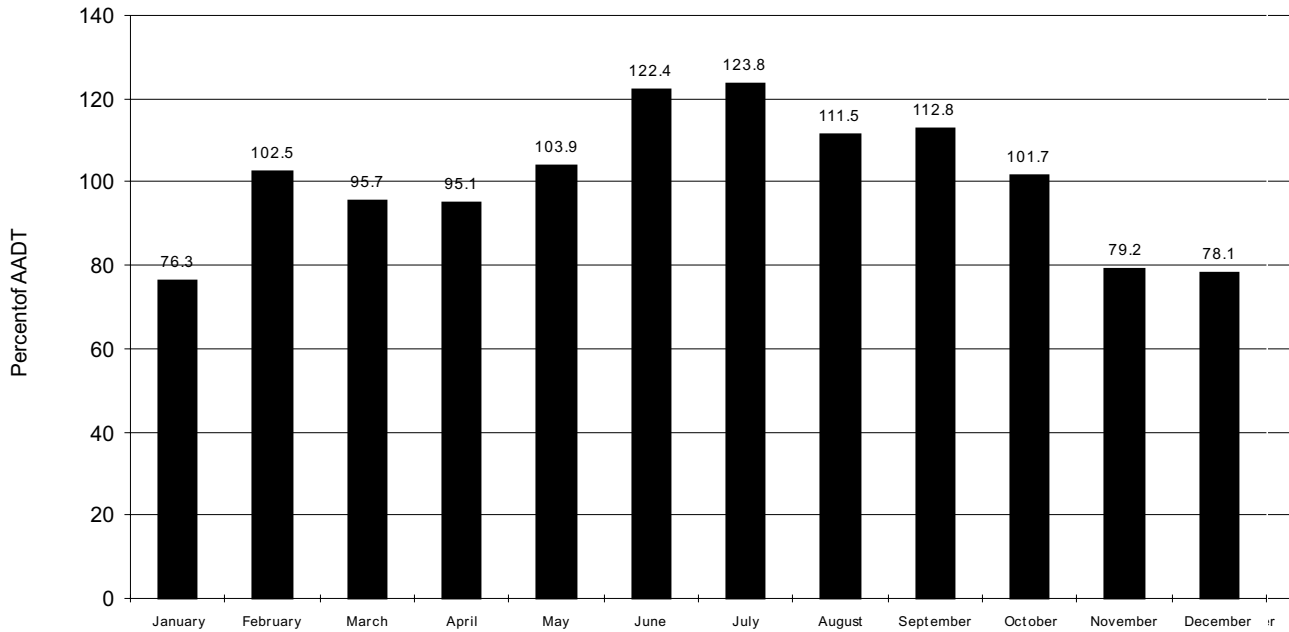


Indicators	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Population*	39,900	41,700	41,500	41,800	41,800	41,100	41,000	40,900	40,900	41,549	42,321	42,810	42,982
Registered Vehicles	22,631	23,575	24,323	24,717	24,884	25,470	26,599	27,703	29,449	30,969	32,567	33,642	34,669
Licensed Drivers	22,742	25,471	27,794	26,853	24,997	25,655	26,371	26,880	27,148	27,748	29,368	30,958	31,843
Travel (million vehicle kilometres)	88.7	95.6	102.7	103.8	104.6	104.7	105.2	106.2	108.2	115.3	116.3	116.3	121.4

*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)

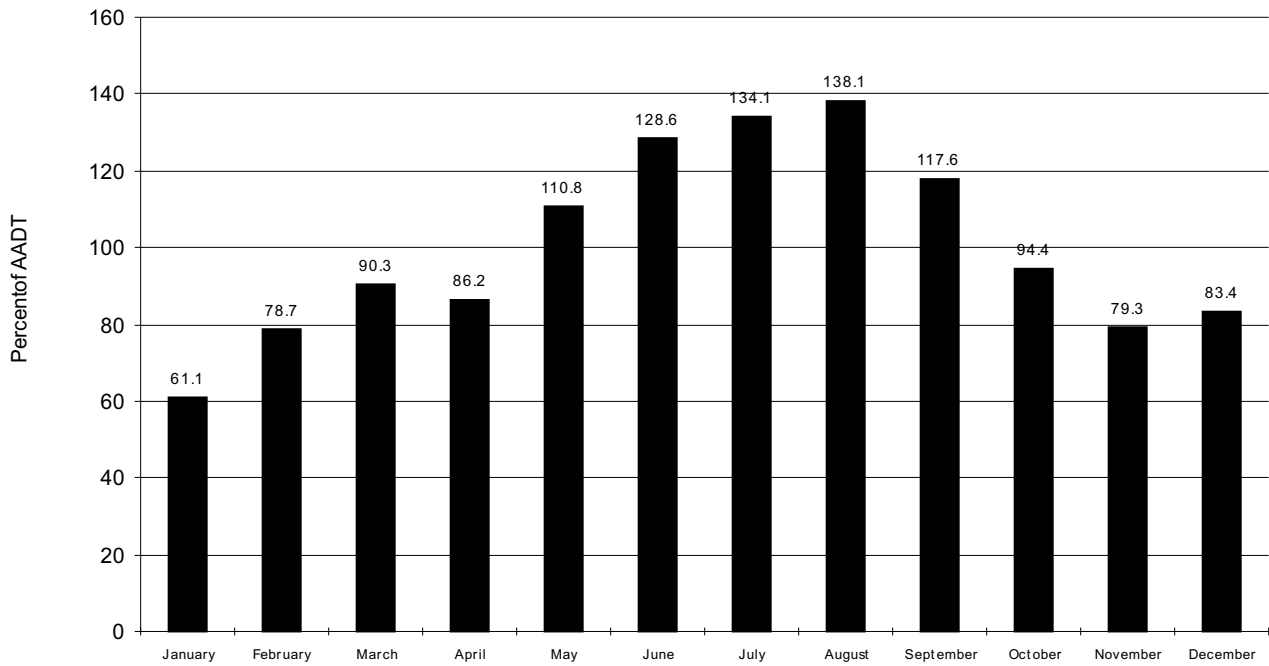
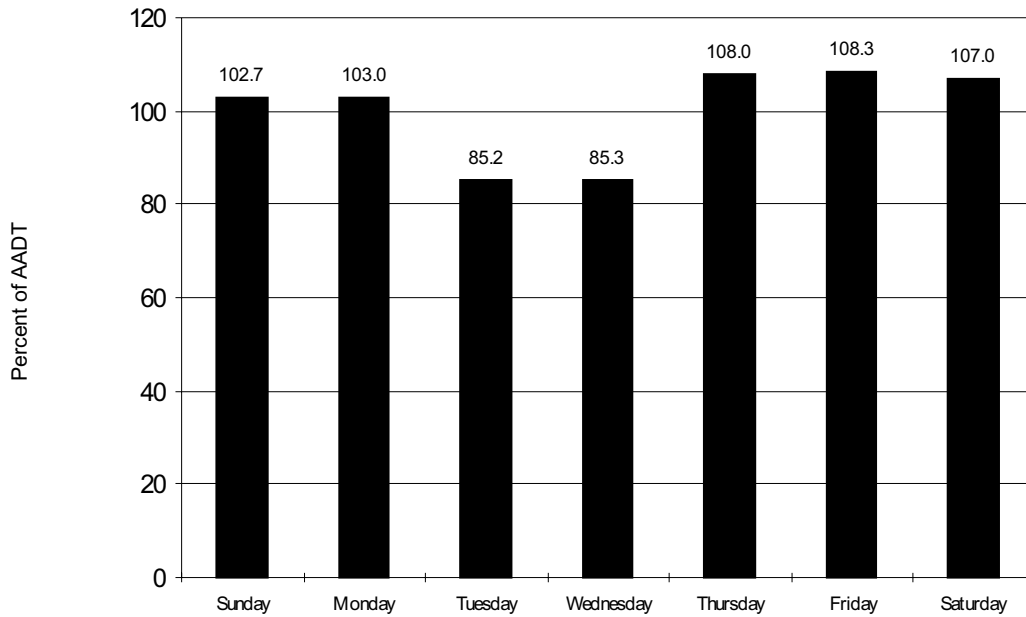


