

Northwest Territories Highway Traffic Report

Rapport sur la circulation routière aux Territoires du Nord-Ouest

2019



Introduction

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. 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.

This report presents traffic data collected by the Department of Infrastructure on the territorial highway network from 1993 to 2019. 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.

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.

Introduction (français)

Le réseau routier des Territoires du Nord-Ouest (TNO) est constitué de 2 345 kilomètres de routes toutes saisons et de 1 435 kilomètres de routes d'hiver; il est complété par quatre traversiers pour véhicules. Les sociétés minières ont construit plusieurs routes d'hiver pour faciliter le réapprovisionnement des mines.

C'est le ministère de l'Infrastructure du gouvernement des Territoires du Nord-Ouest (GTNO) qui s'occupe de l'exploitation, de l'entretien, de la réfection et de l'amélioration du système routier des TNO.

Ce rapport présente les données sur la circulation recueillies sur le réseau routier territorial par le ministère de l'Infrastructure de 1993 à 2019. Il comprend de l'information recueillie sur les routes principales, les routes d'accès, les routes d'hiver et les passages de traversiers qui y sont associés.

Le rapport comprend également de l'information sur la classification des véhicules. Le ministère de l'Infrastructure utilise les renseignements obtenus pour surveiller les changements dans la circulation routière, classer les routes principales, hiérarchiser les priorités en matière d'activités d'entretien et de fonds d'immobilisations, surveiller les aspects de la sécurité sur les routes principales et optimiser la conception technique.

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Section 1.0

Summary of Traffic Data Collection Activities and Analysis

1.1 Background

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.

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. Traffic data is made available to businesses and the general public as needed.

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 2019.

Information on truck volumes and commodities is obtained from the weigh scale in Enterprise. Truck volumes utilizing the Tibbitt to Contwoyto Winter Road in the Slave Geological Province is also collected and presented in this report.

In 2019, approximately 70 percent of all potential data was useable for determining traffic volumes. This is attributed to the purchase and installation of temporary traffic counters, similar to those installed on the winter road system, at 30 locations. This represents a significant improvement over previous years. 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.



Table 1 Highway System Classification (2019)
Classification

	Length (kilometres)					
	Paved	Dust-controlled gravel	Untreated Gravel	Ferry Crossing	Winter Road	Total
All-Weather Highways						
Highway 1 (Mackenzie Highway to Wrigley)	321.4	178.7	185.4	2.5		688.0
Highway 2 (Hay River Highway)	49.0					49.0
Highway 3 (Yellowknife Highway)	339.0					339.0
Highway 4 (Ingraham Trail)	54.7	14.5				69.2
Highway 5 (Fort Smith Highway)	268.2					268.2
Highway 6 (Fort Resolution Highway)	90.6					90.6
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)		138.0				138.0
Total	1,153.2	495.9	517.0	2.5	0.0	2,168.6
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	11.2	0.0				11.2
Hay River Reserve Access	11.0	1.4	1.9			14.3
Fort Liard Access	1.0		4.5			5.5
Nahanni Butte Access			21.3		1.0	22.
Yellowknife Access	1.7					1.7
Fort McPherson Access	1.1					1.1
Inuvik Access	0.6					0.6
Highway 3 Ice Crossing Access		9.4				9.4
Miscellaneous Minor Access	3.2	8.5	45.2			56.9
Total	62.0	19.3	100.3	0.0	1.0	182.6
Winter Roads						
Highway 1 (Mackenzie Highway, Wrigley to FGH)					486.4	486.4
Colville Lake Access					165.0	165.0
Saamba K'e 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					116.0	116.0
Dettah Access					6.3	6.3
Total	0.0	0.0	0.0	0.0	1,466.0	1,466.0
Total All-Weather Roads						2,351.2
Total Winter Roads (Department of Infrastructure)						1,466.0

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
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 Déljine 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	Saamba K'e	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 analyzed 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

