



Government of Northwest Territories
Gouvernement des Territoires du Nord-Ouest

Northwest Territories
2017 Highway Traffic Report

Northwest Territories
Highway Traffic, 2017

Department of Infrastructure
Government of the Northwest Territories
September 2018

Acknowledgements

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If you have any comments or questions related to the content of this report, please contact the Policy, Planning and Communications Division by telephone at (867) 767-9082 ext 31036.

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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 2,345 kilometres of all-weather roads and 1,435 kilometres of winter roads. The highway system also includes four 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 Infrastructure 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 Infrastructure 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 four 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 Infrastructure on the territorial highway network from 1993 to 2017. 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 Infrastructure 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 four ferries that operate on the highway system. The Marine Services Division of the Department of Infrastructure 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 needs arise. No intersection counts were undertaken in 2017.

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 2017, approximately 35 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 batteries and 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.

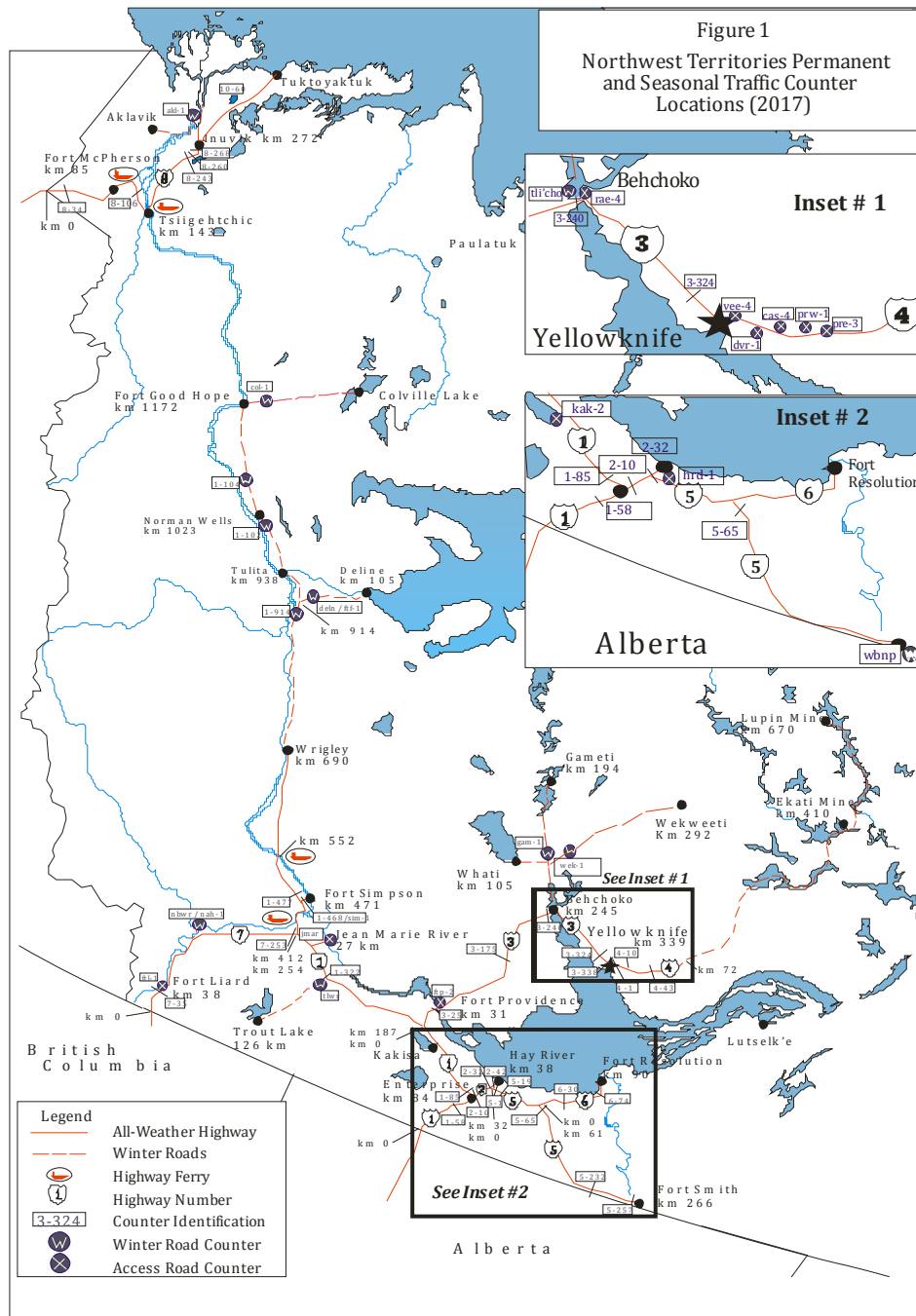


Table 1 Highway System Classification (2017)

Classification	Length (kilometres)					Total
	Paved	Dust- Controlled Gravel	Untreated Gravel	Ferry Crossing	Winter Road	
All-Weather Highways						
Highway 1 (Mackenzie Highway to Wrigley)	321.4	178.7	185.4	2.5	-	688.0
Highway 2 (Hay River Highway)	48.6	-	-	-	-	48.6
Highway 3 (Yellowknife Highway)	339.0	-	-	-	-	339.0
Highway 4 (Ingraham Trail)	49.9	19.4	-	-	-	69.2
Highway 5 (Fort Smith Highway)	268.2	0.0	-	-	-	268.2
Highway 6 (Fort Resolution Highway)	77.8	12.3	0.0	-	-	90.0
Highway 7 (Liard Highway)	20.0	73.2	160.9	-	-	254.1
Highway 8 (Dempster Highway)	10.3	91.5	170.7	-	-	272.5
Highway 10 (Inuvik Tuktoyaktuk Highway)		133.6		-	-	133.6
Total	1,135.1	508.6	517.0	2.5	0.0	2,163.2
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
Detah Access	11.2	0.0	-	-	-	11.2
Hay River Reserve Access	11.0	1.4	1.9	-	-	14.3
Fort Liard Access	1.3	-	4.0	-	-	5.3
Nahanni Butte Access	-		21.3	-	1.0	22.3
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	61.2	20.4	99.8	0.0	1.0	182.4
Winter Roads						
Highway 1 (Mackenzie Highway, Wrigley to FGH)	-	-	-	-	486.4	486.4
Colville Lake Access (opened March 2001)	-	-	-	-	165.0	165.0
Trout Lake Access	-	-	-	-	126.0	126.0
Déline Access	-	-	-	-	105.3	105.3
Wha'ti Winter Road	-	-	-	-	35.0	35.0
Gamèti Winter Road	-	-	-	-	194.0	194.0
Wekweèti Winter Road	-	-	-	-	232.0	232.0
Aklavik Access	-	-	-	-	85.0	85.0
Detah Access	-	-	-	-	6.3	6.3
Total	0.0	0.0	0.0	0.0	1,435.0	1,435.0
Total All-Weather Roads						2,345.6
Total Winter Roads (Department of Infrastructure)						1,435.0

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
3-25	Highway 3	25	1 km north of Deh Cho Bridge
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	0.7 km east 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
10-60	Highway 10	60	60 km north Inuvik Town limits
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
det-1	Dettah	1	0.1 km east of junction with School Draw Avenue
det-6	Dettah	6	0.3 km west of Dettah Village
elwr / lacl	Wha'ti	72	1 km west of junction with Tli Cho Winter Road
gam-1	Gameti	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	1	1.5 km north of junction with Highway 3
tlwr	Trout Lake	1	1 km south of junction with Highway 1
wek-1	Wekweeti	1	1 km east of junction with Tli Cho 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 Department of Infrastructure Policy, Planning and Communications Division.

Personnel with the Policy, Planning and Communications 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 three sections.

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

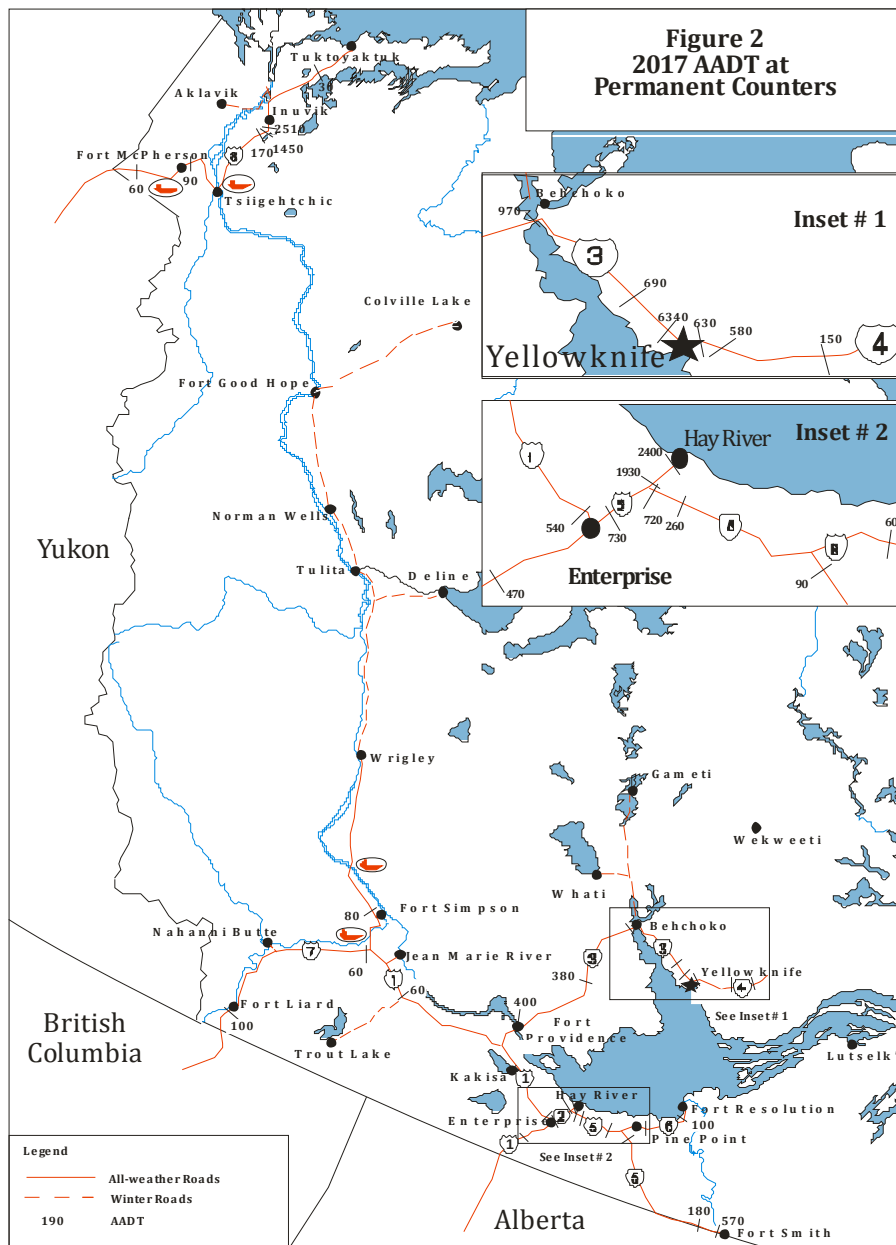
Section 2 presents the traffic information collected at all permanent counter locations and selected mining roads; including traffic volumes, distributions, Deh Cho Bridge traffic, and vehicle kilometres travelled.

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. See Appendix A for actual data.