Figure 7
Distribution of Daily Traffic

Typical Near Urban Highway
(Hwy 3, Km 338)



Typical Rural Highway
(Hwy 5, Km 65)

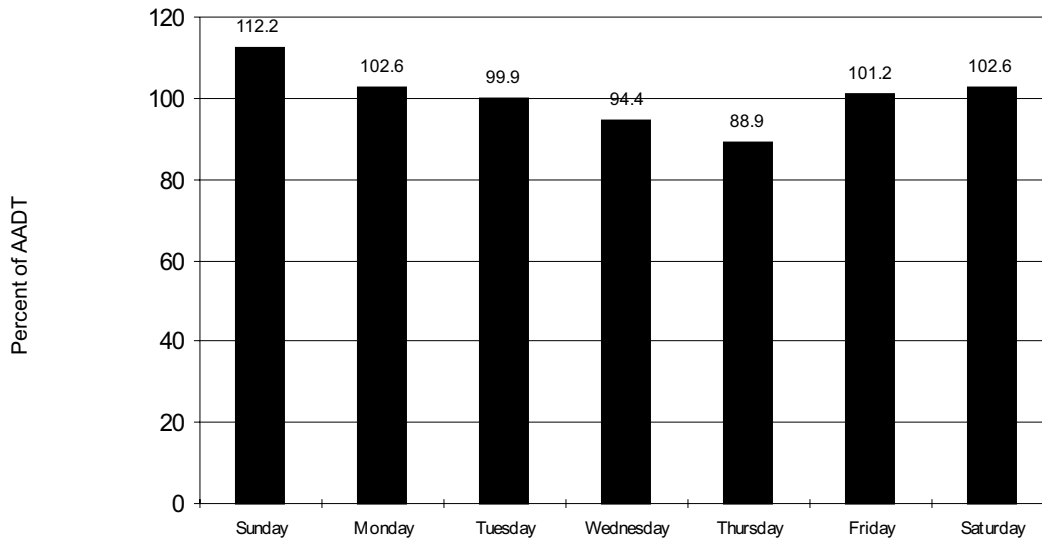
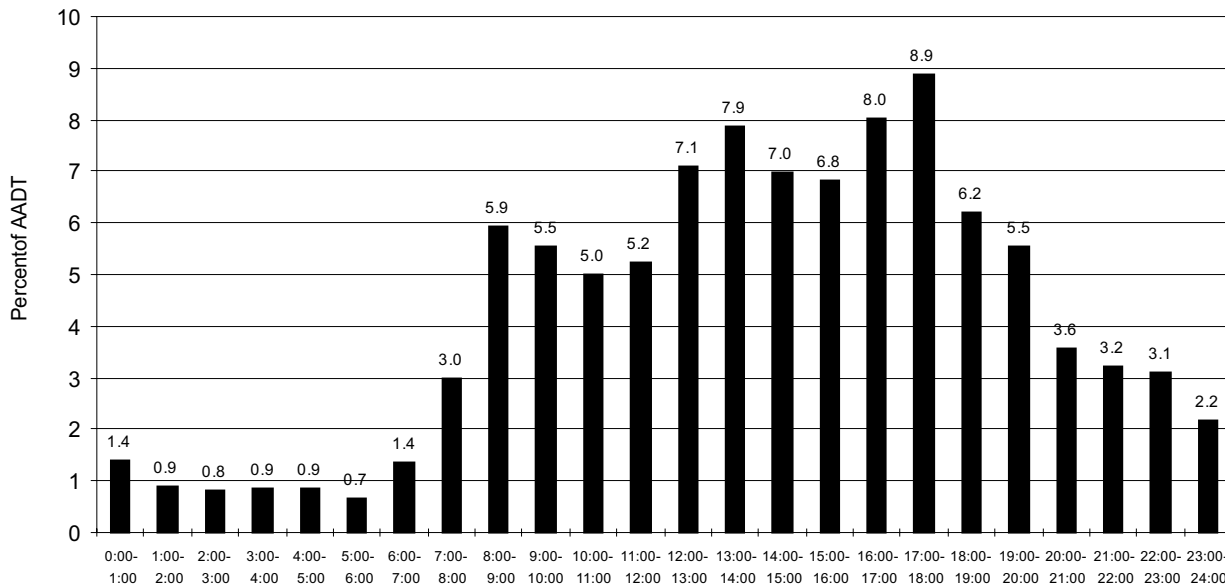
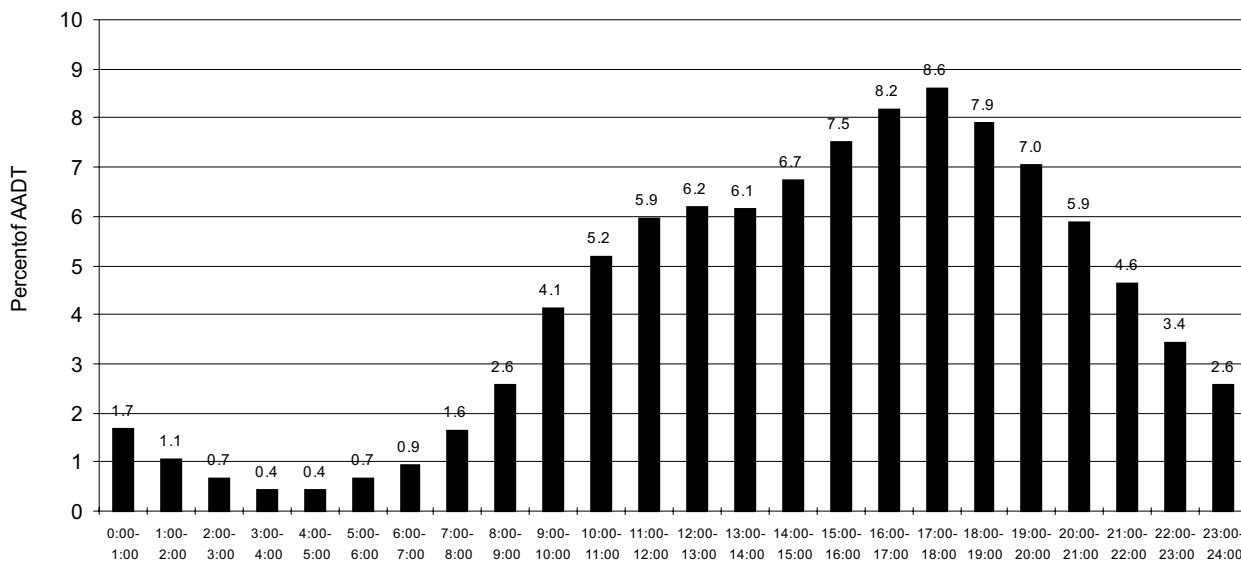