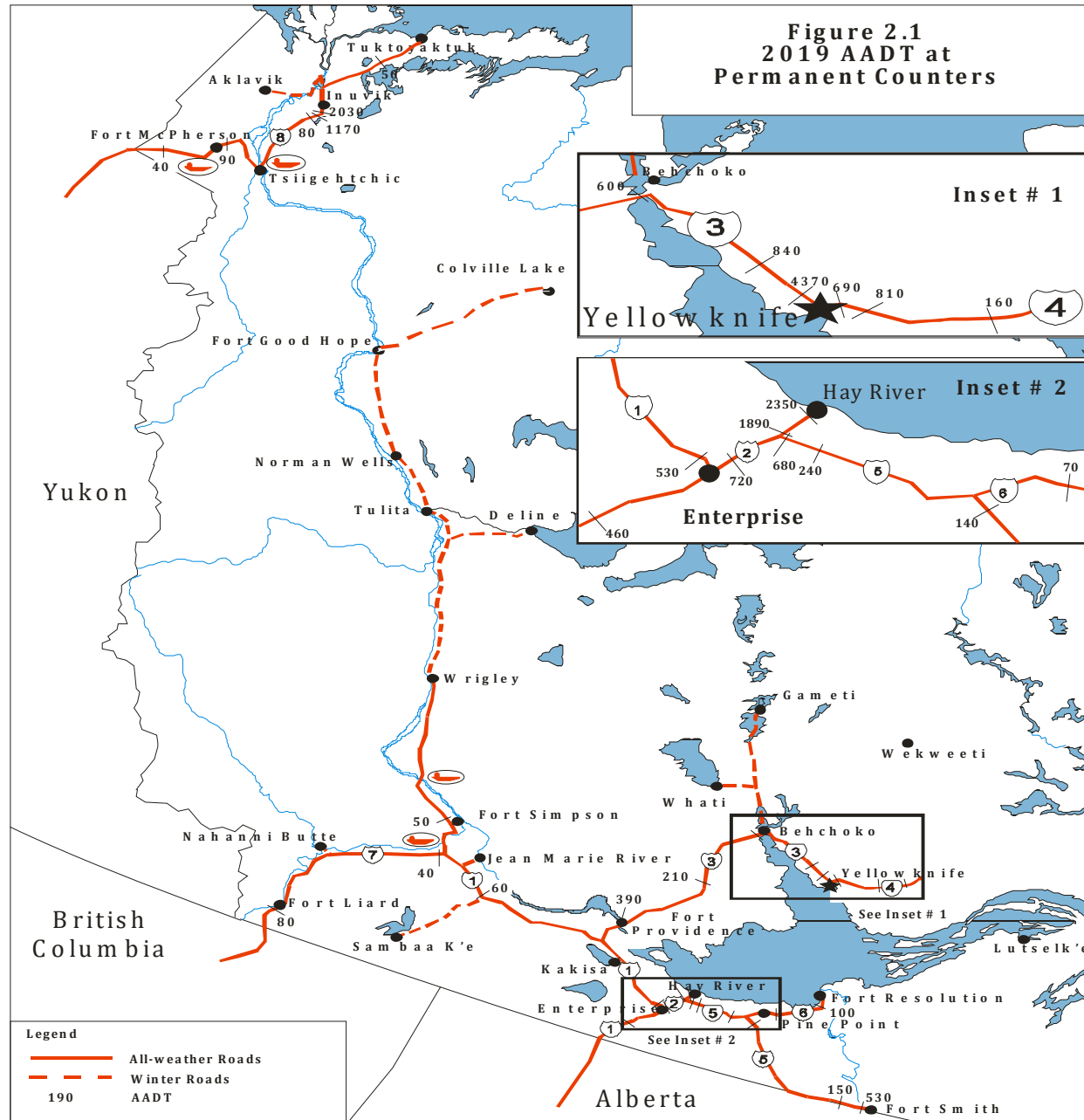
This report is organized into three sections:

- **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.