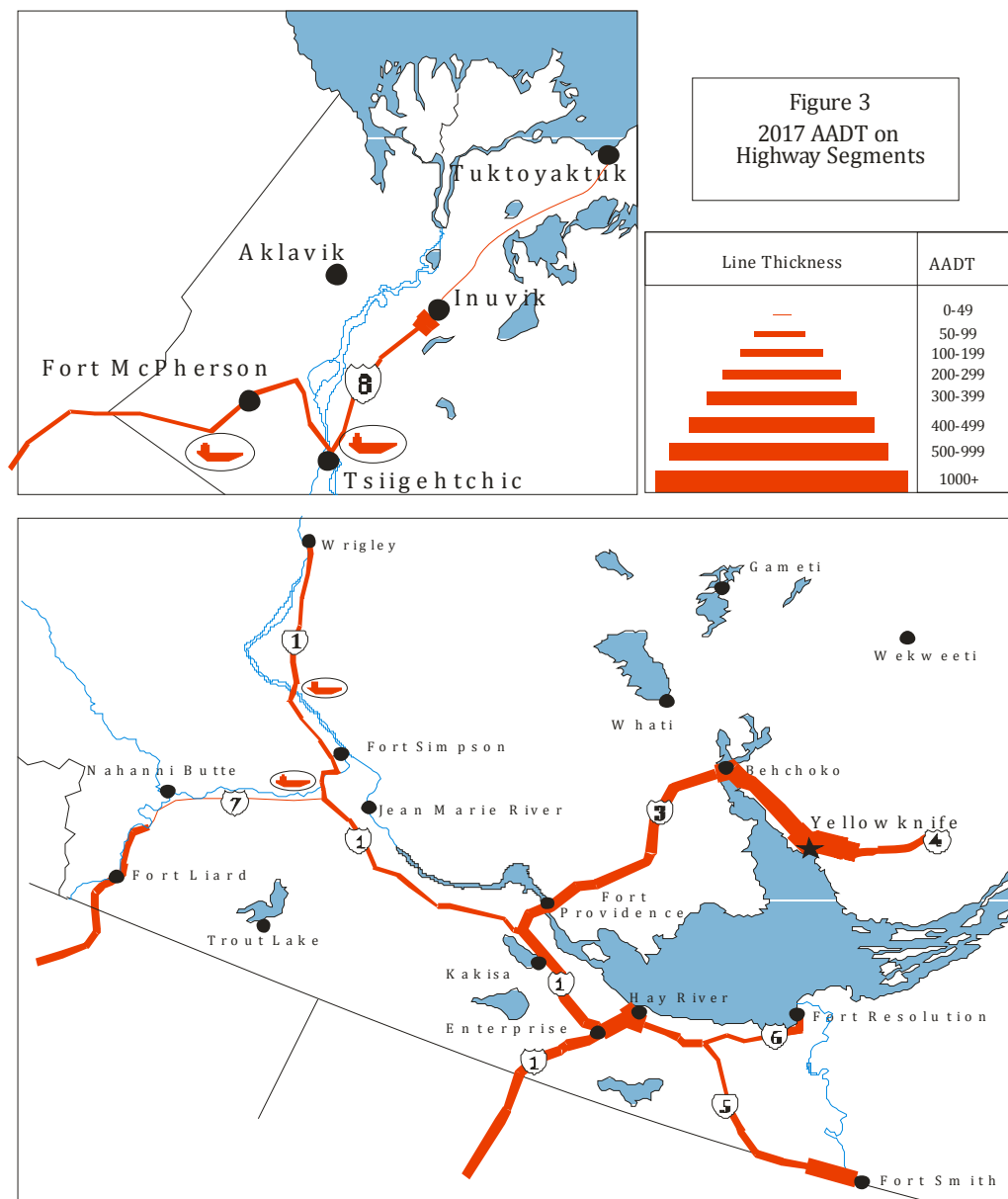


Table 3 Estimated Traffic on Northwest Territories Highways

Highway	Kilometre Counter ID	Description	AADT										PSDT										
			2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
1	58	1-58	15 km south of Alexandra Falls	470	460	450	430	350	260	250	250	250	280	640	620	590	570	460	290	330	250	310	380
1	85	1-85	1.2 km west of Enterprise	540	530	520	500	400	300	290	290	220	330	740	730	690	670	540	400	390	240	210	410
1	322	1-322	0.4 km west of Trout Lake Winter Road	60	60	70	60	60	80	60	70	40	50	70	80	90	70	70	110	90	90	**	**
1	477	1-477	5.2 km west of Fort Simpson Access on Highway 1	80	80	90	80	80	70	120	20	50	50	110	110	120	100	100	90	170	20	**	**
2	10	2-10	10 km north of Enterprise, south of Paradise Gardens	730	720	690	670	640	700	660	430	610	450	980	960	920	890	860	940	1060	520	610	540
2	32	2-32	40 metres north of Highway 2 & 5 intersection	1930	1890	1820	1750	1690	1840	1830	1630	1900	1850	2560	2510	2420	2330	2250	2450	2470	2050	**	**
2	42	2-42	North of West Channel across bridge	2400	2360	2260	2170	2100	2680	2660	2670	3250	2660	3190	3130	3020	2900	2810	3570	3400	3060	3250	3130
3	25	3-25	1 km north of Deh Cho Bridge	400	390	380	370	300	300	270	270	250	320	490	460	460	480	400	370	360	390	340	400
3	175	3-175	53 km north of Chan Lake, 62 km south of Edzo	380	370	360	350	280	280	250	240	250	310	520	510	480	460	370	370	330	350	**	360
3	240	3-240	3 km south of Rae access, south of Frank's Channel	970	950	930	890	950	820	760	840	620	770	1330	1300	1240	1190	1260	1110	830	910	**	760
3	324	3-324	21 km east of Boundry Creek	690	680	660	740	790	680	670	750	640	640	790	780	740	810	1050	850	750	790	820	**
3	338	3-338	0.8 km west of Highway 3 and 4 intersection	6340	6230	6020	6600	6990	6050	5980	6730	5600	5600	8120	7960	8030	8810	9330	7970	7010	7470	**	**
4	1	4-1	1 km north of Highway 3 & 4 intersection	630	680	640	700	1360	1390	1200	1270	1460	900	700	830	790	790	1820	1920	1690	1630	1770	**
4	10	4-10	2.5 km east of Yellowknife River Bridge	580	630	610	670	940	960	1000	820	650	660	570	620	630	690	1250	1260	1230	1130	**	800
4	43	4-43	11 km east of Prelude Lake East Access	150	160	150	170	130	130	150	130	160	130	150	160	160	180	180	190	190	180	**	120
5	1	5-1	1 km east of Highway 2 & 5 intersection	720	710	680	660	640	630	620	620	560	560	960	940	910	880	850	840	830	820	**	**
5	19	5-19	19 km east of Highway 2 & 5 intersection	260	260	250	240	230	230	230	160	230	260	350	340	330	320	310	310	310	210	330	230
5	65	5-65	5 km south of Highway 5 & 6 intersection	90	90	90	90	100	100	110	90	90	110	90	90	90	130	130	130	120	110	**	160
5	232	5-232	25km west of Fort Smith	180	170	170	170	160	160	150	150	130	130	240	240	230	220	210	210	200	200	**	**
5	257	5-257	6.1 km west of Fort Smith	570	560	540	520	500	500	490	500	420	420	760	740	720	690	670	690	670	660	**	**
6	30	6-30	8.5 km east of Pine Point Access	60	60	60	60	30	70	80	80	70	80	40	40	40	40	40	100	100	100	90	90
6	74	6-74	16 km west of Fort Resolution	100	100	100	100	100	100	100	100	80	110	140	140	140	140	130	130	130	130	**	120
7	35	7-35	2.6 km south of Fort Liard	100	100	120	100	100	110	110	80	110	110	120	130	150	130	130	150	150	120	**	**
7	253	7-253	0.3 km south of Highway 1 & 7 intersection	60	60	70	60	60	70	50	40	50	50	80	80	90	80	80	90	70	60	**	**
8	34	8-34	10 km west of Midway Lake	60	60	60	60	70	60	70	70	50	70	90	80	90	90	100	100	100	90	**	250
8	106	8-106	4.6 km north of Fort Mcpherson Access	90	80	90	80	90	120	110	130	150	120	110	100	120	110	120	170	160	160	160	160
8	243	8-243	1 km south of Cabin Creek	170	160	140	150	130	110	110	110	80	80	220	210	190	200	170	150	150	130	**	**
8	260	8-260	0.7 km north of airport access	1450	1370	1200	1250	1120	960	960	970	740	740	1910	1810	1600	1670	1490	1270	1300	1300	**	**
8	268	8-268	1.3 km south of Inuvik	2510	2380	2090	2180	1940	1660	1680	1700	1370	1370	3310	3150	2780	2900	2590	2210	2270	2140	**	**

Note: ** 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
			1995							553	614	621	644	581	389	584
Dettah	1	dvr-1	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	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	94	78	143
			1994	69	65	68	96	110	138	128	140	123				135
			1993						114	97	109	103	87	76	73	107
Vee Lake	4.3	vee-4	2005			75	65	58	72	68	59	45	35	20		66
			2004	40	61	55		59								
			2003													
			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		216
			1997						290	290	253	141	64			278
			1996						331	256	243	127	90	101		277
			1995										83	50		
			1994													
			1993							239		117	85	63		239
Prelude Lake East	3	pre-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	2011	1227	1173	1803										
			2010						1622	1524	1551	1467	1327	1216	1528	1566
			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
Jean Marie River	1	jmar	2011	24	6	33										
			2010						2	18	30	17	44	31	10	17
			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

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	2018	22-Dec-2017	26-Apr-2018	125			28	42	82	79
			2017	9-Dec-2016	29-Apr-2017	141			50	55	78	89
			2016	11-Dec-2015	24-Apr-2016	135			41	10	48	74
			2015	3-Dec-2014	23-Apr-2015	141		61	34	48	59	75
			2014	11-Dec-2013	29-Apr-2014	139			41	51	70	
			2013	11-Dec-2012	7-May-2013	147				60	92	105
			2012	7-Dec-2011	25-Apr-2012	140				53	60	193
			2011	22-Dec-2010	11-May-2011	140				51	87	80
			2010	21-Dec-2009	20-Apr-2010	120				28	24	98
			1996	19-Dec-1995	26-Apr-1996	129				32	49	43
Colville Lake	1	col-1	2018	16-Dec-2017	11-Apr-2018	116			15	20	19	15
			2017	17-Dec-2016	2-Apr-2017	106			19	19	15	
			2016	21-Dec-2015	4-Apr-2016	105			16	15	16	
			2015	17-Dec-2014	31-Mar-2015	104			49	24	127	
			2014	28-Dec-2013	16-Apr-2014	109			7	17	17	15
			2012	20-Dec-2011	2-Apr-2012	104				23	26	17
			2011	14-Dec-2010	29-Mar-2011	105				23	18	
			2009	19-Dec-2008	5-Apr-2009	107			16	21	16	
			2008	14-Dec-2007	9-Apr-2008	117			11	21	21	
			2007	4-Jan-2007	31-Mar-2007	86			18	14	27	
Deline	1	deln	2018	25-Jan-2018	13-Apr-2018	78			15	32	36	10
			2017	27-Jan-2017	2-Apr-2017	65			16	52	77	
			2016	21-Dec-2015	31-Mar-2016	101			13	41	56	
			2015	9-Jan-2015	31-Mar-2015	81			16	23	25	
			2014	19-Dec-2013	14-Apr-2014	116				19	32	22
			2013	22-Jan-2013	2-Apr-2013	70				115	31	
			2012	30-Dec-2011	2-Apr-2012	94				24	28	6
			2011	10-Jan-2011	29-Mar-2011	78			17	47	24	
			2010	28-Jan-2010	31-Mar-2010	62				17	32	
			2009	20-Jan-2009	5-Apr-2009	75			14	32	31	
Detiah Ice Road (Yellowknife Side)	1	detiah-1	2018	5-Jan-2018	18-Apr-2018	103			602	702	898	690
			2017	6-Jan-2017	7-Apr-2017	91			271	240	425	419
			2016	2-Jan-2016	18-Apr-2016	107			592	447	391	319
			2015	19-Dec-2014	12-Apr-2015	114	1097		995	1024	1534	1303
			2014	13-Dec-2013	21-Apr-2014	129	1146		1216	1168	1592	1404
			2013	20-Dec-2012	17-Apr-2013	118			995	1053	1657	1185
			2012	31-Dec-2011	20-Apr-2012	111			1536	1587	1640	1318
			2011	16-Dec-2010	27-Apr-2011	132	1137		932	977	1144	1249
			2010	24-Dec-2009	8-Apr-2010	105			1048	1046	1211	1477
			2008	21-Dec-2007	11-Apr-2008	112			1090	1225	1548	1337
Detiah Ice Road (Detiah Side)	6	detiah-6	2018	5-Jan-2018	18-Apr-2018	103			280	338	394	388
			2017	6-Jan-2017	7-Apr-2017	91			520	244	425	391
			2016	2-Jan-2016	18-Apr-2016	107			468	458	453	433
			2015	19-Dec-2014	12-Apr-2015	114	527		564	522	626	632
			2014	13-Dec-2013	21-Apr-2014	129	228		237	276	303	347
			2013	20-Dec-2012	17-Apr-2013	118			270	301	332	289
			2012	31-Dec-2011	20-Apr-2012	111			446	428	425	462
			2011	16-Dec-2010	27-Apr-2011	132	276		252	282	389	352
			2010	24-Dec-2009	8-Apr-2010	105			471	483	505	578
			2009	23-Dec-2008	13-Apr-2009	111			575	538	599	604
Gameti	72	lacr	2018	5-Feb-2018	24-Apr-2018	78				23	30	28
			2017	6-Feb-2017	8-Apr-2017	61					34	49
			2016	29-Feb-2016	12-Apr-2016	43				29	39	43
			2015	16-Feb-2015	15-Apr-2015	58				47	38	44
			2014	18-Feb-2014	22-Apr-2014	63				22	35	31
			2013	13-Feb-2013	21-Apr-2013	67				39	59	55
			2012	17-Feb-2012	19-Apr-2012	62				32	42	55
			2011	5-Feb-2011	8-Apr-2011	62				21	33	43
			2009	21-Feb-2009	14-Apr-2009	52					46	34
			2008	28-Feb-2008	11-Apr-2008	43					43	55
Highway No. 1 (Wrigley)	695	1-695	2006	19-Dec-2005	7-Apr-2006	109			53	74	85	
			2005	13-Dec-2004	1-Apr-2005	109			39	49	51	
Highway No. 1 (Deline Junction)	914	1-914	2018	16-Dec-2017	11-Apr-2018	116			21	68	65	7
			2017	17-Dec-2016	2-Apr-2017	106			58	94	111	
			2016	21-Dec-2015	31-Mar-2016	101			48	73	81	
			2015	20-Dec-2014	31-Mar-2015	101			85	65	72	
			2014	27-Dec-2013	14-Apr-2014	108			81	102	106	18
			2013	16-Dec-2012	2-Apr-2013	107				115	156	
			2012	20-Dec-2011	2-Apr-2012	104				61	77	22
			2011	23-Dec-2010	29-Mar-2011	96			22	47	59	
			2010	23-Dec-2009	31-Mar-2010	98				17	23	
			2009	23-Dec-2008	5-Apr-2009	103			15	32	55	
Highway No. 1 (Norman Wells South)	1022	1-102	2018	16-Dec-2017	9-Apr-2018	114			57	85	57	40
			2017	17-Dec-2016	2-Apr-2017	106			81	134	91	
			2016	21-Dec-2015	31-Mar-2016	101			95	126	122	
			2015	17-Dec-2014	31-Mar-2015	104			100	108	88	
			2014	28-Dec-2013	14-Apr-2014	107			84	135	168	47
			2013	19-Dec-2012	2-Apr-2013	104				159	169	
			2012	20-Dec-2011	2-Apr-2012	104				88	102	24
			2010	23-Dec-2009	31-Mar-2010	98				78	79	
			2009	16-Dec-2008	5-Apr-2009	110			50	66	108	
			2008	8-Dec-2007	9-Apr-2008	123			45	98	100	