Figure 8 Distribution of Hourly Traffic

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

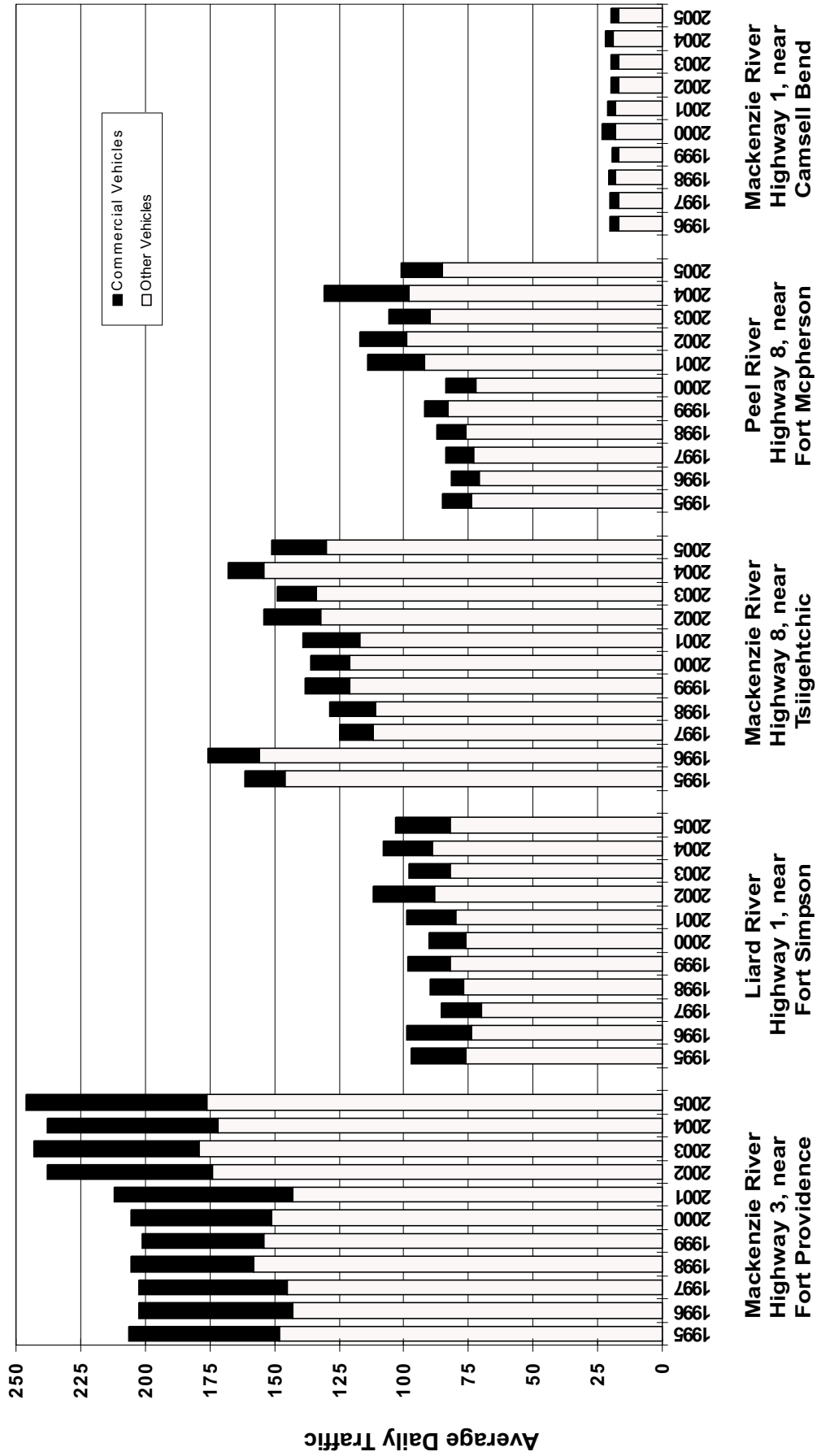


Table 9 Average Daily Traffic on Highway Ferries

Ferry Crossing	Location	Ferry	Vehicle Type	Year											
				2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	
Dory Point	Highway 3, near Fort Providence	M.V. Merv Hardie	Commercial Vehicles	70	66	64	64	69	55	47	47	58	59		
			Light Vehicles	159	154	159	155	130	134	136	141	130	129	134	
			Trailers Towed	17	18	20	19	13	17	18	17	15	14	14	
			Total	246	238	243	238	212	205	201	206	202	202	206	
Liard River	Highway 1, near Fort Simpson	M.V. Lafferty	Commercial Vehicles	21	19	16	24	19	14	16	13	16	21		
			Light Vehicles	76	82	76	81	75	70	76	72	66	68	70	
			Trailers Towed	6	7	6	7	5	6	6	5	5	6	6	
			Total	103	108	98	112	99	90	98	90	87	98	97	
Mackenzie River	Highway 8, near Tsiigehtchic	M.V. Louis Cardinal	Commercial Vehicles	21	19	15	22	22	15	17	18	13	16		
			Light Vehicles	119	135	127	119	105	106	106	93	97	139	132	
			Trailers Towed	11	14	7	13	12	13	15	15	15	17	14	
			Total	151	168	149	154	139	134	138	126	125	175	161	
Peel River	Highway 8, near Fort McPherson	C.F. Abraham Francis	Commercial Vehicles	16	33	16	18	22	12	9	11	11	11		
			Light Vehicles	79	90	81	92	82	64	71	64	65	60	62	
			Trailers Towed	6	8	9	7	10	8	12	12	8	11	12	
			Total	101	131	106	117	114	84	92	87	84	81	85	
Mackenzie River	Highway 1, near Camsell Bend	M.V. Johnny Berens	Commercial Vehicles	3	3	3	3	3	6	2	3	3	3		
			Light Vehicles	16	18	16	16	17	17	16	17	17	16	17	
			Trailers Towed	1	1	1	1	1	1	1	1	0	1	1	
			Total	20	22	20	20	21	23	19	20	21	20	20	