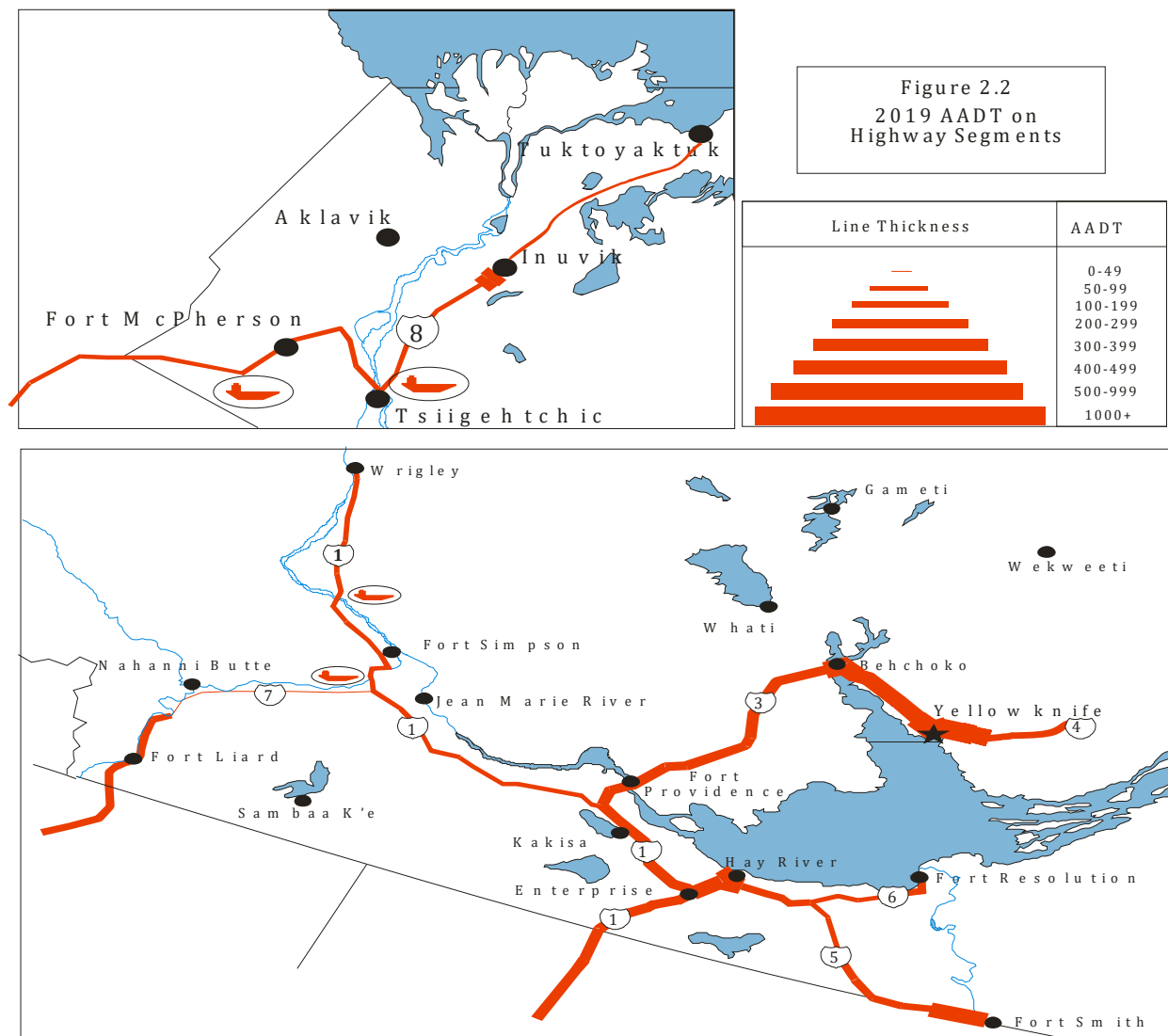


Figure 2.3 Estimated Traffic on Northwest Territories Highways

Highway	Kilometre Counter ID	Description	Average Annual Daily Traffic (AADT)										Peak Summer Average Daily Traffic (PSADT)										
			2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	
1	58	1-58	15 km south of Alexandra Falls	460	470	470	460	450	430	350	260	250	250	0	630	640	620	590	570	460	290	330	250
1	85	1-85	1.2 km west of Enterprise	530	540	540	530	520	500	400	300	290	290	0	750	740	730	690	670	540	400	390	240
1	322	1-322	0.4 km west of Trout Lake Winter Road	60	50	60	60	70	60	60	80	60	70	70	80	70	80	90	70	70	110	90	90
1	477	1-477	5.2 km west of Fort Simpson Access on Highway 1	50	60	80	80	90	80	80	70	120	20	60	70	110	110	120	100	100	90	170	20
2	10	2-10	10 km north of Enterprise, south of Paradise Gardens	720	730	730	720	690	670	640	700	660	430	0	970	980	960	920	890	860	940	1060	520
2	32	2-32	40 metres north of Highway 2 & 5 intersection	1890	1930	1930	1890	1820	1750	1690	1840	1830	1630	0	2560	2560	2510	2420	2330	2250	2450	2470	2050
2	42	2-42	North of West Channel across bridge	2350	2400	2400	2360	2260	2170	2100	2680	2660	2670	0	3200	3190	3130	3020	2900	2810	3570	3400	3060
3	25	3-25	1 km north of Deh Cho Bridge	390	400	400	390	380	370	300	300	270	270	480	480	490	460	460	480	400	370	360	390
3	175	3-175	53 km north of Chan Lake, 62 km south of Edzo	210	260	380	370	360	350	280	280	250	240	230	520	520	510	480	460	370	370	330	350
3	240	3-240	3 km south of Rae access, south of Frank's Channel	600	750	970	950	930	890	950	820	760	840	610	740	1330	1300	1240	1190	1260	1110	830	910
3	324	3-324	21 km east of Boundry Creek	840	860	690	680	660	740	790	680	670	750	600	1190	790	780	740	810	1050	850	750	790
3	338	3-338	0.8 km west of Highway 3 and 4 intersection	4370	5090	6340	6230	6020	6600	6990	6050	5980	6730	4710	6000	8120	7960	8030	8810	9330	7970	7010	7470
4	1	4-1	1 km north of Highway 3 & 4 intersection	690	650	630	680	640	700	1360	1390	1200	1270	830	790	700	830	790	790	1820	1920	1690	1630