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	2018	16-Dec-2017	9-Apr-2018	114		26	36	40	38			34
			2017	17-Dec-2016	2-Apr-2017	106		63	71	69				68
			2016	21-Dec-2015	31-Mar-2016	101		21	37	53				37
			2015	17-Dec-2014	31-Mar-2015	104		23	32	39				31
			2014	28-Dec-2013	14-Apr-2014	107		24	35	42	29			33
			2013	19-Dec-2012	2-Apr-2013	104			25	31				28
			2012	20-Dec-2011	2-Apr-2012	104			33	29	23			31
			2011	14-Dec-2010	29-Mar-2011	105		43	38	49				43
			2010	23-Dec-2009	31-Mar-2010	98			36	39				38
			2009	16-Dec-2008	5-Apr-2009	110		33	37	37				36
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	2014	30-Jan-2014	1-Apr-2014	61		212	373	283				322
			2012	1-Feb-2012	28-Mar-2012	56			292	253				273
			2011	28-Jan-2011	31-Mar-2011	62		136	390	286				323
			2010	4-Feb-2010	21-Mar-2010	45			289	189				246
			2009	1-Feb-2009	25-Mar-2009	52			518	303				417
			2008	28-Jan-2008	7-Apr-2008	70			553	349	49			406
			2007	28-Jan-2007	8-Apr-2007	70		251	482	323	67			353
			2006	5-Feb-2006	26-Mar-2006	49			167	243				204
Tli'Cho	1	tli'cho	2017	26-Jan-2017	8-Apr-2017	72		342	366	372	165			345
			2016	5-Feb-2016	12-Apr-2016	67			487	473	339			456
			2015	19-Jan-2015	15-Apr-2015	86		87	85	115	108			100
			2014	24-Jan-2014	22-Apr-2014	88		75	233	385	183			259
			2013	22-Jan-2013	21-Apr-2013	89		66	98	299	175			182
			2012	25-Jan-2012	19-Apr-2012	85			38	38	53			42
			2011	14-Jan-2011	8-Apr-2011	84		78	78	104	77			87
			2010	20-Jan-2010	11-Apr-2010	81		95	72	120	165			106
			2009	23-Jan-2009	14-Apr-2009	81			81	142	111			113
			2008	8-Feb-2008	11-Apr-2008	63			100	163	148			135
Trout Lake	1	tlwr	2018	20-Dec-2017	31-Mar-2018	101		6	6	6	3			6
			2017	23-Dec-2016	8-Apr-2017	106		12	9	21				14
			2016	21-Dec-2015	31-Mar-2016	101		6	6	6	3			6
			2015	17-Dec-2014	31-Mar-2015	104		3	2	5				3
			2014	23-Dec-2013	9-Apr-2014	107		7	5	5				6
			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	23-Jan-1998	16-Mar-1998	52				5				5
Tuktoyaktuk	1	tuk-1	2017	9-Dec-2016	29-Apr-2017	141		134	123	167	187			153
			2016	11-Dec-2015	24-Apr-2016	135		198	151	232	222			200
			2015	3-Dec-2014	23-Apr-2015	141	92	75	96	220	198			134
			2014	23-Dec-2013	29-Apr-2014	127		101	112	149				121
			2013	13-Dec-2012	7-May-2013	145			125	200	179	146		168
			2012	10-Dec-2011	25-Apr-2012	137			111	130	330			182
			2011	22-Dec-2010	3-May-2011	132			106	190	137	77		143
			2010	18-Dec-2009	20-Apr-2010	123			113	137	350			182
			2009	18-Dec-2008	26-Apr-2009	129		131	130	204	178	53		161
			1997	20-Dec-1996	25-Apr-1997	126	30	44	61					48
Wha'ti	72	wti-1	2018	24-Jan-2018	24-Apr-2018	90			77	64	34			60
			2017	26-Jan-2017	8-Apr-2017	72		65	50	53	59			53
			1997	20-Jan-1997	25-Mar-1997	64		31	45	64				50
			1996	15-Jan-1996	20-Mar-1996	65								
			1995	13-Jan-1995	29-Mar-1995	75								
Wekweeti	1	wek-1	2018	22-Feb-2018	24-Apr-2018	61			24	21	20			22
			2017	3-Mar-2017	8-Apr-2017	36				14	31			17
			2016	14-Mar-2016	12-Apr-2016	29				38	48			41
			2015	7-Mar-2015	15-Apr-2015	39				23	13			20
			2014	7-Mar-2014	22-Apr-2014	46			4	20	20			14
			2013	7-Mar-2013	9-Apr-2013	33			52	126	23			82
			2012	6-Mar-2012	10-Apr-2012	35				59	77			63
			2011	14-Feb-2011	7-Apr-2011	52			24	46	60			38

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

[illegible]

Table 7 Truck Traffic on the Tibbitt to Contwoyto Winter Road [1]

		Gahcho Kue ⁽¹⁾	BHP Diamonds Ekati Mine	Diavik Diamond Mines Inc.	DeBeers Snap Lake	Tahera	Mineral Exploration Traffic	Total
2018	Total Tonnage	66,951	88,612	115,060	0	0	8,080	278,703
	Total Trucks	1,972	2,610	3,389	0	0	238	8,209
2017	Total Tonnage	61,590	84,935	114,778	12,608	0	5,573	279,484
	Total Trucks	2,030	2,556	3,294	159	0	270	8,309
2016	Total Tonnage	40,100	93,403	115,352	7,509	0	5,995	262,359
	Total Trucks	1,640	3,294	3,941	388	0	344	9,607
2015	Total Tonnage	61,151	83,045	106,031	51,726	0	3,262	305,215
	Total Trucks	2,224	2,078	2,758	1,771	0	84	8,915
2014	Total Tonnage	14,092	83,561	89,817	54,737	0	1,721	243,928
	Total Trucks	659	2,249	2,520	1,570	0	71	7,069
2013	Total Tonnage	0	64,051	111,659	42,116	0	4,296	222,122
	Total Trucks	0	1,649	2,888	1,277	0	203	6,017
2012	Total Tonnage	0	69,351	89,045	46,137	0	4,693	209,226
	Total Trucks	0	2,272	2,947	1,755	0	225	7,199
2011	Total Tonnage	0	64,594	127,375	42,619	0	4,457	239,045
	Total Trucks	0	1,967	3,863	1,373	0	186	7,389
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 (2)	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

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.

2018 season	61 days (January 30 - April 1)
2017 season	56 days (February 1 - March 29)
2016 season	44 days (February 9 - March 24)
2015 season	60 days (January 30 - March 31)
2014 season	61 days (January 30 - April 1)
2013 season	60 days (January 30 - March 31)
2012 season	56 days (February 1 - March 28)
2011 season	62 days (January 28 - March 31)
2010 season	45 days (February 4 - March 21)
2009 season	52 days (February 1 - March 25)
2008 season	70 days (January 28 - April 7)

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) For data preceeding 2008, 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	AADT										Vehicle Kilometres Traveled (Millions)											
			(km)	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008		
1	58	Alberta Border to Enterprise	84.2	470	460	450	430	350	260	250	250	250	280	14.3	14.1	13.7	13.2	10.6	7.9	7.7	7.7	7.7	8.6		
1	85	Enterprise to Junction with Hwy #3	103.4	540	530	520	500	400	300	290	290	220	330	20.5	20.2	19.7	19.0	15.3	11.3	10.8	11.0	8.4	12.7		
		1 Arterial	187.6											34.9	34.3	33.3	32.1	25.9	19.1	18.5	18.7	16.0	21.3		
2	10	Enterprise to Junction with Hwy #5	37.5	730	720	690	670	640	700	660	430	610	450	10.0	9.9	9.5	9.1	8.8	9.6	9.1	5.9	8.3	6.1		
2	32	Junction with Hwy #5 to Hay River (West Channel Bridge)	6.2	1930	1890	1820	1750	1690	1840	1830	1630	1900	1850	4.4	4.3	4.1	4.0	3.8	4.2	4.1	3.7	4.3	4.2		
2	42	1 km south Airport Access, 5 km north West Channel Bridge	2400	2360	2260	2170	2100	2680	2660	2670	3250	2660													
		2 Arterial	43.7											14.4	14.2	13.6	13.1	12.6	13.8	13.2	9.6	12.6	10.3		
3	26	Junction with Hwy #1 to Fort Providence Access	44.1	400	390	380	370	300	300	270	270	250	320	6.5	6.3	6.1	5.9	4.8	4.7	4.3	4.3	4.1	5.1		
3	175	Fort Providence Access to Edzo Access	192.4	380	370	360	350	280	280	250	240	250	310	26.5	26.1	25.5	24.4	19.7	19.4	17.3	16.8	17.5	21.8		
3	240	Edzo Access to Rae Access	8.5	970	950	930	890	950	820	760	840	620	770	3.0	3.0	2.9	2.8	2.9	2.5	2.4	2.6	1.9	2.4		
3	324	Rae Access to Yellowknife Access (Old Airport Road)	88.5	690	680	660	740	790	680	670	750	640	640	22.3	21.9	21.4	23.9	25.4	22.0	21.6	24.1	20.7	20.7		
3	337	Old Airport Road Junction to Junction with Hwy #4	5.3	6340	6230	6020	6600	6990	6050	5980	6730	5600	5600	12.3	12.1	11.6	12.8	13.5	11.7	11.6	13.0	10.8	10.8		
		3 Arterial	338.8											70.6	69.4	67.6	69.7	66.3	60.3	57.2	60.9	55.0	60.8		
		Total Arterial	570											119.9	117.8	114.5	114.9	104.8	93.3	88.8	89.2	83.6	92.4		
1	322	Junction with Hwy #3 to Junction with Hwy #7	268.8	60	60	70	60	60	80	60	70	40	50	5.5	5.7	6.4	5.4	5.5	7.8	6.3	6.5	3.9	4.9		
*1	468	Junction with Hwy #7 to Fort Simpson Access	14.9	130	130	150	130	130	180	260	270	230	240	0.7	0.7	0.8	0.7	0.7	1.0	1.4	1.5	1.3	1.3		
1	477	Fort Simpson Access to Wrigley	79.2	80	80	90	80	80	70	120	20	50	50	2.4	2.4	2.6	2.2	2.3	1.9	3.6	0.6	1.4	1.4		
		1 Collector	362.9											8.6	8.8	9.9	8.3	8.4	10.7	11.3	8.5	6.6	7.7		
4	1	Junction with Hwy #3 to Vee Lake Access	5	630	680	640	700	1360	1390	1200	1270	1460	900	1.1	1.2	1.2	1.3	2.5	2.5	2.2	2.3	2.7	1.6		
4	10	Vee Lake Access to Prelude Lake East Access	11.8	580	630	610	670	940	960	1000	820	650	660	2.5	2.7	2.6	2.9	4.0	4.2	4.3	3.6	2.8	2.9		
4	43	Prelude Lake East Access to Tibbitt Lake	52.4	150	160	150	170	130	130	150	130	160	130	2.8	3.0	2.9	3.2	2.5	2.6	2.8	2.4	3.0	2.4		
		4 Collector	69.2											6.4	7.0	6.7	7.4	9.0	9.3	9.3	8.3	8.5	6.9		
5	1	Junction with Hwy #2 to Hay River Reserve Access	2.5	720	710	680	660	640	630	620	620	560	560	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5		
5	19	Hay River Reserve Access to Junction with Hwy #6	57.9	260	260	250	240	230	230	230	160	230	260	5.5	5.4	5.2	5.0	4.9	4.9	4.8	3.5	4.8	5.5		
5	65	Junction with Hwy #6 to Salt River Village Access Road	187.8	90	90	90	90	100	100	110	90	90	110	5.9	5.9	5.9	5.9	6.6	6.6	7.3	5.8	6.0	7.4		
5	232	Salt River Village Access Road to Trout Street	13.5	180	170	170	170	160	160	150	150	130	130	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.8	0.6	0.6		
5	257	Fort Smith Access (Trout St.) to King St. Intersection	4.3	570	560	540	520	500	500	490	500	420	420	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7		
		5 Collector	266											13.8	13.7	13.5	13.2	13.6	13.7	14.1	11.4	12.6	14.7		
6	30	Junction with Hwy #5 to Little Buffalo Village Road	68.3	60	60	60	60	30	70	80	80	70	80	1.5	1.5	1.5	1.5	0.8	1.6	1.9	1.9	1.9	2.1		
6	74	Little Buffalo Village Road to Fort Resolution	21.7	100	100	100	100	100	100	100	100	80	110	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.8		
		6 Collector	90											2.3	2.3	2.3	2.3	1.6	2.4	2.7	2.7	2.5	2.9		
7	35	BC Border to Fort Liard	37.6	100	100	120	100	100	110	110	80	110	110	1.3	1.4	1.6	1.3	1.4	1.5	1.5	1.1	1.5	1.5		
7	253	Fort Liard to Junction with Hwy #1	216.5	60	60	70	60	60	70	50	40	50	50	4.7	4.9	5.5	4.6	4.8	5.2	3.7	3.3	4.0	4.0		
		7 Collector	254.1											6.0	6.3	7.1	5.9	6.1	6.8	5.2	4.4	5.5	5.5		
8	34	Yukon Border to Fort McPherson Access	85.4	60	60	60	60	70	60	70	70	50	70	1.9	1.9	1.9	1.9	2.3	2.0	2.0	2.1	1.7	2.2		
8	106	Fort McPherson Access to Mackenzie River Ferry	57.2	90	80	90	80	90	120	110	130	150	120	1.8	1.7	1.8	1.7	1.8	2.4	2.2	2.7	3.1	2.6		
8	243	Mackenzie River Ferry to Airport Access Road	116.7	170	160	140	150	130	110	110	110	80	80	7.4	7.0	6.1	6.2	5.5	4.7	4.6	4.5	3.3	3.3		
8	259	Airport Access Road to Tuk Park Access Road	6.1	1450	1370	1200	1250	1120	960	960	970	740	740	3.2	3.1	2.7	2.8	2.5	2.1	2.1	2.2	1.6	1.6		
8	268	Tuk Park Access Road to Inuvik	3.9	2510	2380	2090	2180	1940	1660	1680	1700	1370	1370	3.6	3.4	3.0	3.1	2.8	2.4	2.4	2.4	1.9	1.9		
		8 collector	269.3											17.9	17.0	15.5	15.7	14.9	13.6	13.3	13.8	11.8	11.7		
		Total Collector	1312											55.0	55.2	55.0	52.8	53.7	56.5	55.9	49.1	47.4	49.3		
		Total Vehicle Kilometres Travelled												174.9	173.0	169.5	167.7	158.5	149.8	144.8	138.3	131.0	141.7		