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

Operating Season Open	Month Close	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
May 12/05	Feb 2/06	May-05	4,552	228	68.32	5.84	2.24	21.13	0.04	0.81	1.60	25.83	8,349
		Jun-05	9,545	318	70.07	10.33	2.54	14.57	0.04	0.58	1.88	19.60	18,123
		Jul-05	11,184	361	71.49	10.16	1.78	14.51	0.05	0.72	1.29	18.35	23,048
		Aug-05	10,235	330	71.00	8.90	2.28	15.92	0.00	0.48	1.43	20.10	19,495
		Sep-05	7,939	265	70.45	6.26	2.48	18.98	0.05	0.59	1.18	23.29	14,209
		Oct-05	6,526	211	67.13	4.34	2.87	23.11	0.02	0.95	1.59	28.53	11,763
		Nov-05	5,729	191	54.22	2.18	3.82	37.39	0.19	1.05	1.15	43.60	9,252
		Dec-05	4,811	155	56.43	3.28	3.43	34.13	0.19	1.06	1.62	40.28	8,750
		Jan-06	4,730	153	32.58	1.86	3.70	59.13	0.21	0.89	0.89	65.56	6,777
		Feb-06	396	198	1.01	0.76	3.03	92.42	0.00	2.27	0.51	98.23	502
		Total	65,647	246	64.59	6.78	2.63	23.71	0.07	0.75	1.47	28.63	120,268
May 17/04	Jan 6/05	May-04	4,060	271	67.46	5.59	2.04	22.91	0.07	0.76	1.16	26.95	7,469
		Jun-04	8,980	299	66.97	11.66	2.63	16.48	0.06	0.72	1.48	21.37	20,432
		Jul-04	10,576	341	68.97	11.42	1.68	15.98	0.09	0.60	1.27	19.61	21,528
		Aug-04	10,863	350	70.04	8.43	3.31	16.90	0.03	0.45	0.84	21.53	20,196
		Sep-04	7,894	263	67.20	5.28	2.89	22.54	0.06	0.65	1.38	27.51	12,665
		Oct-04	6,694	216	65.58	3.73	2.66	25.84	0.16	1.11	0.91	30.68	11,573
		Nov-04	4,708	157	53.48	2.85	3.04	38.28	0.04	1.34	0.88	43.67	7,563
		Dec-04	1,892	61	13.64	1.43	4.28	75.42	0.32	2.11	2.90	84.94	2,530
		Jan-05	301	50	6.31	1.00	3.65	82.06	1.00	1.99	3.99	92.69	421
		Total	55,968	238	64.58	7.56	2.68	23.09	0.08	0.79	1.23	27.86	104,377
May 17/03	Jan 9/04	May-03	3,403	227	66.91	8.35	1.18	20.89	0.15	0.71	1.82	24.74	5,962
		Jun-03	9,553	318	67.83	12.93	1.62	15.49	0.05	0.68	1.39	19.24	20,432
		Jul-03	10,576	341	68.97	11.42	1.68	15.98	0.09	0.60	1.27	19.61	21,528
		Aug-03	11,024	356	72.78	9.44	2.47	13.93	0.09	0.47	0.82	17.78	22,428
		Sep-03	7,592	253	67.06	7.13	2.25	21.67	0.09	0.59	1.21	25.82	13,703
		Oct-03	6,934	224	66.93	4.20	2.52	24.34	0.07	0.89	1.04	28.87	12,257
		Nov-03	4,997	167	56.15	3.08	3.08	35.32	0.06	1.38	0.92	40.76	7,974
		Dec-03	3,159	102	34.19	3.45	4.31	54.76	0.32	1.27	1.71	62.36	4,697
		Jan-04	482	54	11.41	2.70	1.45	78.63	0.41	2.49	2.90	85.89	740
		Total	57,720	243	65.40	8.45	2.23	21.87	0.10	0.71	1.25	26.16	109,721
May 22/02	Jan 27/03	Total	59,728	238	65.17	7.98	2.28	22.68	0.13	0.70	1.06	26.85	111,535
May 12/01	Feb 4/02	Total	56,766	212	61.1	6.4	2.3	27.7	0.6	0.8	1.2	32.6	115,370
May 09/00	Jan 15/01	Total	51,753	205	65.1	8.2	2.1	22.3	0.0	0.8	1.5	26.7	99,729
May 09/99	Jan 20/00	Total	51,753	201	67.8	8.7	2.0	19.2	0.1	0.8	1.3	23.4	102,541
May 15/98	Jan 13/99	Total	51,820	206	51.9	5.5	1.8	14.1	0.0	0.7	1.0	17.6	100,691
May 12/97	Jan 29/98	Total	52,660	202	64.3	7.2	2.5	24.0	0.1	0.8	1.1	28.5	100,851
May 16/96	Jan 14/97	Total	49,909	202	63.7	6.8	3.1	24.2	0.1	0.6	1.4	29.4	96,779
May 13/95	Jan 12/96	Total	50,440	206	65.0	6.6	4.1	22.4	0.3	0.7	0.8	28.4	96,699
May 11/94	Jan 17/95	Total	45,905	187	63.5	6.3	3.0	25.2	0.1	0.8	1.1	30.2	90,852
May 6/93	Jan 14/94	Total	45,428	179	65.4	5.3	3.9	23.5	0.1	1.0	0.8	29.2	88,641