4	10	4-10	2.5 km east of Yellowknife River Bridge	810	720	580	630	610	670	940	960	1000	820	970	930	570	620	630	690	1250	1260	1230	1130
4	43	4-43	11 km east of Prelude Lake East Access	160	130	150	160	150	170	130	130	150	130	180	170	150	160	160	180	180	190	190	180
5	1	5-1	1 km east of Highway 2 & 5 intersection	680	700	720	710	680	660	640	630	620	620	0	960	960	940	910	880	850	840	830	820
5	19	5-19	19 km east of Highway 2 & 5 intersection	240	250	260	260	250	240	230	230	230	160	0	190	350	340	330	320	310	310	310	210
5	65	5-65	5 km south of Highway 5 & 6 intersection	130	130	90	90	90	90	100	100	110	90	0	90	90	90	90	130	130	130	120	110
5	232	5-232	25km west of Fort Smith	150	120	180	170	170	170	160	160	150	150	0	150	240	240	230	220	210	210	200	200
5	257	5-257	6.1 km west of Fort Smith	530	540	570	560	540	520	500	500	490	500	0	760	760	740	720	690	670	690	670	660
6	30	6-30	8.5 km east of Pine Point Access	70	70	60	60	60	60	30	70	80	80	0	30	40	40	40	40	40	100	100	100
6	74	6-74	16 km west of Fort Resolution	100	100	100	100	100	100	100	100	100	100	0	120	140	140	140	140	130	130	130	130
7	35	7-35	2.6 km south of Fort Liard	80	90	100	100	120	100	100	110	110	80	100	100	120	130	150	130	130	150	150	120
7	253	7-253	0.3 km south of Highway 1 & 7 intersection	40	50	60	60	70	60	60	70	50	40	80	70	80	80	90	80	80	90	70	60
8	34	8-34	10 km west of Midway Lake	40	50	60	60	60	60	70	60	70	70	70	80	90	80	90	90	100	100	100	90
8	106	8-106	4.6 km north of Fort Mcpherson Access	90	180	90	80	90	80	90	120	110	130	150	140	110	100	120	110	120	170	160	160
8	243	8-243	1 km south of Cabin Creek	80	150	170	160	140	150	130	110	110	110	90	210	220	210	190	200	170	150	150	130
8	260	8-260	0.7 km north of airport access	1170	1530	1450	1370	1200	1250	1120	960	960	970	750	1900	1910	1810	1600	1670	1490	1270	1300	1300
8	268	8-268	1.3 km south of Inuvik	2030	2650	2510	2380	2090	2180	1940	1660	1680	1700	0	3300	3310	3150	2780	2900	2590	2210	2270	2140
10	60	10-60	60 km north of Inuvik Town Limits	50	50									60	90								