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

Percent increase from 2009 to 2010 = 5.5% (Arterial increase = 6.7%; Collector increase = 3.5%)

Percent increase from 2010 to 2011 = 4.7% (Arterial increase = -0.4%; Collector increase = 13.9%)

Percent increase from 2011 to 2012 = 3.5% (Arterial increase = 5%; Collector increase = 1.1%)

Percent increase from 2012 to 2013 = 5.8% (Arterial increase = 12.4%; Collector increase = -5%)

Percent increase from 2013 to 2014 = 5.8% (Arterial increase = 9.6%; Collector increase = -1.8%)

Percent increase from 2014 to 2015 = 1.1% (Arterial increase = -0.3%; Collector increase = 4.1%)

Percent increase from 2015 to 2016 = 2.1% (Arterial increase = 2.9%; Collector increase = 0.4%)

Average annual percent increase from 2008 to 2017 = 2.6% (Arterial increase = 3.3%; Collector increase = 1.3%)

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 4 Estimated Vehicle Kilometres Travelled on Northwest Territories Highways

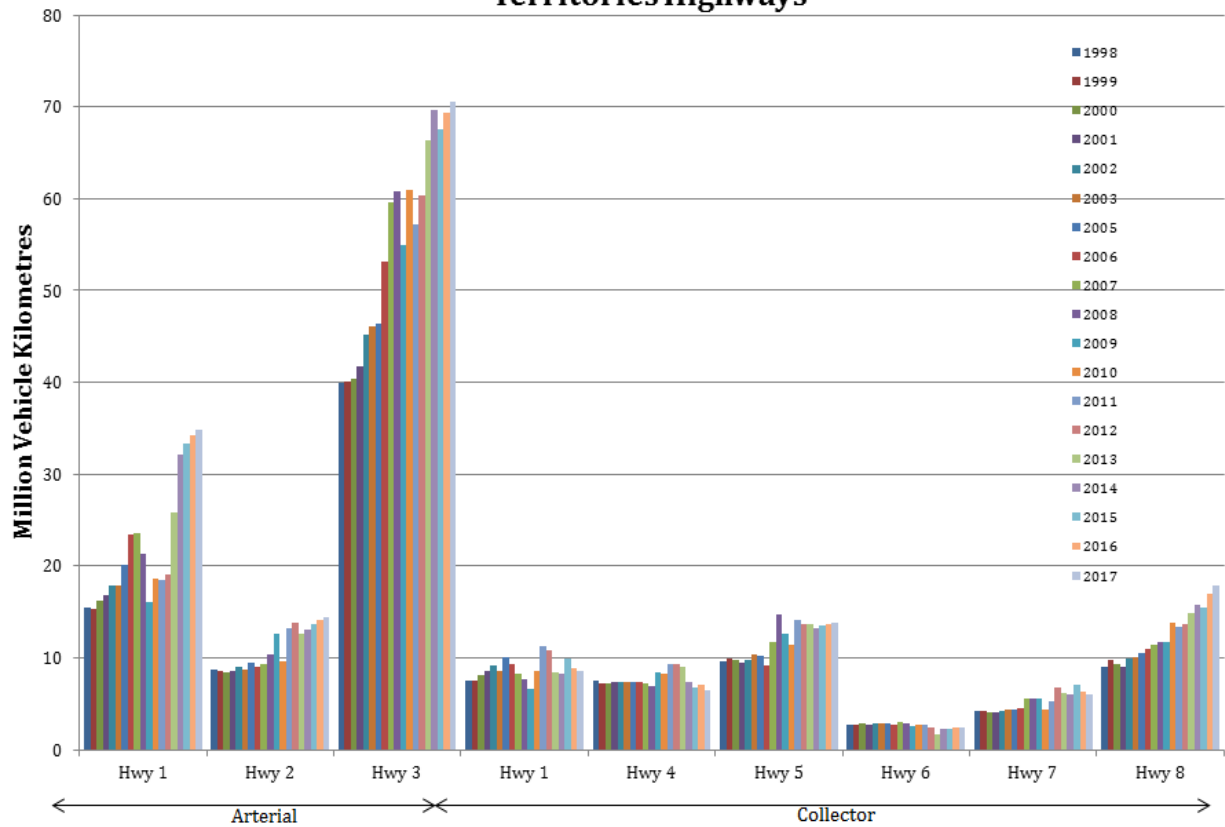
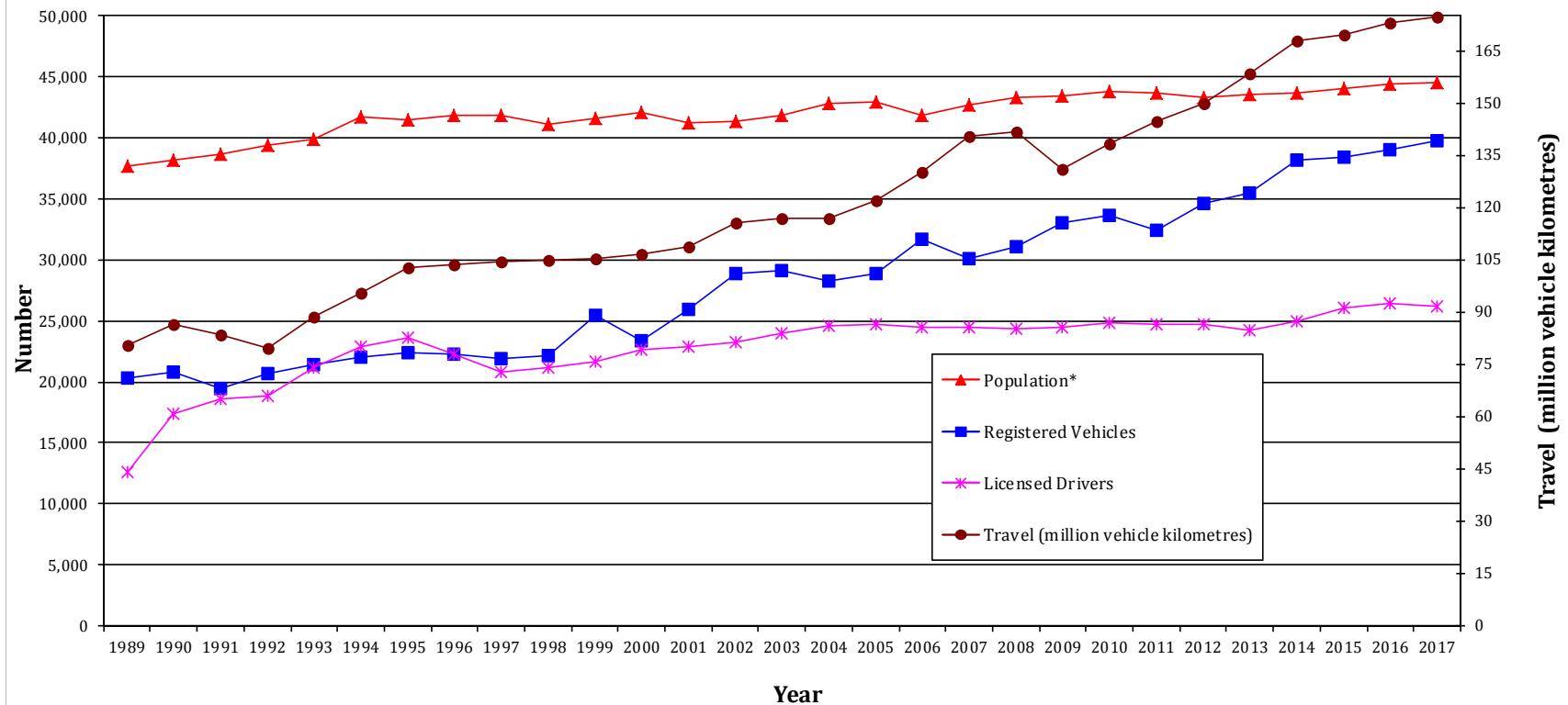


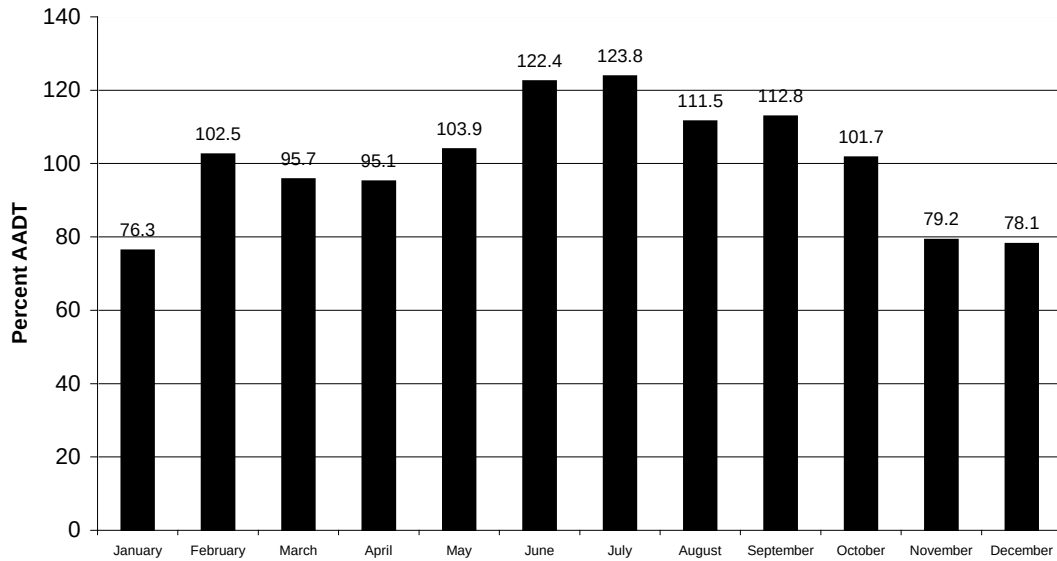
Figure 5 Yearly Trend in Road-Related Indicators



Indicators	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Population*	41,900	42,810	42,982	41,861	42,637	43,282	43,439	43,759	43,675	43,349	43,537	43,623	44,088	44,469	44,520
Registered Vehicles	29,106	28,305	28,934	31,664	30,078	31,042	33,036	33,688	32,391	34,655	35,469	38,185	38,393	38,967	39,706
Licensed Drivers	24,040	24,641	24,703	24,432	24,442	24,323	24,449	24,785	24,691	24,745	24,186	24,942	26,094	26,408	26,158
Travel (million vehicle kilometre)	117.0	117.0	122.0	130.0	140.6	141.7	131.0	138.3	144.8	149.8	158.5	167.7	169.5	173.0	174.9

*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)

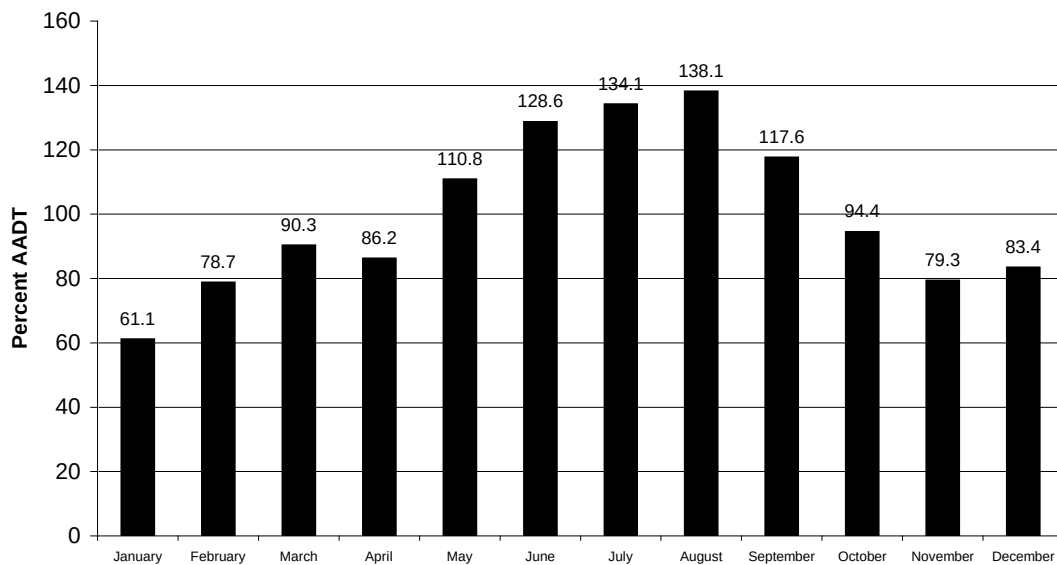
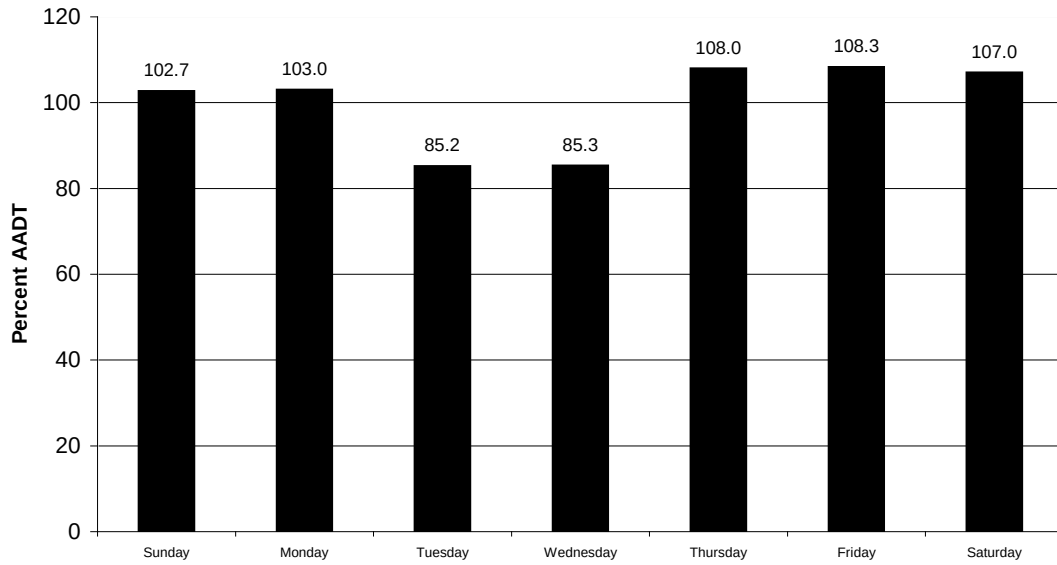