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	Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Percent of Total Over size			Other	Total Commercial	Number of Passengers
								Bus	Truck	Trailer			
May 11/05	Nov 5/05	1,931	92	84.77	4.09	3.26	2.80	0.00	0.21	4.87	11.13	4,068	
	Jun-05	3,514	117	70.15	7.17	3.64	15.57	0.09	0.40	2.99	22.68	7,328	
	Jul-05	3,721	120	67.40	7.09	4.11	19.00	0.08	0.43	1.88	25.50	7,757	
	Aug-05	3,799	123	72.78	7.79	4.08	12.66	0.26	0.13	2.29	19.43	7,595	
	Sep-05	2,963	99	75.90	5.33	4.89	11.47	0.03	0.24	2.13	18.76	5,815	
	Oct-05	2,130	69	74.98	3.52	7.14	11.55	0.28	0.61	1.92	21.50	4,327	
	Nov-05	373	75	85.52	2.68	4.83	4.56	0.00	0.00	2.41	11.80	673	
	Total	18,431	103	73.46	6.15	4.42	12.98	0.12	0.32	2.54	20.38	37,563	
May 16/04	Oct 26/04	1,451	97	82.84	4.00	3.65	3.03	0.07	0.00	6.41	13.16	2,949	
	Jun-04	3,225	108	73.83	6.42	2.95	12.68	0.16	0.37	3.60	19.75	6,551	
	Jul-04	3,870	125	74.34	6.46	4.39	9.87	0.36	0.21	4.37	19.20	8,211	
	Aug-04	3,774	122	75.46	7.68	3.95	8.37	0.32	0.29	3.92	16.85	8,125	
	Sep-04	3,249	108	75.78	5.94	3.51	13.17	0.52	0.06	1.02	18.28	6,455	
	Oct-04	2,095	81	80.14	2.58	4.96	10.21	0.38	0.24	1.48	17.28	4,045	
	Total	17,664	108	76.14	5.96	3.88	10.15	0.32	0.22	3.34	17.91	36,336	
May 13/03	Nov 4/03	1,797	95	86.03	3.62	2.78	3.78	0.00	0.22	3.56	10.35	3,796	
	Jun-03	2,957	99	75.62	9.06	4.13	7.51	0.03	0.27	3.38	15.32	6,052	
	Jul-03	3,072	99	76.30	8.79	2.96	8.76	0.23	0.13	2.83	14.91	6,797	
	Aug-03	3,294	106	77.47	8.86	3.64	7.65	0.18	0.27	1.91	13.66	7,247	
	Sep-03	3,173	106	72.68	5.01	4.85	15.51	0.66	0.25	1.04	22.31	5,866	
	Oct-03	2,654	86	78.30	3.20	6.78	78.30	0.68	0.60	2.41	18.50	5,482	
	Nov-03	246	62	84.15	2.85	5.69	2.85	0.00	0.00	4.47	13.01	439	
	Total	17,193	98	77.18	6.67	4.25	8.95	0.22	0.28	2.45	16.16	35,679	
May 22/02	Nov 6/02	18,976	112	72.23	6.09	4.83	13.67	0.08	0.40	2.70	21.68	37,830	
May 15/01	Nov 2/01	17,146	99	75.7	5.7	5.3	9.4	0.3	0.5	3.1	18.7	34,612	
May 10/00	Nov 3/00	16,048	90	77.2	6.8	4.4	7.7	0.2	0.6	3.1	16.0	33,040	
May 9/99	Nov 3/99	17,376	98	77.5	5.8	4.3	8.7	0.2	0.9	2.5	16.7	34,907	
May 06/98	Nov 10/98	17,022	90	79.4	5.8	4.2	7.4	0	0.8	2.3	14.8	34,808	
May 15/97	Nov 12/97	14,885	87	74.7	6.1	5.1	10.7	0.1	0.9	2.4	19.2	30,666	
May 6/96	Oct 26/96	16,932	98	69	5.8	5.6	16	0.2	0.7	2.8	25.3	35,472	
May 9/95	Oct 27/95	16,646	97	71.6	6.5	5.1	14.4	0.2	0.2	2	21.9	34,734	
May 6/94	Nov 6/94	17,869	97	68.8	5.9	5.6	17.1	0.2	0.2	2.2	25.3	36,163	
May 12/93	Nov 17/93	14,053	74	71.6	10.5	6.5	9.2	0.1	0.3	1.8	17.9	29,516	

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

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
May 27/05	Oct 29/05	368	92	78.80	4.08	9.51	2.72	0.00	0.00	4.89	17.12	648
	Jun-05	4,851	162	78.46	8.25	3.22	7.07	0.08	0.02	2.91	13.30	8,863
	Jul-05	5,703	184	77.80	10.45	3.09	6.33	0.28	0.28	1.77	11.75	11,778
	Aug-05	5,815	188	78.07	7.62	5.19	6.72	0.22	0.05	2.12	14.31	12,280
	Sep-05	3,983	133	80.99	2.86	5.45	9.19	0.05	0.00	1.46	16.14	7,749
	Oct-05	2,536	91	81.98	0.95	4.10	12.03	0.28	0.00	0.67	17.07	4,912
	Total	23,256	151	79.02	6.85	4.26	7.64	0.18	0.09	1.97	14.13	46,230
June 4/04	Oct 20/04	4,665	173	77.64	13.40	2.66	5.04	0.06	0.02	1.18	8.96	8,548
	Jul-04	6,298	203	78.09	12.00	1.79	6.35	0.11	0.16	1.49	9.91	11,095
	Aug-04	6,090	196	83.63	6.58	2.28	5.85	0.43	0.07	1.17	9.79	10,478
	Sep-04	4,261	142	80.66	2.58	3.66	12.41	0.28	0.07	0.33	16.76	6,789
	Oct-04	2,260	108	81.68	1.55	3.36	12.17	0.13	0.04	1.06	16.77	3,732
	Total	23,574	168	80.24	8.17	2.58	7.61	0.22	0.08	1.09	11.58	40,642
June 5/03	Nov 2/03	4,449	171	83.86	6.47	1.84	7.01	0.22	0.04	0.54	9.67	8,497
	Jul-03	5,679	183	83.85	5.85	1.60	7.48	0.07	0.30	0.85	10.30	12,359
	Aug-03	5,397	174	84.82	6.15	3.35	4.63	0.04	0.24	0.76	9.02	11,985
	Sep-03	3,763	125	87.14	2.07	1.49	8.90	0.08	0.05	0.27	10.79	8,543
	Oct-03	2,973	96	86.68	0.13	2.99	9.35	0.24	0.07	0.54	13.19	6,772
	Nov-03	50	50	96.00	0.00	4.00	0.00	0.00	0.00	0.00	4.00	113
	Total	22,311	149	85.05	4.63	2.25	7.17	0.12	0.16	0.62	10.32	48,269
June 4/02	Oct 19/02	21,130	154	77.24	8.27	3.86	8.11	0.59	0.13	1.80	14.49	46,844
June 5/01	Oct 27/01	19,827	139	75.2	8.9	2.9	11.3	0.3	0.1	1.3	15.9	42,172
June 6/00	Oct. 23/00	18,795	134	78.7	9.8	2.5	6.9	0.1	0.1	1.8	11.5	39,917
June 2/99	Oct. 15/99	19,028	138	76.5	11.0	3.3	7.2	0.1	0.2	1.7	12.5	41,066
May 27/98	Oct. 23/98	19,149	126	74.1	11.9	3.8	4.8	0.0	0.3	5.1	13.9	43,258
June 4/97	Oct 19/97	16,894	125	77.2	12.3	2.5	4.9	0.1	0.7	2.4	10.5	38,471
June 4/96	Oct 16/96	23,570	175	79.3	9.5	2.9	5.9	0.5	0.5	1.4	11.2	45,636
May 24/95	Oct 24/95	24,620	160	81.9	8.4	2.1	5.3	0.3	0.5	1.5	9.7	50,398
May 30/94	Oct 30/94	27,052	176	82.9	5.9	3	4.6	0.3	0.5	2.8	11.2	55,606
June 4/93	Oct 28/93	25,132	171	75.3	12.1	2.3	5.7	0.7	0.3	3.5	12.6	52,585