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.

Figure 2.4 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	2018					316	336	265	316	340	319			306
			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
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	2018					55	48	46	62	84	65			52
			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
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													
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

Note: Blanks indicate insufficient data to calculate monthly ADT.

Figure 2. 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	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.

Figure 2.5 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	2020	11-Dec-2019	29-Apr-2020	140		18	22	8				16
			2019	24-Dec-2018	29-Apr-2019	126		40	54	65	62			55
			2018	22-Dec-2017	26-Apr-2018	125		28	42	82	79			57
			2017	9-Dec-2016	29-Apr-2017	141		50	55	78	89			68
			2016	11-Dec-2015	24-Apr-2016	135		41	10	48	74			42
			2015	3-Dec-2014	23-Apr-2015	141	61	34	48	59	75			54
			2014	11-Dec-2013	29-Apr-2014	139		41	51	70				54
			2013	11-Dec-2012	7-May-2013	147			60	92	105	86		86
			2012	7-Dec-2011	25-Apr-2012	140			53	60	193			97
			2011	22-Dec-2010	11-May-2011	140			51	87	80	50		71
Colville Lake	1	col-1	2020	23-Dec-2019	20-Mar-2020	88		17	27	20				21
			2019	20-Dec-2018	20-Mar-2019	90		14	20	17				17
			2018	16-Dec-2017	11-Apr-2018	116		15	20	19	15			18
			2017	17-Dec-2016	2-Apr-2017	106		19	19	15				18
			2016	21-Dec-2015	4-Apr-2016	105		16	15	16				16
			2015	17-Dec-2014	31-Mar-2015	104		49	24	127				68
			2014	28-Dec-2013	16-Apr-2014	109		7	17	17	15			14
			2012	20-Dec-2011	2-Apr-2012	104			23	26	17			24
			2011	14-Dec-2010	29-Mar-2011	105			23	18				20
			2009	19-Dec-2008	5-Apr-2009	107		16	21	16				18
Deline	1	deln	2020	20-Dec-2019	20-Mar-2020	91		18	33	67				35
			2019	25-Jan-2019	20-Mar-2019	54		12	32	34				30
			2018	25-Jan-2018	13-Apr-2018	78		15	32	36	10			28
			2017	27-Jan-2017	2-Apr-2017	65		16	52	77				61
			2016	21-Dec-2015	31-Mar-2016	101		13	41	56				37
			2015	9-Jan-2015	31-Mar-2015	81		16	23	25				22
			2014	19-Dec-2013	14-Apr-2014	116			19	32	22			25
			2013	22-Jan-2013	2-Apr-2013	70			115	31				71
			2012	30-Dec-2011	2-Apr-2012	94			24	28	6			25
			2011	10-Jan-2011	29-Mar-2011	78		17	47	24				30
Dettah Ice Road (Yellowknife Side)	1	dettah-1	2020	11-Jan-2020	19-Apr-2020	99		681	784	749	839			762
			2019	11-Jan-2019	11-Apr-2019	90		580	645	678	454			618
			2018	5-Jan-2018	18-Apr-2018	103		602	702	898	690			732
			2017	6-Jan-2017	7-Apr-2017	91		271	240	425	419			325
			2016	2-Jan-2016	18-Apr-2016	107		592	447	391	319			450
			2015	19-Dec-2014	12-Apr-2015	114	1097	995	1024	1534	1303			1191
			2014	13-Dec-2013	21-Apr-2014	129	1146	1216	1168	1592	1404			1315
			2013	20-Dec-2012	17-Apr-2013	118		995	1053	1657	1185			1232
			2012	31-Dec-2011	20-Apr-2012	111		1536	1587	1640	1318			1539
			2011	16-Dec-2010	27-Apr-2011	132	1137	932	977	1144	1249			1080
Dettah Ice Road (Dettah Side)	6	dettah-6	2020	11-Jan-2020	19-Apr-2020	99		235	271	283	293			271
			2019	11-Jan-2019	11-Apr-2019	90		266	289	325	264			293
			2018	5-Jan-2018	18-Apr-2018	103		280	338	394	388			348
			2017	6-Jan-2017	7-Apr-2017	91		520	244	425	391			394
			2016	2-Jan-2016	18-Apr-2016	107		468	458	453	433			455
			2015	19-Dec-2014	12-Apr-2015	114	527	564	522	626	632			573
			2014	13-Dec-2013	21-Apr-2014	129	228	237	276	303	347			278
			2013	20-Dec-2012	17-Apr-2013	118		270	301	332	289			299
			2012	31-Dec-2011	20-Apr-2012	111		446	428	425	462			438
			2011	16-Dec-2010	27-Apr-2011	132	276	252	282	389	352			313
Gameti	72	lacr	2020	12-Feb-2020	10-Apr-2020	58			27	48	42			40
			2019	4-Mar-2019	12-Apr-2019	39				40	35			39
			2018	5-Feb-2018	24-Apr-2018	78			23	30	28			27
			2017	6-Feb-2017	8-Apr-2017	61				34	49			37
			2016	29-Feb-2016	12-Apr-2016	43			29	39	43			40
			2015	16-Feb-2015	15-Apr-2015	58			47	38	44			42
			2014	18-Feb-2014	22-Apr-2014	63			22	35	31			31
			2013	13-Feb-2013	21-Apr-2013	67			39	59	55			53
			2012	17-Feb-2012	19-Apr-2012	62			32	42	55			44
			2011	5-Feb-2011	8-Apr-2011	62			21	33	43			30
Highway No. 1 (Wrigley)	695	1-695	2006	19-Dec-2005	7-Apr-2006	109		53	74	85			71	
			2005	13-Dec-2004	1-Apr-2005	109		39	49	51			46	
Highway No. 1 (Deline Junction)	914	1-914	2020	23-Dec-2019	20-Mar-2020	88		22	64	67			49	
			2019	20-Dec-2018	20-Mar-2019	90		20	68	80			52	
			2018	16-Dec-2017	11-Apr-2018	116		21	68	65	7		46	
			2017	17-Dec-2016	2-Apr-2017	106		58	94	111			87	
			2016	21-Dec-2015	31-Mar-2016	101		48	73	81			67	
			2015	20-Dec-2014	31-Mar-2015	101		85	65	72			74	
			2014	27-Dec-2013	14-Apr-2014	108		81	102	106	18		86	
			2013	16-Dec-2012	2-Apr-2013	107			115	156			137	
			2012	20-Dec-2011	2-Apr-2012	104			61	77	22		68	
			2011	23-Dec-2010	29-Mar-2011	96		22	47	59			42	
Highway No. 1 (Norman Wells South)	1022	1-102	2020	23-Dec-2019	20-Mar-2020	88		128	98	42			96	
			2019	22-Dec-2018	20-Mar-2019	88		98	114	40			89	
			2018	16-Dec-2017	9-Apr-2018	114		57	85	57	40		63	
			2017	17-Dec-2016	2-Apr-2017	106		81	134	91			101	
			2016	21-Dec-2015	31-Mar-2016	101		95	126	122			114	
			2015	17-Dec-2014	31-Mar-2015	104		100	108	88			98	
			2014	28-Dec-2013	14-Apr-2014	107		84	135	168	47		118	
			2013	19-Dec-2012	2-Apr-2013	104			159	169			164	
			2012	20-Dec-2011	2-Apr-2012	104			88	102	24		93	
			2010	23-Dec-2009	31-Mar-2010	98			78	79			79	
Note: Blanks may indicate insufficient data to calculate monthly ADT, road closed, or counter not installed.														