Figure 7
Distribution of Daily Traffic
Typical Near Urban Highway
(Hwy 3, Km 338)



Typical Rural Highway
(Hwy 5, Km 65)

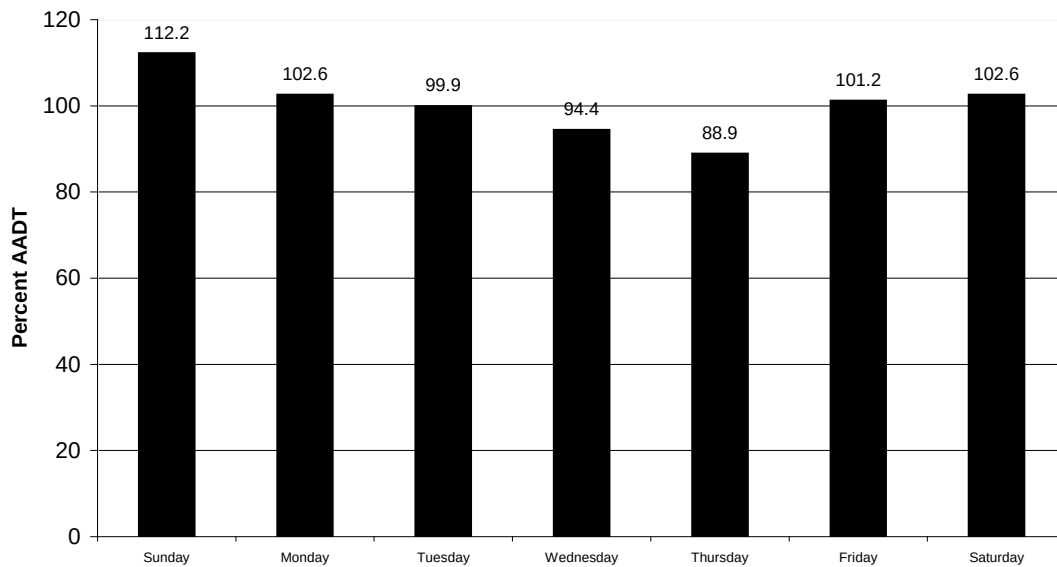
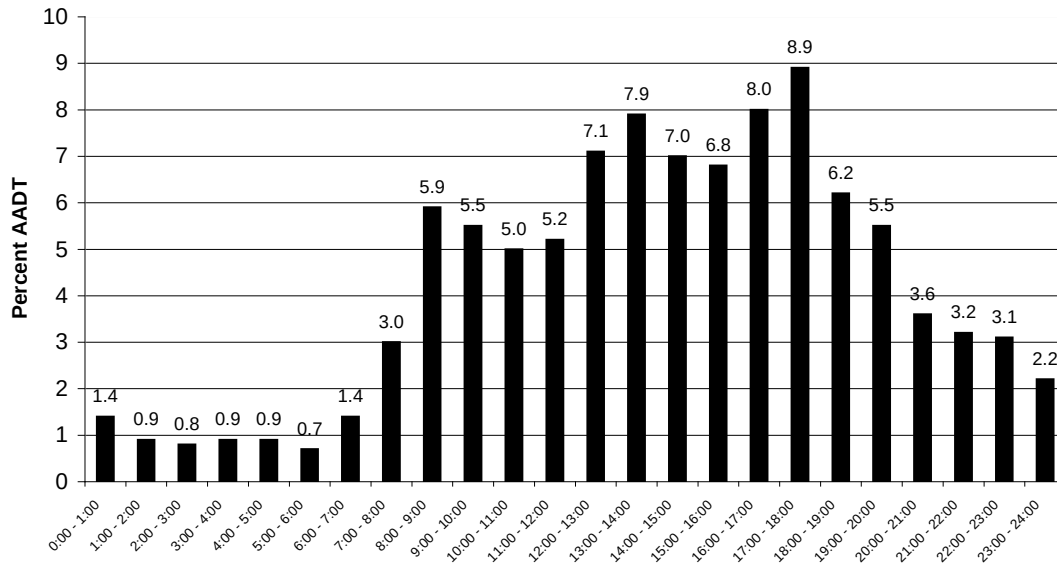


Figure 8
Distribution of Hourly Traffic
Typical Near Urban Highway
(Hwy 3, Km 338)



Typical Rural Highway
(Hwy 5, Km 65)

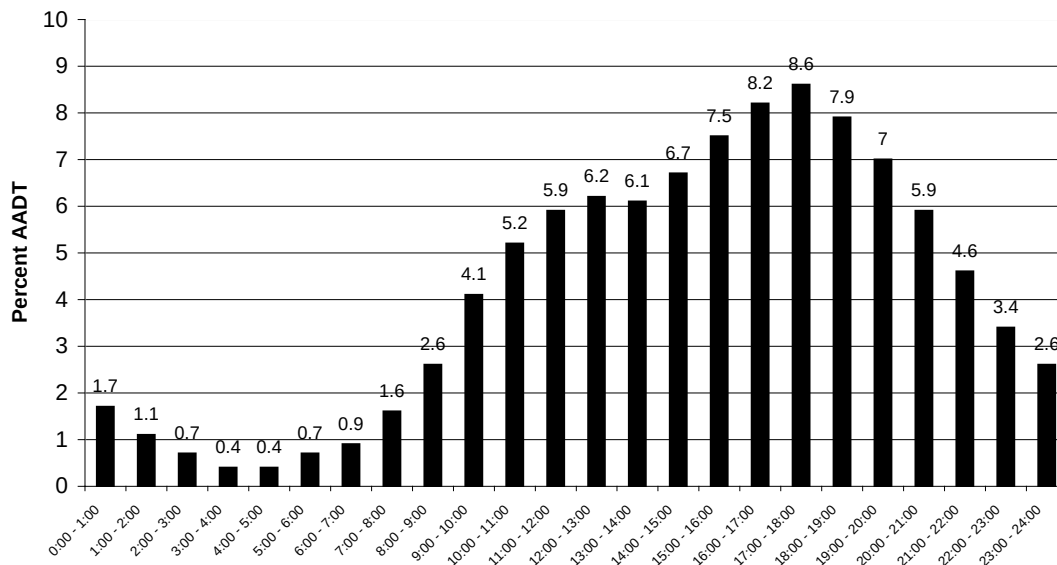
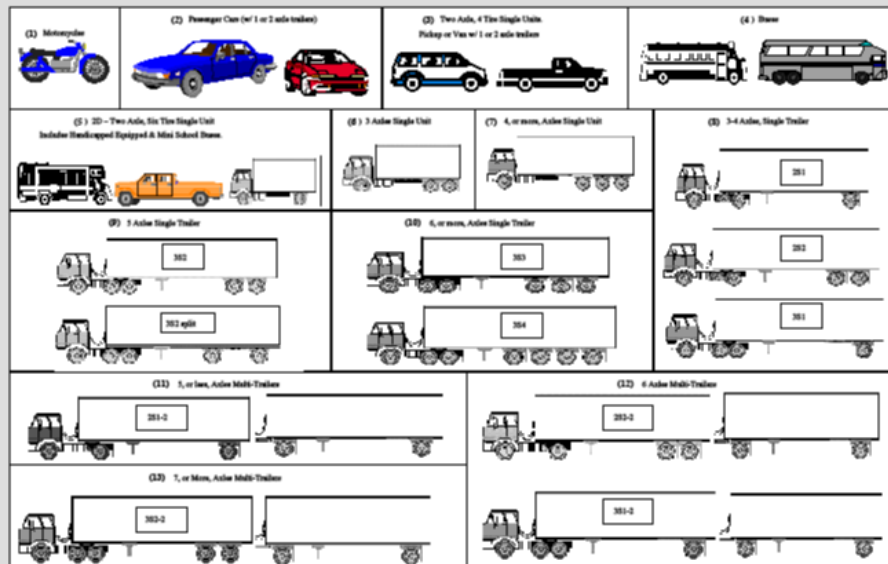
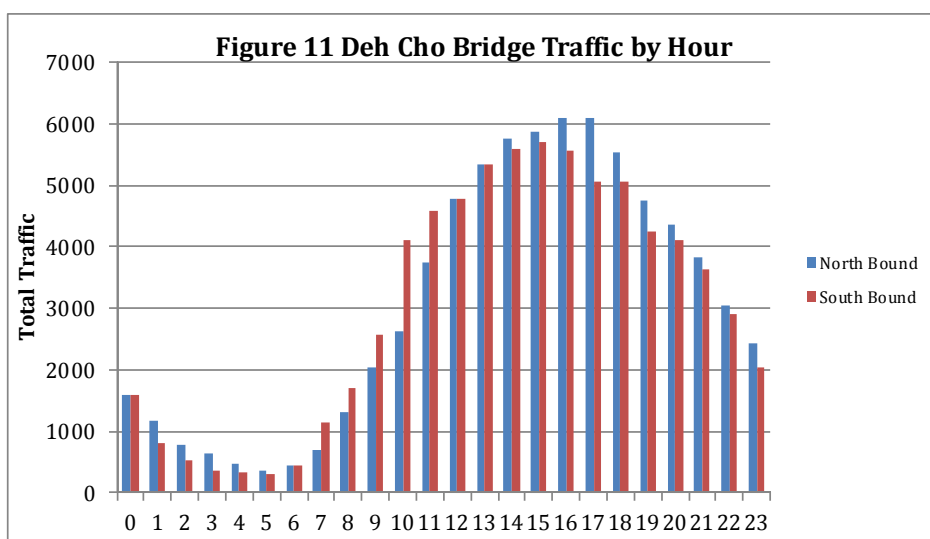
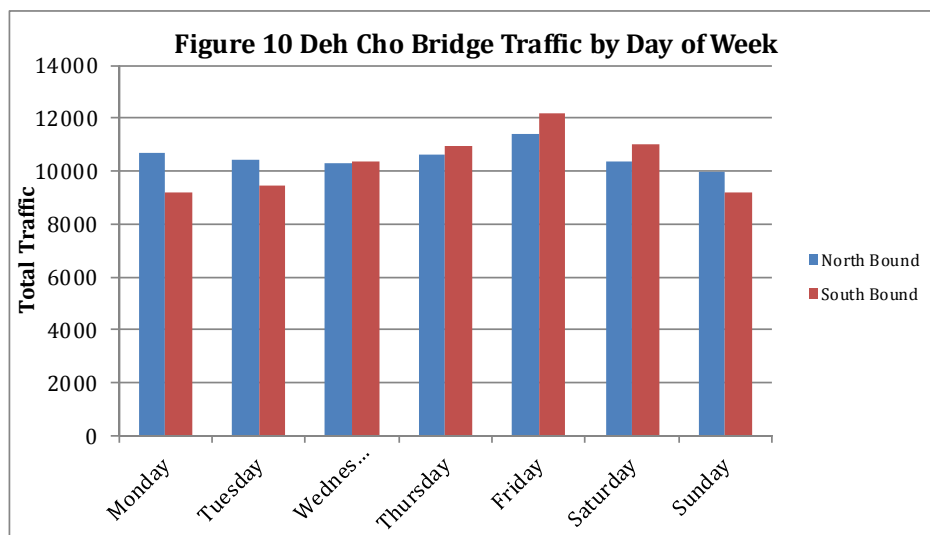
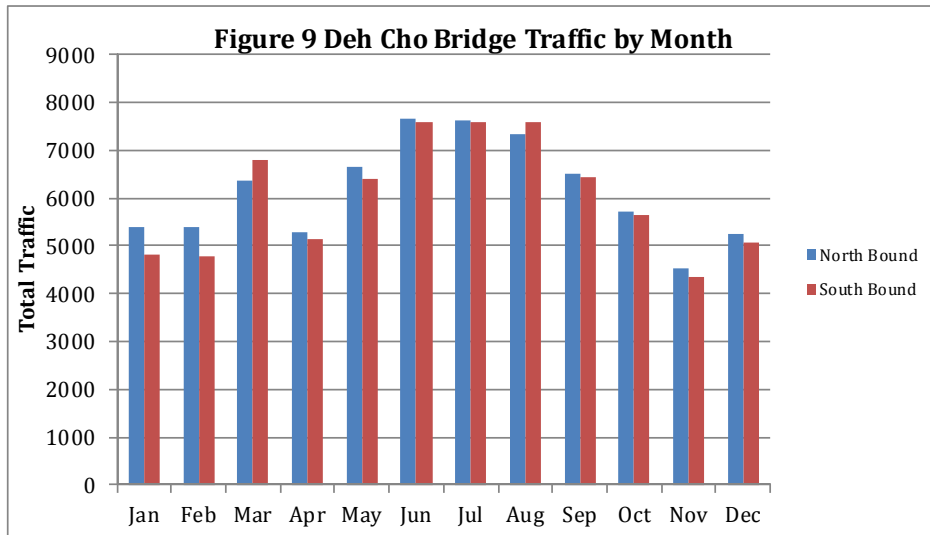