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

Operating Season	Month	Total Traffic	Average Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Percent of Total			Other	Total Commercial	Number of Passengers
								Over-size	Bus	Trailer			
May 25/05	Oct 24/05	242	35	80.99	5.79	2.07	5.79	0.00	0.00	0.00	5.37	13.22	509
	Jun-05	2,696	90	74.37	7.23	0.70	11.94	0.45	0.04	0.04	5.27	18.40	5,153
	Jul-05	5,181	167	80.04	6.93	2.93	7.62	0.27	0.25	0.25	1.95	13.03	11,653
	Aug-05	3,688	119	80.88	6.45	1.79	7.35	0.52	0.11	0.11	2.90	12.66	7,984
	Sep-05	2,413	80	78.37	2.78	1.82	14.71	0.75	0.08	0.08	1.49	18.86	4,883
Oct-05	1,226	51	71.86	1.71	2.37	19.41	0.08	0.08	0.08	4.49	26.43	2,082	
	Total	15,335	101	78.36	5.79	2.04	10.33	0.41	0.14	0.14	2.94	15.86	32,264
June 2/04	Oct 25/04	3,180	110	75.06	11.51	2.26	7.30	0.06	0.06	0.06	3.74	13.43	5,718
	Jul-04	5,406	174	70.59	7.51	2.09	6.84	0.26	0.24	0.24	12.47	21.90	10,245
	Aug-04	6,023	194	73.83	4.75	0.91	5.99	0.45	0.05	0.05	14.01	21.42	8,897
	Sep-04	3,230	108	59.41	2.32	0.80	15.26	0.12	0.06	0.06	22.01	38.27	4,498
	Oct-04	1,698	61	49.88	1.59	0.18	15.96	0.24	0.00	0.00	32.16	48.53	2,002
	Total	19,537	131	68.67	5.94	1.38	8.84	0.26	0.10	0.10	14.81	25.39	31,360
June 4/03	Oct 29/03	2,323	86	68.40	15.93	3.96	7.88	0.52	0.04	0.04	3.27	15.67	5,275
	Jul-03	4,024	130	69.73	12.97	0.77	11.53	0.32	0.32	0.32	4.35	17.30	8,830
	Aug-03	5,230	169	85.03	6.52	0.50	4.63	0.88	0.84	0.84	1.61	8.45	10,264
	Sep-03	2,652	88	74.89	4.11	1.17	17.99	0.41	0.00	0.00	1.43	21.00	5,028
	Oct-03	1,486	51	79.95	0.94	1.01	17.83	0.07	0.20	0.20	0.00	19.11	2,836
	Total	15,715	106	76.46	8.63	1.24	10.38	0.53	0.39	0.39	2.37	14.91	32,233
May 27/02	Oct 25/02	17,810	117	78.72	5.72	1.73	9.34	1.07	0.52	0.52	2.91	15.56	37,322
June 10/01	Oct 29/01	16,114	114	71.8	8.6	3.1	14.4	0.3	0.4	0.4	1.4	19.6	31,498
June 6/00	Oct 26/00	11,959	84	76.3	9.7	1.7	9.0	0.3	0.5	0.5	2.6	14.1	27,823
May 31/99	Oct 15/99	12,713	92	76.8	13.4	0.8	5.6	0.5	0.5	0.5	2.4	9.8	28,066
May 27/98	Oct 22/98	13,097	87	73.8	13.2	1.4	6.9	0.3	0.4	0.4	4.0	13.0	32,775
June 3/97	Oct 20/97	11,738	84	77.0	9.7	1.6	7.4	0.1	0.5	0.5	3.7	13.3	27,454
June 3/96	Oct 19/96	11,237	81	73.5	13.3	1.8	8.2	0.1	0.5	0.5	2.7	13.3	25,891
May 22/95	Oct 24/95	13,247	85	72.4	14.6	1.1	8.7	0	0.4	0.4	2.7	13.0	31,485
May 27/94	Oct 29/94	14,012	90	74.9	12.4	0.8	9.1	0.0	0.3	0.3	2.5	12.7	35,352
June 3/93	Oct 29/93	14,561	98	77.6	9.9	0.8	8.8	0.2	0.6	0.6	2.2	12.6	38,078

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			Other	Total Commercial	Number of Passengers
								Over size	Bus	Commercial			
May 20/05	Nov 4/05	226	19	69.91	0.44	23.89	0.00	0.00	0.00	0.44	5.31	29.65	437
	May-05	493	16	81.74	3.65	5.27	3.85	0.00	0.00	1.01	4.46	14.60	1,036
	Jun-05	696	22	81.32	6.18	6.90	2.44	0.00	0.00	0.72	2.44	12.50	1,588
	Aug-05	660	21	86.06	6.21	3.48	1.52	0.00	0.00	0.30	2.42	7.73	1,409
	Sep-05	638	21	82.92	5.17	6.43	3.92	0.00	0.00	0.00	1.57	11.91	1,243
	Oct-05	533	17	82.55	2.63	5.63	6.94	0.00	0.00	0.00	2.25	14.82	993
	Nov-05	81	20	77.78	0.00	14.81	4.94	0.00	0.00	0.00	2.47	22.22	152
	Total	3,327	20	81.97	4.51	7.03	3.37	0.00	0.00	0.39	2.74	13.53	6,858
May 28/04	Oct 22/04	77	19	89.61	2.60	5.19	0.00	0.00	0.00	0.00	2.60	7.79	173
	May-04	503	17	87.28	1.19	9.54	0.40	0.00	0.00	0.00	1.59	11.53	1,125
	Jun-04	707	23	82.46	5.52	5.94	3.54	0.00	0.00	0.57	1.98	12.02	1,613
	Aug-04	686	22	85.71	4.96	5.83	2.04	0.00	0.00	0.00	1.46	9.33	1,493
	Sep-04	761	25	81.73	4.34	3.94	8.67	0.00	0.00	0.00	1.31	13.93	1,409
	Oct-04	508	23	79.53	3.35	6.10	8.27	0.00	0.00	0.00	2.76	17.13	857
	Total	3,242	22	83.44	4.04	6.01	4.60	0.00	0.00	0.12	1.79	12.52	6,670
May 30/03	Oct 31/03	37	19	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103
	May-03	477	16	79.66	3.14	9.64	2.10	0.00	0.00	0.00	5.45	17.19	1,001
	Jun-03	611	20	74.96	3.76	13.58	4.42	0.00	0.00	0.00	3.27	21.28	1,302
	Aug-03	671	22	86.14	4.47	5.37	1.49	0.00	0.00	0.00	2.53	9.39	1,641
	Sep-03	672	22	84.67	6.55	5.51	1.19	0.00	0.00	0.00	2.08	8.78	1,335
	Oct-03	695	22	82.45	3.02	6.91	5.76	0.00	0.00	0.00	1.87	14.53	1,334
	Total	3,163	20	82.04	4.20	7.90	3.00	0.00	0.00	0.00	2.85	13.75	6,716
May 31/02	Nov 01/02	3,106	20	79.65	5.54	6.89	3.86	0.35	0.13	0.13	3.57	14.81	6,402
May 22/01	Oct 29/01	3,404	21	79.5	5.5	6.1	2.9	1.0	0.5	0.5	4.3	14.8	6,742
May 20/00	Oct 30/00	3,786	23	72.9	3.3	3.9	3.3	0.3	0.2	0.2	16.2	23.8	7,593
May 21/99	Oct 16/99	2,779	19	82.6	4.8	4.7	2.8	0.0	0.1	0.1	4.9	12.6	7,270
May 15/98	Nov. 03/98	3,384	20	83.9	3.2	4.6	4.4	0.3	0.1	0.1	3.4	12.9	8,959
May 18/97	Oct 27/97	3,396	21	82.6	1.8	8.8	2.0	0.1	0.2	0.2	4.4	15.6	8,448
May 22/96	Oct 25/96	3,161	20	80.0	4.5	4.9	5.2	0.2	0.1	0.1	5.2	15.5	6,926
May 17/95	Oct 16/95	2,990	20	83.3	2.4	6.0	4.2	0.6	0.1	0.1	3.3	14.3	6,935
June 3/94	Nov 2/94	2,978	19	82.2	1.7	5.4	6.7	0.6	0.3	0.3	3.1	16.1	6,712