Figure 2.5 cont'd 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	Dec	Jan	Feb	March	April	May	ADT	
Highway No. 1 (Norman Wells North)	1031	1-104	2020	23-Dec-2019	20-Mar-2020	88			34	31	43		35	
			2019	22-Dec-2018	20-Mar-2019	88			26	36	41		33	
			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				
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
Sambaa K'e	1	tlwr	2019	19-Dec-2018	20-Mar-2019	91			6	6	6		6	
			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
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	2020	24-Jan-2020	10-Apr-2020	77			74	57	91	60	73	
			2019	8-Feb-2019	12-Apr-2019	63				77	79	54		74
			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
Wekweeti	1	wek-1	2020	6-Mar-2020	10-Apr-2020	35					34	32	34	
			2019	20-Mar-2019	12-Apr-2019	23					27	30		28
			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.														

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

Figure 2.6 Opening and Close Dates for Winter Roads & Ice Bridges

	Winter Roads	Widley Tulla (Highway #1)	Tulla - Norman Wells (Highway #1)	Norman Wells - Ft. Good Hope (Highway #1)	Colville Lake Access	Dallie Access	Sambaa K's Access	Nahanni Butte Access	Wekwewit Access	Wha Ti Access	Gamsell Access	Dallan Access	Tuktoyaktuk Access	Alavik Access	Ice Bridges	Mackenzie River Crossing at Fort Providence	Liard River Crossing at Fort Simpson	Mackenzie River Crossing at Tugthabit	Peel River Crossing	Mackenzie River Crossing at Cammell Band	Mining Roads	Tablet/Conveyor Winter Road
1995/96	Open Closed	26-Jan 20-Mar	8-Jan 20-Mar	8-Jan 20-Mar		18-Jan 20-Mar	20-Jan 15-Mar	1-Dec 25-Mar		15-Jan 20-Mar	2-Feb 20-Mar	29-Nov 17-Apr	19-Dec 19-Apr	19-Dec 26-Apr	Open Closed	4-Dec 12-Apr	16-Nov 23-Apr	30-Nov 28-Apr	30-Nov 28-Apr	30-Nov 23-Apr	Open Closed	25-Jan 13-Apr
1996/97	Open Closed	14-Feb 17-Mar	14-Jan 17-Mar	14-Jan 17-Mar		4-Feb 17-Mar	11-Jan 17-Mar	9-Dec 11-Apr		20-Jan 25-Mar	7-Feb 25-Mar	12-Dec 18-Apr	20-Dec 25-Apr	12-Jan 25-Apr	Open Closed	9-Dec 22-Apr	14-Nov 18-Apr	19-Nov 10-May	12-Nov 10-May	13-Dec 27-Apr	Open Closed	28-Jan 12-Apr
1997/98	Open Closed	6-Feb 16-Mar	23-Jan 13-Mar	14-Jan 16-Mar		3-Feb 16-Mar	23-Jan 16-Mar	18-Dec 16-Mar		23-Jan 9-Apr	7-Feb 9-Apr	18-Dec 16-Apr	2-Jan 15-Apr	26-Jan 16-Apr	Open Closed	9-Jan 16-Apr	27-Nov 17-Apr	1-Dec 17-May	18-Nov 2-May	12-Jan 17-Apr	Open Closed	19-Jan 4-Apr
1998/99	Open Closed	1-Feb 16-Mar	31-Dec 16-Mar	7-Jan 15-Mar		21-Jan 16-Mar	21-Dec 16-Mar	21-Dec 16-Mar		25-Jan 7-Apr	8-Feb 1-Apr	31-Dec 9-Apr	16-Dec 20-Apr	14-Dec 21-Apr	Open Closed	23-Dec 16-Apr	25-Nov 12-Apr	20-Nov 20-Apr	16-Nov 20-Apr	14-Dec 19-Apr	Open Closed	1-Feb 30-Mar