Table 9 Traffic on the Deh Cho Bridge by Month and FHWA Vehicle Class

FHWA Vehicle Class	Monthly Traffic												Total Annual Traffic
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	0	0	1	13	20	45	48	32	5	1	0	0	165
2	606	596	642	793	1,122	1,548	1,477	1,084	719	615	827	835	10,864
3	3,313	3,114	3,714	4,512	5,743	6,428	6,413	6,586	5,276	4,702	3,945	3,859	57,605
4	13	11	10	15	10	22	17	19	33	24	16	9	199
5	2,686	2,683	4,020	3,439	4,929	5,538	5,326	5,207	4,817	3,650	1,602	2,420	46,317
6	287	242	233	117	202	140	209	194	110	107	173	162	2,176
7	17	15	6	1	3	6	3	12	3	4	6	6	82
8	38	42	23	17	8	11	8	9	2	3	13	22	196
9	535	641	729	450	472	433	536	557	511	519	430	593	6,406
10	559	779	1,000	368	340	341	368	399	368	358	332	307	5,519
11	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0
13	2,173	2,022	2,794	695	589	717	797	826	1,102	1,354	1,548	2,118	16,735
Total	10,227	10,145	13,172	10,420	13,438	15,229	15,202	14,925	12,946	11,337	8,892	10,331	146,264
ADT	330	362	425	347	433	508	490	481	432	366	296	333	AADT: 401

FHWA Vehicle Classifications





Section 3.0

Vehicle Movements at Ferries and Weigh Scales

Table 10 Average Daily Traffic on Highway Ferries

Ferry Crossing	Location	Ferry	Vehicle Type	Year												
				2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	
Liard River	Highway 1, near Fort Simpson	M.V. Lafferty	Commercial Vehicles	17	17	23	20	21	37	36	20	19	20	17	17	
			Light Vehicles	90	97	108	91	91	128	92	90	96	83	84	81	
			Trailers Towed	10	9	10	8	9	17	9	8	8	7	7	7	
			Total	117	123	140	119	121	182	138	118	123	110	108	106	
Mackenzie River	Highway 8, near Tsiigehtchic	M.V. Louis Cardinal	Commercial Vehicles	17	19	18	18	10	25	20	40	27	24	23	18	
			Light Vehicles	115	108	93	99	95	106	116	108	109	122	119	99	
			Trailers Towed	8	6	6	5	4	8	7	9	10	8	11	8	
			Total	140	133	117	122	109	140	142	157	146	154	152	125	
Peel River	Highway 8, near Fort McPherson	C.F. Abraham Francis	Commercial Vehicles	20	22	24	15	20	30	45	42	25	22	19	18	
			Light Vehicles	84	75	81	79	91	87	105	100	88	69	82	71	
			Trailers Towed	5	8	8	11	5	7	7	9	7	6	10	7	
			Total	109	106	113	105	116	124	157	151	120	97	111	96	
Mackenzie River	Highway 1, near Camsell Bend	M.V. Johnny Berens	Commercial Vehicles	2	2	3	2	7	15	44	14	14	11	3	3	
			Light Vehicles	20	19	22	19	15	4	9	5	5	9	18	16	
			Trailers Towed	2	1	1	1	2	1	2	1	1	1	1	1	
			Total	23	23	26	22	23	21	55	20	19	21	21	20	

Figure 12
Average Daily Traffic on Highway Ferries

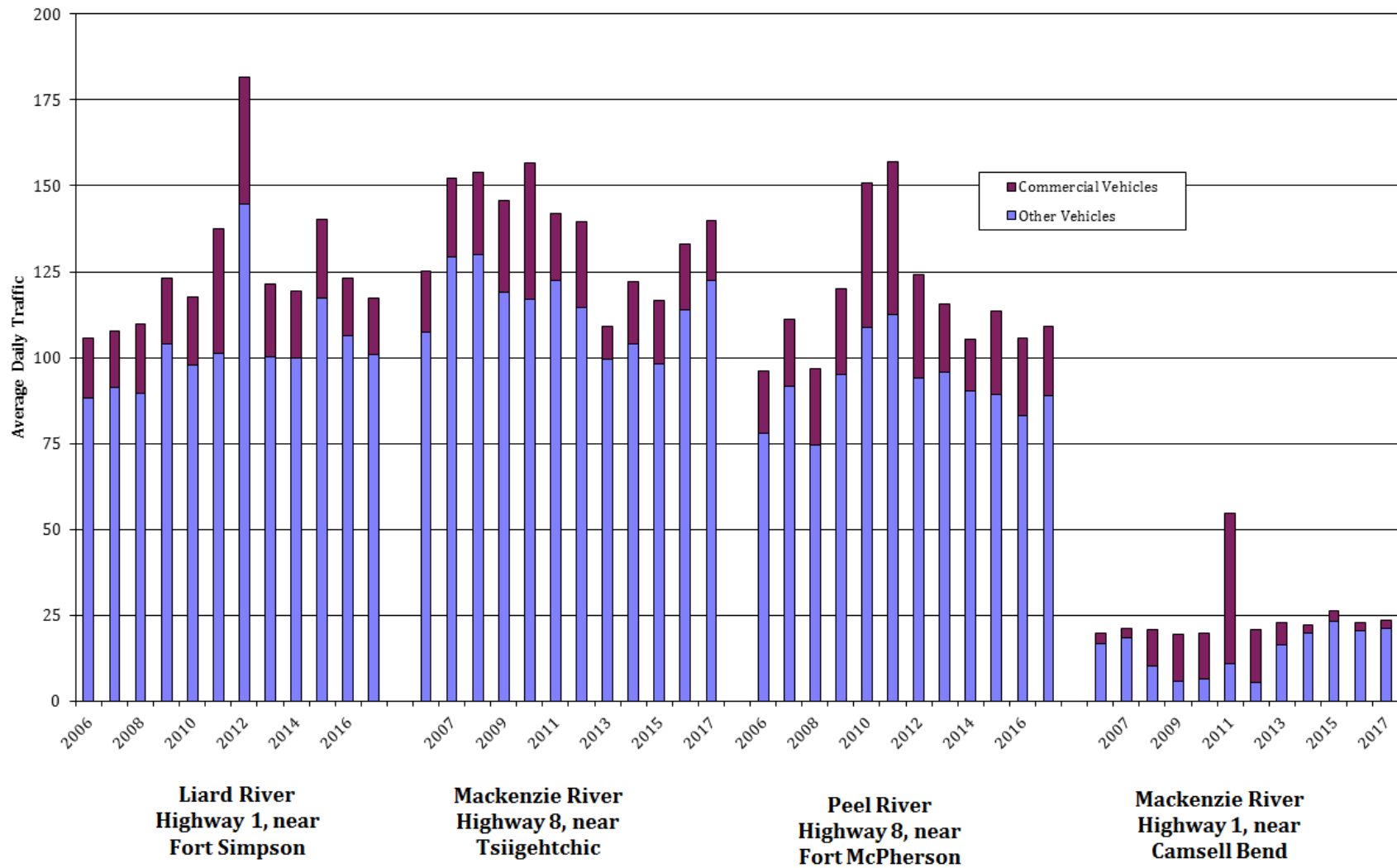


Table 11 Vehicle Classification Data at Liard River Ferry (Highway 1 near Fort Simpson, M.V. Lafferty)

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				
16-May-17	3-Nov-17	May-17	1,804	113	85.25	8.26	2.16	3.27	0.00	0.06	1.00	3,359
		Jun-17	3,744	125	76.79	9.67	4.94	6.54	0.00	0.11	1.95	7,053
		Jul-17	3,493	113	73.49	11.14	3.66	8.36	1.12	0.06	2.18	6,861
		Aug-17	3,799	123	74.41	10.58	4.61	7.48	0.74	0.08	2.11	7,426
		Sep-17	4,012	134	74.53	8.42	3.86	11.02	0.70	0.05	1.42	7,309
		Oct-17	3,023	98	82.14	4.80	5.00	5.99	0.10	0.07	1.92	5,401
		Nov-17	211	70	81.52	3.79	8.06	5.69	0.00	0.00	0.95	368
		Total	20,086	117	76.93	8.93	4.23	7.54	0.49	0.07	1.81	37,777
9-May-16	1-Nov-16	May-16	2,080	90	85.10	6.44	2.98	3.61	0.00	0.14	1.73	3,719
		Jun-16	3,726	124	78.80	8.80	4.35	6.12	0.08	0.11	1.74	7,188
		Jul-16	4,858	157	76.33	8.07	4.71	8.56	0.29	0.06	1.98	8,902
		Aug-16	3,822	123	76.24	9.08	4.42	8.61	0.47	0.00	1.18	7,177
		Sep-16	3,897	130	77.50	7.08	5.06	8.44	0.21	0.15	1.57	7,189
		Oct-16	3,282	106	82.24	4.81	4.11	7.22	0.18	0.03	1.40	5,664
		Nov-16	13	13	61.54	15.38	7.69	0.00	0.00	0.00	15.38	22
		Total	21,678	123	78.67	7.55	4.41	7.45	0.23	0.08	1.62	39,861
9-May-15	5-Nov-15	May-15	2,206	96	84.32	5.26	3.67	4.13	0.00	0.14	2.49	4,305
		Jun-15	4,390	146	75.58	9.00	5.06	7.65	0.07	0.09	2.55	8,454
		Jul-15	4,724	152	75.91	8.81	5.10	7.62	0.02	0.59	1.95	8,665
		Aug-15	5,094	164	75.74	8.17	5.93	8.42	0.20	0.02	1.53	9,383
		Sep-15	4,833	161	78.27	4.06	4.70	5.48	0.83	3.52	3.15	7,635
		Oct-15	3,503	113	75.34	4.74	6.31	11.33	0.54	0.00	1.74	5,733
		Nov-15	479	96	77.04	4.59	6.05	9.81	0.00	0.00	2.51	731
		Total	25,229	140	76.95	6.85	5.24	7.63	0.29	0.82	2.23	44,906
12-May-14	4-Nov-14	Total	21,012	119	76.50	7.11	4.79	9.15	0.12	0.14	2.18	40,316
19-May-13	8-Nov-13	Total	21,016	121	75.17	7.33	5.72	9.18	0.36	0.07	2.18	39,113
14-May-12	26-Oct-12	Total	29,959	182	70.46	9.20	3.25	14.41	0.30	0.25	2.13	54,407
13-May-11	3-Nov-11	Total	23,938	138	67.05	6.46	16.58	7.77	0.30	0.13	1.72	43,016
10-May-10	8-Nov-10	Total	21,402	118	76.75	6.52	4.27	9.98	0.29	0.21	1.99	41,124
15-May-09	4-Nov-09	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	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	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

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		
4-Jun-17	4-Nov-17	Jun-17	3,702	137	78.90	7.19	1.67	6.00	1.73	0.19	4.32	6,986
		Jul-17	4,704	157	76.74	8.65	1.64	5.00	1.28	0.53	6.16	8,747
		Aug-17	5,509	178	83.64	6.06	1.00	2.87	2.40	0.45	3.58	11,147
		Sep-17	3,767	122	86.04	3.29	1.51	3.88	2.50	0.13	2.65	8,002
		Oct-17	3,425	114	84.38	1.64	1.78	7.39	2.28	0.26	2.28	7,720
		Nov-17	293	73	88.40	2.73	1.37	0.34	1.37	5.80	0.00	728
		Total	21,400	140	81.91	5.58	1.48	4.74	2.02	0.41	3.86	43,330
29-May-16	7-Dec-16	May-16	215	72	92.09	0.00	0.47	0.47	0.00	0.00	6.98	369
		Jun-16	4,563	152	82.10	5.30	0.46	5.26	0.96	0.18	5.74	5,945
		Jul-16	5,276	170	81.29	6.18	2.07	5.91	2.26	0.66	1.63	8,143
		Aug-16	5,119	165	81.77	5.98	2.52	6.02	1.47	0.21	2.03	9,147
		Sep-16	4,324	144	78.05	2.38	1.97	13.88	2.54	0.42	0.76	7,305
		Oct-16	3,229	47	82.78	1.52	1.21	10.59	2.88	0.00	1.02	5,278
		Nov-16	2326	78	82.46	1.29	0.09	9.11	3.65	0.04	3.35	3,651
		Total	25,052	130	81.44	4.16	1.52	8.02	2.15	0.29	2.41	39,838
1-Jun-15	15-Dec-15	Jun-15	3,939	131	77.94	7.92	1.12	6.47	0.86	0.25	5.43	6,808
		Jul-15	4,418	147	79.83	6.99	1.99	5.68	1.43	0.34	3.73	7,504
		Aug-15	4,714	152	77.73	6.94	2.04	6.47	1.65	0.19	4.99	8,311
		Sep-15	3,478	112	78.46	2.39	1.55	12.25	3.80	0.32	1.24	5,394
		Oct-15	3,399	113	81.64	1.35	2.44	9.12	3.27	0.06	2.12	5,355
		Nov-15	1,760	39	80.40	1.08	1.65	8.86	3.24	0.11	4.66	2,755
		Dec-15	1271	42	83.08	1.65	1.57	6.22	2.52	0.31	4.64	2,011
		Total	22,979	117	79.36	4.86	1.80	7.75	2.21	0.23	3.79	38,138
1-Jun-14	5-Dec-14	Total	22,858	122	81.00	4.20	1.53	7.17	2.38	0.14	3.58	32,523
5-Jun-13	7-Dec-13	Total	20,198	109	87.28	3.99	2.09	3.08	0.41	0.00	3.15	35,095
3-Jun-12	29-Oct-12	Total	20,660	140	76.15	5.96	5.33	7.71	0.11	0.41	4.33	36,382
3-Jun-11	31-Oct-11	Total	21,304	142	81.50	4.63	1.69	9.82	0.11	0.10	2.15	38,688
26-May-10	28-Oct-10	Total	24,266	157	69.19	5.52	4.37	17.21	0.19	0.15	3.38	42,975
3-Jun-09	25-Oct-09	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	Total	22,479	154	79.49	4.96	4.65	8.57	0.18	0.09	2.06	41,298
2-Jun-07	22-Oct-07	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