Table 15 Vehicle Classification at the Enterprise Weigh Scale

Unit Type	2005												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
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
5 Axle	286	668	848	302	194	232	438	339	293	250	300	281	4431	23.42
6 Axle	375	716	1026	261	138	257	364	240	301	312	266	170	4426	23.40
A Train	97	118	134	125	112	171	179	136	169	136	152	131	1660	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	1573	1959	164	158	259	253	196	240	255	554	448	6983	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	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
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
5 Axle	304	469	725	217	217	340	207	266	343	321	227	210	3846	22.98
6 Axle	280	480	688	126	101	258	182	315	287	193	157	155	3222	19.25
A Train	127	155	170	95	108	229	155	117	183	174	113	109	1735	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	1517	1985	110	114	301	229	274	399	337	320	272	6546	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	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
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
5 Axle	218	497	687	234	207	180	425	198	260	361	207	177	3651	22.96
6 Axle	183	541	670	152	185	141	214	163	281	262	190	118	3100	19.49
A Train	100	109	129	98	155	133	159	129	138	163	136	143	1592	10.01
B Train	17	134	173	7	57	12	22	14	5	26	4	12	483	3.04
C Train	5	51	99	4	2	1					2	4	168	1.06
Super B	655	1397	2027	155	110	199	253	148	222	284	411	436	6297	39.60
Logging Truck					1								1	0.01
Total	1229	2788	3883	675	739	693	1169	729	953	1143	976	925	15,902	100.00

Unit Type	2002												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	12	27	18	12	9	9	6	8	14	9	7	10	141	0.88
Tandem	62	68	71	91	2	9	1	1	0	2	1	1	309	1.94
5 Axle	230	505	546	178	132	338	257	226	352	353	236	189	3542	22.21
6 Axle	212	514	579	200	65	249	224	231	249	248	246	158	3175	19.91
A Train	106	117	100	114	72	184	161	152	126	151	119	93	1495	9.38
B Train	101	209	195	25	10	20	13	20	25	38	12	10	678	4.25
C Train	17	69	73	9	1	7	9	0	0	1	0	1	187	1.17
Super B	703	1397	1767	259	42	295	306	207	276	321	506	339	6418	40.25
Logging Truck	-	-	-	-	-	0	0	0	0	0	0	0	0	0.00
Total	1443	2906	3349	888	333	1111	977	845	1042	1123	1127	801	15,945	100.00

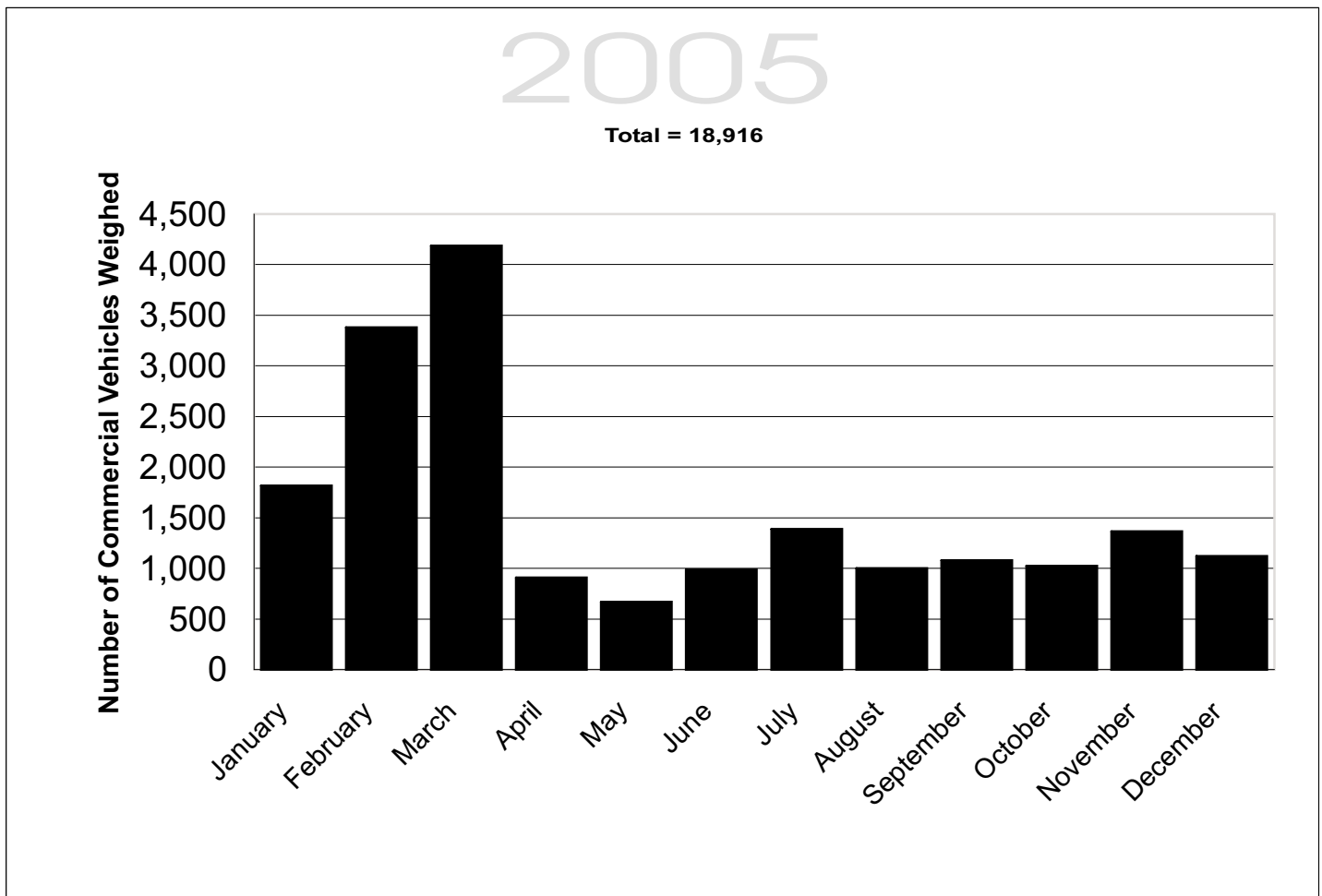
Unit Type	2001												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	16	12	16	3	5	4	2	12	6	2	1	1	80	0.55
Tandem	15	23	26	11	18	10	18	27	102	10	54	2	316	2.17
5 Axle	427	466	699	262	191	217	186	181	170	203	204	42	3248	22.29
6 Axle	320	516	679	210	113	163	157	226	172	169	176	38	2939	20.17
A Train	76	97	130	72	107	134	139	117	114	114	95	25	1220	8.37
B Train	170	171	244	103	14	13	26	21	18	26	11	7	824	5.65
C Train	2	33	41	28	0	0	0	0	0	0	0	0	104	0.71
Super B	855	912	1575	568	118	333	202	183	260	315	397	125	5843	40.09
Logging Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	1881	2230	3410	1257	566	874	730	767	842	839	938	240	14,574	100.00