1999/00	Open Closed	3-Feb 15-Mar	11-Jan 15-Mar	24-Dec 15-Mar		28-Jan 15-Mar	11-Jan 15-Mar	13-Dec 15-Mar		1-Feb 20-Apr	14-Feb 12-Apr	11-Jan 20-Apr	14-Dec 17-Apr	17-Jan 17-Apr	Open Closed	6-Jan 20-Apr	3-Dec 22-Apr	15-Nov 5-May	5-Nov 5-May	31-Dec 22-Apr	Open Closed	28-Jan 3-Apr
2000/01	Open Closed	19-Jan 15-Mar	15-Jan 5-Apr	8-Jan 31-Mar	23-Feb 5-Apr	20-Jan 5-Apr	18-Dec 5-Apr	6-Dec 15-Mar		20-Feb 14-Apr	10-Mar 14-Apr	21-Dec 9-May	20-Dec 8-May	24-Jan 5-May	Open Closed	21-Dec 15-Apr	21-Nov 21-Apr	16-Nov 6-May	20-Nov 9-May	14-Dec 14-Apr	Open Closed	1-Feb 13-Apr
2001/02	Open Closed	20-Dec 18-Mar	10-Jan 18-Mar	11-Jan 18-Mar	9-Jan 18-Mar	18-Jan 18-Mar	14-Jan 18-Mar	14-Dec 18-Mar		24-Jan 25-Apr	11-Feb 25-Apr	21-Dec 30-Apr	2-Dec 2-May	31-Dec 2-May	Open Closed	24-Jan 23-Apr	2-Dec 1-May	20-Nov 9-May	9-Nov 9-May	14-Dec 1-May	Open Closed	26-Jan 16-Apr
2002/03	Open Closed	22-Jan 18-Mar	22-Jan 10-Apr	20-Jan 10-Apr	20-Jan 10-Apr	27-Jan 10-Apr	9-Jan 18-Mar	18-Dec 18-Mar		27-Jan 17-Apr	10-Feb 17-Apr	6-Dec 18-Apr	17-Dec 26-Apr	17-Jan 27-Apr	Open Closed	13-Jan 18-Apr	22-Nov 19-Apr	21-Nov 13-May	21-Nov 13-May	19-Dec 19-Apr	Open Closed	1-Feb 2-Apr
2003/04	Open Closed	19-Dec 16-Mar	29-Dec 16-Mar	19-Dec 31-Mar	19-Dec 31-Mar	23-Jan 16-Mar	12-Dec 16-Mar	16-Dec 16-Mar		13-Feb 22-Apr	9-Mar 22-Apr	19-Dec 27-Apr	17-Dec 26-Apr	23-Dec 26-Apr	Open Closed	9-Dec 13-Apr	26-Nov 22-Apr	20-Nov 12-Apr	14-Nov 12-Apr	6-Dec 19-Apr	Open Closed	28-Jan 31-Mar
2004/05	Open Closed	13-Dec 1-Apr	4-Jan 1-Apr	13-Dec 1-Apr	13-Dec 1-Apr	21-Jan 1-Apr	21-Dec 15-Mar	13-Dec 15-Mar		14-Jan 13-Apr	28-Jan 13-Apr	10-Dec 11-Apr	7-Dec 27-Apr	6-Dec 25-Apr	Open Closed	6-Dec 19-Apr	29-Nov 22-Apr	12-Nov 4-May	31-Oct 3-May	12-Dec 22-Apr	Open Closed	26-Jan 5-Apr
2005/06	Open Closed	19-Dec 7-Apr	19-Dec 7-Apr	29-Dec 7-Apr	13-Jan 22-Mar	25-Jan 22-Mar	22-Dec 22-Mar	8-Dec 22-Mar		7-Feb 16-Apr	16-Mar 18-Apr	20-Dec 18-Apr	9-Jan 9-May	13-Jan 8-May	Open Closed	17-Jan 18-Apr	25-Nov 22-Apr	1-Dec 9-May	17-Nov 15-May	19-Dec 22-Apr	Open Closed	5-Feb 26-Mar
2006/07	Open Closed	22-Dec 31-Mar	20-Dec 9-Apr	21-Dec 9-Apr	4-Jan 31-Mar	19-Jan 31-Mar	5-Jan 31-Mar	1-Dec 31-Mar		3-Feb 12-Apr	28-Feb 12-Apr	4-Jan 12-Apr	5-Dec 2-May	6-Dec 4-May	Open Closed	8-Dec 13-Apr	24-Nov 15-Apr	24-Nov 4-May	9-Nov 9-May	22-Dec 15-Apr	Open Closed	28-Jan 8-Apr
2007/08	Open Closed	21-Dec 9-Apr	24-Dec 9-Apr	8-Dec 9-Apr	14-Dec 9-Apr	22-Jan 9-Apr	22-Dec 9-Apr	14-Dec 8-Apr	31-Mar 8-Apr	8-Feb 11-Apr	28-Feb 11-Apr	21-Dec 11-Apr	17-Dec 24-Apr	19-Dec 1-May	Open Closed	16-Dec 14-Apr	11-Dec 28-Apr	28-Nov 11-May	30-Oct 11-May	11-Jan 28-Apr	Open Closed	28-Jan 7-Apr