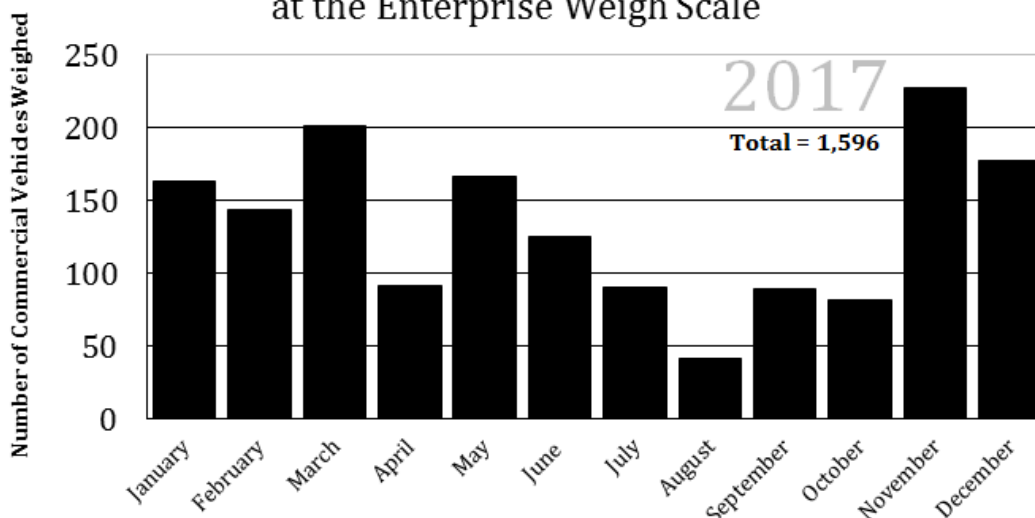
Table 13 Vehicle Classification Data at Peel River Ferry (Highway 8 near Fort McPherson, C.F. Abraham Francis)

Operating Season		Month	Total	Average	Percent of Total								Total Commercial	Number of Passengers
			Traffic	Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Over size	Bus	Other			
8-Jun-17	9-Nov-17	Jun-17	2,183	95	72.38	4.95	4.99	12.83	0.05	0.37	4.44	22.68	3,779	
		Jul-17	4,130	138	82.28	5.88	1.57	9.35	0.07	0.34	0.51	11.84	7,648	
		Aug-17	6,386	206	77.29	4.60	0.77	14.83	0.02	0.14	2.35	18.10	12,650	
		Sep-17	2,365	76	76.70	3.04	1.69	16.45	0.08	0.00	2.03	20.25	4,225	
		Oct-17	1,513	50	66.62	1.65	1.19	26.83	0.26	0.00	3.44	31.73	2,507	
		Nov-17	223	25	82.06	2.69	0.90	7.17	0.45	0.00	6.73	15.25	366	
		Total	16,800	109	76.90	4.45	1.68	14.43	0.07	0.18	2.28	18.65	31,175	
2-Jun-16	2-Dec-16	Jun-16	2,955	102	63.96	14.62	0.85	11.00	0.27	0.20	9.10	21.42	5,672	
		Jul-16	5,454	182	76.24	8.56	1.25	9.39	0.00	0.17	4.40	15.20	11,508	
		Aug-16	4,312	139	71.92	10.18	1.74	12.52	0.02	0.26	3.36	17.90	8,297	
		Sep-16	3,340	108	74.52	3.89	2.34	17.25	0.39	0.06	1.56	21.59	6,568	
		Oct-16	2,230	74	60.99	1.84	2.06	31.75	0.00	0.00	3.36	37.17	3,588	
		Nov-16	1,014	32	66.07	3.35	0.49	24.26	0.00	0.00	5.82	30.57	1,491	
		Dec-16	26	1	50.00	0.00	0.00	42.31	0.00	0.00	7.69	50.00	35	
Total	19,331	106	70.77	7.98	1.54	15.09	0.11	0.14	4.36	21.25	37,159			
3-Jun-15	8-Dec-15	Jun-15	2,957	106	67.64	11.84	1.86	10.04	0.00	0.24	8.39	20.53	5,129	
		Jul-15	5,215	174	76.74	7.98	0.90	9.13	0.02	0.06	5.18	15.28	11,369	
		Aug-15	6,281	203	73.49	5.87	1.67	16.61	0.02	0.05	2.29	20.63	12,582	
		Sep-15	2,509	81	70.75	5.54	2.95	17.78	0.48	0.08	2.43	23.71	4,689	
		Oct-15	2,136	71	67.74	7.26	1.12	17.79	0.33	0.05	5.71	25.00	3,762	
		Nov-15	1,195	31	65.19	2.76	1.42	19.16	0.42	0.00	11.05	32.05	1,987	
		Dec-15	1,033	34	67.67	2.90	1.45	19.07	0.39	0.00	8.52	29.43	1,687	
Total	21,326	113	71.83	7.00	1.58	14.39	0.14	0.08	4.99	21.18	41,205			
30-May-14	1-Dec-14	Total	19,515	105	75.13	10.41	1.05	9.07	0.62	0.49	3.23	14.46	34,461	
8-Jun-13	13-Dec-13	Total	21,738	116	78.59	4.28	1.63	13.49	0.40	0.10	1.52	17.13	33,591	
3-Jun-12	31-Oct-12	Total	18,613	124	69.84	6.01	1.99	18.66	0.18	0.27	3.04	24.15	39,456	
1-Jun-11	7-Nov-11	Total	24,974	157	66.93	4.69	1.76	24.12	0.14	0.10	2.26	28.39	47,157	
1-Jun-10	31-Oct-10	Total	22,912	151	66.38	5.84	2.51	21.18	0.21	0.16	3.73	27.78	44,624	
1-Jun-09	5-Nov-09	Total	18,839	120	73.69	5.62	3.03	13.03	0.20	0.19	4.25	20.69	40,127	
25-May-08	27-Oct-08	Total	15,005	97	71.38	5.80	1.93	14.78	0.35	0.25	5.50	22.82	29,214	
2-Jun-07	19-Oct-07	Total	15,446	111	73.83	8.69	1.78	11.96	0.06	0.19	3.48	17.47	32,294	
2-Jun-06	26-Oct-06	Total	14,007	96	74.07	7.22	2.03	12.37	0.11	0.23	3.96	18.70	29,032	
25-May-05	24-Oct-05	Total	15,446	102	78.36	5.79	2.04	10.33	0.41	0.14	2.94	15.86	32,264	
2-Jun-04	28-Oct-04	Total	19,537	132	68.67	5.94	1.38	8.84	0.26	0.10	14.81	25.39	31,360	
4-Jun-03	29-Oct-03	Total	15,715	107	76.46	8.63	1.24	10.38	0.53	0.39	2.37	14.91	32,233	

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

Operating Season	Month	Total Traffic	Average Daily Traffic	Percent of Total							Total Commercial	Number of Passengers
				Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Over size	Bus	Other		
27-May-17 5-Nov-17	May-17	144	29	81.25	4.17	9.03	0.00	0.00	0.00	5.56	14.58	267
	Jun-17	662	22	83.69	7.70	5.44	0.76	0.60	0.00	1.81	8.61	1,362
	Jul-17	696	22	80.75	6.61	1.72	9.34	0.00	0.00	1.58	12.64	1,422
	Aug-17	686	22	81.20	8.31	3.79	3.94	0.00	0.00	2.77	10.50	1,389
	Sep-17	812	27	83.62	6.90	4.06	4.68	0.00	0.00	0.74	9.48	1,835
	Oct-17	702	20	86.32	3.42	2.71	5.41	0.00	0.00	2.14	10.26	1,367
	Nov-17	101	3	85.15	3.96	3.96	3.96	0.00	0.00	2.97	10.89	175
	Total	3,803	23	83.12	6.42	3.76	4.65	0.11	0.00	1.95	10.47	7,817
18-May-16 1-Nov-16	May-16	266	19	88.35	3.38	0.38	0.38	0.00	0.00	7.52	8.27	502
	Jun-16	633	21	85.15	7.90	2.21	1.26	0.00	0.00	3.48	6.95	1,198
	Jul-16	654	21	85.93	4.89	3.36	3.36	0.00	0.31	2.14	9.17	1,433
	Aug-16	831	27	82.67	4.93	4.57	5.29	0.00	0.00	2.53	12.39	1,780
	Sep-16	707	24	82.74	4.38	6.22	1.41	0.00	0.00	5.23	12.87	1,474
	Oct-16	695	22	83.88	3.31	1.87	5.18	2.16	0.00	3.60	12.81	1,443
	Nov-16	25	1	92.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	63
	Total	3,811	23	84.33	4.93	3.46	3.18	0.39	0.05	3.65	10.73	7,893
17-May-15 4-Nov-15	May-15	256	17	85.16	6.25	3.91	1.17	0.00	0.00	3.52	8.59	541
	Jun-15	620	21	79.68	4.35	8.06	5.81	0.00	0.00	2.10	15.97	1,253
	Jul-15	866	28	87.41	6.24	1.73	2.54	0.00	0.00	2.08	6.35	1,735
	Aug-15	876	28	86.30	5.14	3.54	3.54	0.00	0.00	1.48	8.56	1,684
	Sep-15	746	25	85.79	5.09	5.36	3.35	0.00	0.00	0.40	9.12	1,353
	Oct-15	1,066	30	76.64	5.07	5.35	7.69	0.00	0.00	5.25	18.29	1,733
	Nov-15	59	2	93.22	0.00	0.00	0.00	5.08	0.00	1.69	6.78	113
	Total	4,489	26	83.25	5.21	4.52	4.43	0.07	0.00	2.52	11.54	8,412
22-May-14 5-Nov-14	Total	3,704	22	83.96	5.32	3.27	3.83	0.73	0.11	2.78	10.72	6,836
24-May-13 8-Nov-13	Total	3,837	23	64.37	6.96	15.98	7.27	3.65	0.52	1.25	28.67	6,400
24-May-12 28-Oct-12	Total	3,252	21	20.11	6.95	54.77	8.27	6.15	0.00	3.75	72.94	7,165
20-May-11 2-Nov-11	Total	9,100	55	16.62	3.49	46.32	7.85	24.20	0.03	1.49	79.89	13,674
14-May-10 31-Oct-10	Total	3,397	20	25.26	6.45	57.93	3.83	3.50	0.09	2.94	68.30	7,300
22-May-09 2-Nov-09	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	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	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

Figure 13
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
2017	163	144	201	91	166	125	90	41	89	82	227	177	1,596
2016	718	1,404	755	371	186	232	102	263	475	276	388	650	5,820
2015	844	602	842	304	257	217	310	360	464	536	620	400	5,756
2014	838	553	774	280	219	263	268	158	101	368	372	340	4,534
2013	452	430	581	496	392	418	716	683	422	558	693	608	6,449
2012	1,033	1,003	918	512	312	365	682	708	753	455	734	160	7,635
2011	1,284	832	1,520	622	416	615	752	615	692	629	461	529	8,967
2010	694	1,036	1,118	406	699	278	296	641	460	307	465	511	6,911
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

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

Figure 14
Overweight Permits Issued

2017													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	0	0	0	12	1	0	0	0	1	0	0	0	14
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
On-Line	104	113	173	41	20	19	37	68	45	53	54	37	778
Total	104	113	173	53	21	19	37	68	46	53	54	37	778
2016													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	11	2	0	0	0	2	0	7	0	0	0	22
Inuvik Weigh Scale	1	0	0	0	1	0	0	0	1	0	0	0	3
24/7 Permitting Centre	48	83	126	37	4	1	1	2	1	0	0	0	303
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	7	27	32	4	0	0	1	0	1	0	0	0	72
On-Line	0	0	0	0	7	29	31	62	113	127	37	51	457
Total	56	121	160	41	12	30	35	64	123	127	37	51	857
2015													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	2	6	13	3	1	1	2	1	2	19	0	1	51
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	29	70	79	7	0	11	32	43	18	29	26	42	386
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	5	25	43	2	0	3	1	2	2	1	1	0	85
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	36	101	135	12	1	15	35	46	22	49	27	43	522
2014													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	8	16	60	2	0	2	2	1	2	9	1	0	103
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	39	82	141	14	5	11	30	24	35	44	28	20	473
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	9	5	0	0	0	2	3	2	0	0	4	25
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	47	107	206	16	5	13	34	28	39	53	29	24	601
2013													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	6	12	41	11	2	3	1	7	4	6	2	3	98
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	78	100	127	27	6	4	18	36	17	28	20	3	464
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	48	14	10	7	0	0	1	12	4	0	1	0	97
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	132	126	178	45	8	7	20	55	25	34	23	6	659
2012													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	1	2	4	4	2	1	14
Inuvik Weigh Scale	0	0	0	0	0	0	0	1	0	0	0	0	1
24/7 Permitting Centre	74	89	167	5	3	5	49	51	52	62	20	26	603
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	1	5	3	4	2	14	29
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	74	89	167	5	3	5	51	59	59	70	24	41	647

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 15
Overdimension Permits Issued