Unit Type	2000												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	8	7	7	7	6	10	9	12	4	6	7	2	85	0.74
Tandem	11	29	13	6	10	21	8	8	13	24	12	10	165	1.44
5 Axle	246	412	586	164	221	210	204	204	148	214	170	187	2966	25.81
6 Axle	129	376	495	87	70	122	126	128	132	118	127	157	2067	17.99
A Train	70	73	119	57	82	148	117	116	91	75	85	56	1089	9.48
B Train	78	223	195	28	24	33	30	19	33	55	29	66	813	7.08
C Train	10	36	10	2	0	2	1	1	2	6	4	7	81	0.70
Super B	460	671	806	171	88	284	225	215	258	300	361	277	4116	35.82
Logging Truck	39	35	35	0	0	0	0	0	0	0	0	0	109	0.95
Total	1051	1862	2266	522	501	830	720	703	681	798	795	762	11,491	100.00

Note: In December 2001, it is estimated that only one-third of the data was collected due to increased weigh scale closures.
5 Axle Unit Type counts 5 axles or fewer, not including single axle (+drive axle) vehicles

Source: Enterprise Weigh Scale Database.

**Figure 10
Commercial Vehicles Weighed
at the Enterprise Weigh Scale**



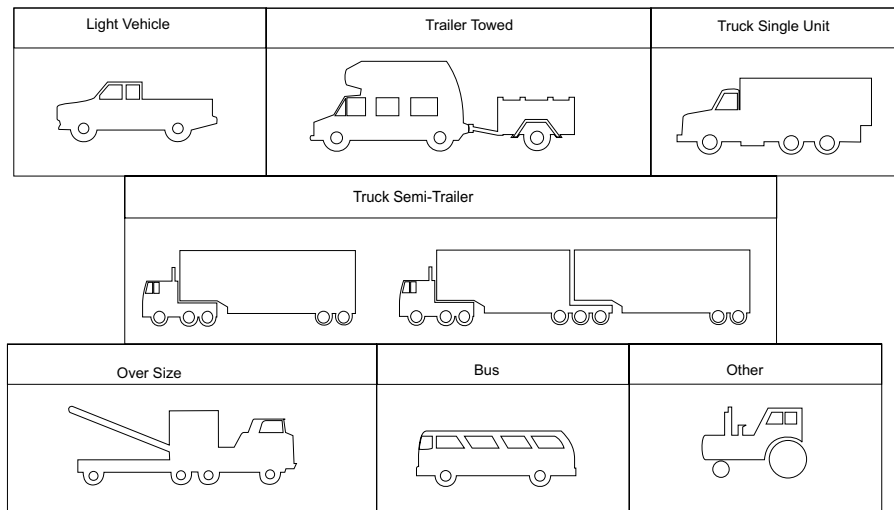
Total Vehicles Weighed

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
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	1,144	976	924	15,902
2002	1,448	2,913	3,358	892	336	1,114	982	854	1,054	1,123	1,128	803	16,005
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

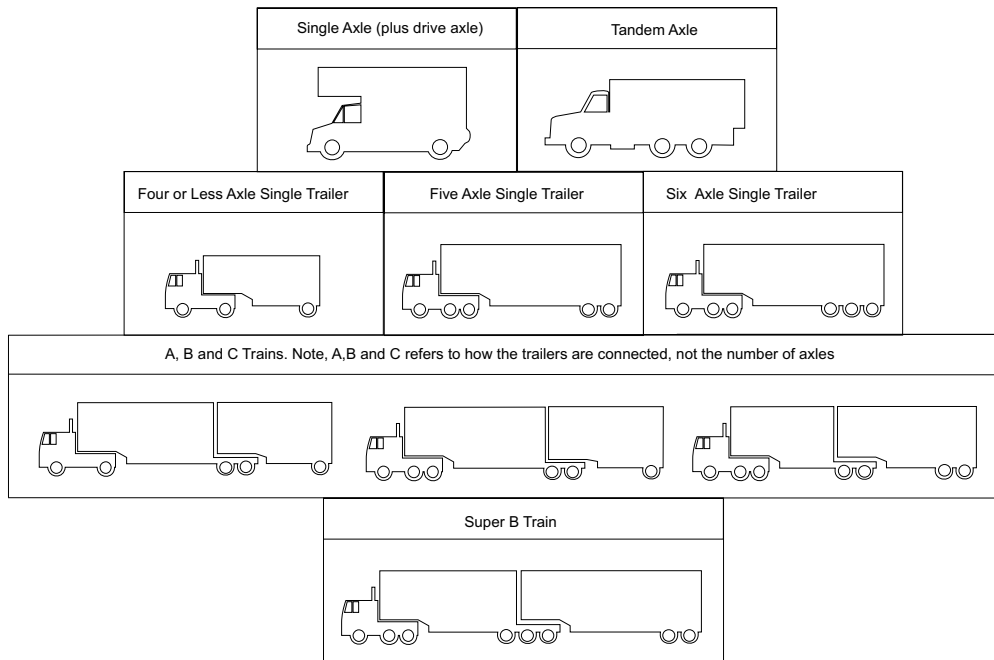
Note: (1) A commercial vehicle is any vehicle with a GVW over 4500 kg.
 (2) In December 2001, it is estimated that only one-third of the data was collected due to weigh scale closures.

Figure 11 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

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 1997. AADT from 1998 through to the present is located in Table 3.
- **Historical Tibbitt to Contwoyto Winter Road Data** - shows the same information contained in Table 7 of the report for 1994-1997

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 Tibbitt to Contwoyto 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 and Policy Division of the Department of Transportation as listed in the Acknowledgements section of this report.