2017													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	1	0	0	0	0	0	0	0	0	0	1
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	0	1	1	25	3	1	0	0	5	2	0	1	39
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
On-Line	179	239	491	107	70	108	131	153	119	106	84	58	1,845
Total	179	240	493	132	73	109	131	153	124	108	84	59	1,885
2016													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	3	15	3	5	4	0	2	0	7	0	0	0	39
Inuvik Weigh Scale	4	0	0	0	1	2	0	0	1	0	0	0	8
24/7 Permitting Centre	138	347	529	123	39	28	23	3	2	0	0	0	1,232
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	9	43	49	7	0	6	1	0	1	0	0	0	116
On-Line	0	0	0	0	79	439	757	1,043	711	128	103	121	3,381
Total	154	405	581	135	123	475	783	1,046	722	128	103	121	4,776
2015													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	5	15	24	7	9	7	6	11	10	17	3	3	117
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	223	464	592	102	88	190	206	131	108	159	113	112	2,488
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	6	33	56	6	0	5	8	6	7	13	2	0	142
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	234	512	672	115	97	202	220	148	125	189	118	115	2,747
2014													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	8	17	74	3	5	9	6	1	15	11	9	2	160
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	209	399	476	76	93	138	239	209	340	191	119	92	2,581
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	1	20	7	0	0	2	13	18	11	0	5	6	83
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	218	436	557	79	98	149	258	228	366	202	133	100	2,824
2013													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	11	14	72	24	15	18	10	21	22	34	6	9	256
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	274	266	390	148	139	122	183	253	145	161	95	55	2,231
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	47	22	16	7	0	2	10	29	8	2	3	1	147
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	332	302	478	179	154	142	203	303	175	197	104	65	2,634
2012													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	5	5	9	4	7	2	32
Inuvik Weigh Scale	0	0	0	0	0	0	0	1	0	0	0	0	1
24/7 Permitting Centre	1,066	1,175	696	119	189	149	229	180	158	176	105	84	4,326
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	2	8	7	13	10	17	57
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,066	1,175	696	119	189	149	236	194	174	193	122	103	4,416

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 16
Registration Permits Issued (non-NWT Carriers)

2017													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	2	2
24/7 Permitting Centre	9	6	10	20	20	17	24	31	43	16	11	12	219
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
On-Line	692	679	657	300	305	398	421	399	405	353	339	378	5,326
Total	701	685	667	320	325	415	445	430	448	369	350	392	5,547
2016													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	672	1,215	751	308	283	258	99	26	13	35	3	11	3,674
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
On-Line	0	0	0	0	30	185	363	515	500	338	457	344	2,732
Total	672	1,215	751	308	313	443	462	541	513	373	460	355	6,406
2015													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	701	1,189	701	352	299	474	444	505	501	402	338	381	6,287
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	701	1,189	701	352	299	474	444	505	501	402	338	381	6,287
2014													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	930	1,058	859	319	287	549	617	606	624	430	366	473	7,118
Inuvik Regional Office	0	2	0	0	0	2	1	3	3	1	0	0	12
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	930	1,060	859	319	287	551	618	609	627	431	366	473	7,130
2013													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	882	905	765	459	327	439	524	693	590	523	408	367	6,882
Inuvik Regional Office	0	0	2	1	0	0	0	0	1	0	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	882	905	767	460	327	439	524	693	591	523	408	367	6,886
2012													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	684	791	734	241	243	360	465	392	627	399	380	342	5,658
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	684	791	734	241	243	360	465	392	627	399	380	342	5,658

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 17
Fuel Tax Permits Issued

2017													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	0	1	2	118	15	13	1	5	27	4	8	3	197
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
On-Line	865	1,193	1,415	434	583	614	720	681	640	615	500	668	8,928
Total	865	1,194	1,417	552	598	627	721	686	667	619	508	671	9,125
2016													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	1	6	1	5	4	2	1	0	2	0	0	0	22
Inuvik Weigh Scale	1	0	0	0	0	2	0	0	1	0	0	0	4
24/7 Permitting Centre	893	1,642	1,354	492	382	295	109	17	3	12	2	0	5,201
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	6	19	10	0	0	1	0	0	0	0	0	0	36
Fort Liard Weigh Scale	0	0	0	0	51	313	587	839	656	512	590	592	4,140
On-Line													
Total	901	1,667	1,365	497	437	613	697	856	662	524	592	592	9,403
2015													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	5	11	4	4	8	7	6	9	7	10	3	2	76
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	995	1,526	1,651	515	465	639	601	577	715	703	637	709	9,733
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	6	27	17	1	0	1	3	1	6	11	2	0	75
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Line													
Total	1,006	1,564	1,672	520	473	647	610	587	728	724	642	711	9,884
2014													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	6	9	20	0	4	3	5	1	10	4	3	1	66
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	938	1,057	1,235	447	393	571	806	641	919	597	570	634	8,808
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	1	11	3	0	0	2	9	14	8	0	2	6	56
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Line													
Total	945	1,077	1,258	447	397	576	820	656	937	601	575	641	8,930
2013													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	8	7	13	2	5	12	1	10	4	15	3	7	87
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	1,061	952	1,091	488	456	596	656	853	688	704	481	415	8,441
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	24	8	7	3	0	0	1	19	7	1	3	1	74
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Line													
Total	1,093	967	1,111	493	461	608	658	882	699	720	487	423	8,602
2012													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	1	3	4	1	3	1	13
Inuvik Weigh Scale	0	0	0	0	0	0	0	1	0	0	0	0	1
24/7 Permitting Centre	969	1,076	1,316	347	383	501	706	689	772	601	535	433	8,328
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	4	7	7	1	19
Fort Liard Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Line													
Total	969	1,076	1,316	347	383	501	707	693	780	609	545	435	8,361

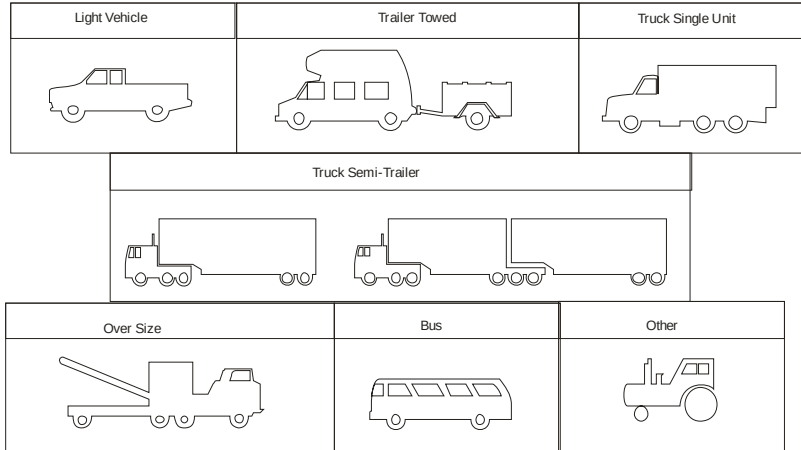
NOTE: Overweight and Overdimension permits are issued for a single trip. Prior to 2003, combination overweight and overdimension permits were counted as one overdimension permit only.

Table 15 Vehicle Classification at the Enterprise Weigh Scale

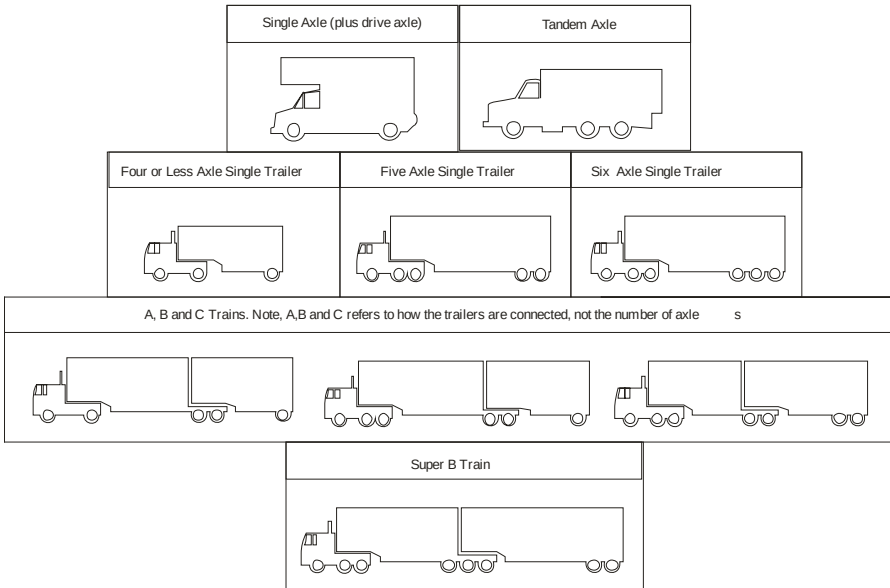
Unit Type	2017												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	9	2	3	12	13	11	5	3	7	6	22	9	102	6.39
Tandem	4	0	5	3	9	1	3	1	1	0	1	2	30	1.88
4-Axle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5 Axle	83	94	123	56	115	75	54	26	53	58	127	82	946	59.27
6 Axle	3	2	6	3	0	3	0	3	1	0	0	0	21	1.32
A Train	0	0	0	1	0	0	2	0	0	0	0	0	3	0.19
B Train	0	1	0	0	1	0	0	0	0	0	1	0	3	0.19
C Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Super B	64	45	64	16	28	35	26	8	27	18	76	84	491	30.76
Logging Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	163	144	201	91	166	125	90	41	89	82	227	177	1,596	100.00
Unit Type	2016												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	15	25	14	14	10	6	11	19	21	7	9	25	176	3.02
Tandem	29	35	57	46	16	15	4	26	81	33	14	30	386	6.63
4-Axle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5 Axle	249	472	274	110	80	98	44	92	119	78	81	156	1,853	31.84
6 Axle	65	151	73	17	6	27	8	19	40	10	14	176	606	10.41
A Train	46	44	27	22	11	15	4	6	22	15	15	12	239	4.11
B Train	7	6	10	14	4	2	0	4	6	5	3	3	64	1.10
C Train	1	1	0	0	0	0	0	1	0	0	0	0	3	0.05
Super B	283	651	299	148	59	68	31	96	186	127	252	248	2,448	42.06
Logging Truck	23	19	1	0	0	1	0	0	0	1	0	0	45	0.77
Total	718	1404	755	371	186	232	102	263	475	276	388	650	5,820	100.00
Unit Type	2015												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	22	10	13	14	7	0	0	0	0	0	0	0	66	1.15
Tandem	15	10	13	3	15	18	17	24	23	17	31	24	210	3.65
4-Axle	1	2	1	0	9	2	6	8	5	20	46	6	106	1.84
5 Axle	182	108	187	91	107	89	146	121	192	195	201	136	1,755	30.49
6 Axle	214	189	285	64	10	0	0	0	0	0	0	0	762	13.24
A Train	39	27	22	20	18	17	29	32	17	34	23	16	294	5.11
B Train	0	0	0	0	2	2	9	13	1	15	4	2	48	0.83
C Train	0	0	0	1	2	0	0	1	1	2	1	0	8	0.14
Super B	360	245	313	111	87	87	102	161	225	252	313	213	2,469	42.89
Logging Truck	11	11	8	0	0	2	1	0	0	1	1	3	38	0.66
Total	844	602	842	304	257	217	310	360	464	536	620	400	5,756	100.00
Unit Type	2014												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	24	9	12	13	15	3	6	1	3	7	10	9	112	2.47
Tandem	13	9	12	3	2	13	11	7	5	6	14	7	102	2.25
4-Axle	0	2	1	0	0	0	0	0	0	0	0	0	3	0.07
5 Axle	179	99	172	84	81	78	43	32	18	89	75	58	1,008	22.23
6 Axle	211	174	262	59	37	41	80	42	29	87	84	64	1,170	25.81
A Train	36	25	20	18	22	18	22	11	4	24	18	23	241	5.32
B Train	0	0	0	0	1	0	0	1	0	4	0	1	7	0.15
C Train	0	0	0	1	3	4	0	0	0	3	0	0	11	0.24
Super B	367	225	288	102	58	106	106	64	42	148	171	170	1,847	40.74
Logging Truck	8	10	7	0	0	0	0	0	0	0	0	8	33	0.73
Total	838	553	774	280	219	263	268	158	101	368	372	340	4,534	100.00
Unit Type	2013												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	10	5	11	20	19	20	13	23	16	7	14	21	179	2.78
Tandem	18	15	13	17	43	33	43	39	48	20	19	21	329	5.10
4-Axle	2	1	3	7	1	0	0	3	2	1	1	0	21	0.33
5 Axle	83	65	126	141	108	108	176	165	96	134	156	137	1,495	23.18
6 Axle	134	108	175	122	84	115	259	245	113	138	66	97	1,656	25.68
A Train	29	18	31	61	43	46	48	46	18	39	46	46	471	7.30
B Train	0	0	0	0	0	1	6	1	1	0	0	0	9	0.14
C Train	0	0	0	0	0	2	0	0	0	0	0	0	2	0.03
Super B	170	205	221	128	94	93	171	161	128	219	386	272	2,248	34.86
Logging Truck	6	13	1	0	0	0	0	0	0	0	5	14	39	0.60
Total	452	430	581	496	392	418	716	683	422	558	693	608	6,449	100.00
Unit Type	2012												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	22	16	8	10	21	7	12	12	14	6	16	5	149	1.95
Tandem	38	13	17	8	24	12	24	29	32	19	17	5	238	3.12
4-Axle	4	4	7	4	0	0	11	2	6	2	0	0	40	0.52
5 Axle	229	211	208	125	100	129	137	127	148	97	143	34	1,688	22.11
6 Axle	242	208	235	110	74	80	197	308	217	129	157	27	1,984	25.99
A Train	89	73	60	68	45	61	87	70	65	45	71	20	754	9.88
B Train	1	3	4	1	1	1	1	4	1	0	0	0	17	0.22
C Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Super B	388	452	367	186	47	75	213	156	270	157	330	69	2,710	35.49
Logging Truck	20	23	12	0	0	0	0	0	0	0	0	0	55	0.72
Total	1033	1003	918	512	312	365	682	708	753	455	734	160	7,635	100.00

Figure 18
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 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 for the past ten years 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 batteries and 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 Joint Venture season summary statistics, 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 Policy, Planning and Communications Division of the Department of Infrastructure as listed in the Acknowledgements section of this report.