2008/09	Open Closed	12-Jan 5-Apr	23-Dec 5-Apr	16-Dec 5-Apr	19-Dec 5-Apr	20-Jan 5-Apr	19-Dec 5-Apr	15-Dec 5-Apr	11-Mar 8-Apr	23-Jan 14-Apr	21-Feb 14-Apr	23-Dec 13-Apr	18-Dec 26-Apr	19-Dec 27-Apr	Open Closed	5-Jan 17-Apr	27-Nov 29-Apr	17-Nov 4-May	1-Nov 1-May	27-Nov 28-Apr	Open Closed	1-Feb 25-Mar
2009/10	Open Closed	23-Dec 31-Mar	23-Dec 31-Mar	23-Dec 31-Mar	23-Dec 31-Mar	28-Jan 31-Mar	18-Dec 31-Mar	9-Dec 31-Mar	11-Mar 8-Apr	20-Jan 11-Apr	22-Feb 11-Apr	24-Dec 8-Apr	18-Dec 20-Apr	21-Dec 20-Apr	Open Closed	4-Jan 18-Apr	9-Dec 21-Apr	20-Nov 28-Apr	20-Nov 25-Apr	17-Dec 18-Apr	Open Closed	4-Feb 21-Mar
2010/11	Open Closed	23-Dec 29-Mar	23-Dec 29-Mar	14-Dec 29-Mar	14-Dec 29-Mar	10-Jan 29-Mar	17-Dec 1-Apr	10-Dec 15-Apr	14-Feb 7-Apr	14-Jan 8-Apr	5-Feb 8-Apr	16-Dec 27-Apr	22-Dec 3-May	22-Dec 11-May	Open Closed	16-Dec 11-Apr	3-Dec 29-Apr	22-Nov 14-May	8-Nov 15-May	22-Dec 29-Apr	Open Closed	28-Jan 31-Mar
2011/12	Open Closed	20-Dec 6-Apr	20-Dec 2-Apr	20-Dec 2-Apr	20-Dec 2-Apr	30-Dec 2-Apr	16-Dec 2-Apr	2-Dec 2-Apr	6-Mar 10-Apr	25-Jan 19-Apr	17-Feb 19-Apr	31-Dec 25-Apr	10-Dec 25-Apr	7-Dec 25-Apr	Open Closed	12-Jan 25-Apr	28-Nov 11-May	24-Nov 11-May	8-Nov 11-May	6-Dec 18-Apr	Open Closed	1-Feb 28-Mar
2012/13	Open Closed	20-Dec 29-Mar	16-Dec 2-Apr	19-Dec 2-Apr	3-Jan 2-Apr	22-Jan 2-Apr	20-Dec 2-Apr	22-Nov 19-Apr	7-Mar 9-Apr	22-Jan 21-Apr	13-Feb 21-Apr	20-Dec 17-Apr	13-Dec 7-May	11-Dec 7-May	Open Closed		15-Nov 26-Apr	28-Nov 12-May	8-Nov 16-May	8-Dec 25-Apr	Open Closed	30-Jan 31-Mar
2013/14	Open Closed	19-Dec 7-Apr	27-Dec 14-Apr	28-Dec 14-Apr	28-Dec 16-Apr	19-Dec 14-Apr	12-Dec 9-Apr	7-Mar 16-Apr	7-Mar 22-Apr	24-Jan 22-Apr	18-Feb 22-Apr	13-Dec 21-Apr	23-Dec 29-Apr	11-Dec 29-Apr	Open Closed		3-Dec 23-Apr	27-Nov 12-May	11-Dec 6-May	12-Dec 23-Apr	Open Closed	30-Jan 1-Apr
2014/15	Open Closed	12-Dec 31-Mar	20-Dec 31-Mar	17-Dec 31-Mar	17-Dec 31-Mar	9-Jan 31-Mar	17-Dec 31-Mar	10-Dec 31-Mar	7-Mar 15-Apr	19-Jan 15-Apr	16-Feb 15-Apr	19-Dec 12-Apr	3-Dec 23-Apr	3-Dec 23-Apr	Open Closed		26-Nov 17-Apr	2-Dec 3-May	1-Dec 7-May	12-Dec 17-Apr	Open Closed	30-Jan 31-Mar
2015/16	Open Closed	18-Dec 31-Mar	21-Dec 31-Mar	21-Dec 31-Mar	21-Dec 4-Apr	21-Dec 31-Mar	22-Dec 7-Apr	22-Dec 7-Apr	14-Mar 12-Apr	5-Feb 12-Apr	29-Feb 18-Apr	2-Jan 18-Apr	11-Dec 24-Apr	11-Dec 24-Apr	Open Closed		10-Dec 23-Apr	15-Dec 3-May	7-Dec 3-May	16-Dec 23-Apr	Open Closed	9-Feb 24-Mar
2016/17	Open Closed	17-Dec 2-Apr	17-Dec 2-Apr	17-Dec 2-Apr	17-Dec 2-Apr	27-Jan 2-Apr	23-Dec 8-Apr	15-Dec 20-Apr	3-Mar 8-Apr	26-Jan 8-Apr	6-Feb 8-Apr	6-Jan 7-Apr	9-Dec 29-Apr	9-Dec 29-Apr	Open Closed		4-Dec 20-Apr	9-Dec 5-May	2-Dec 9-May	17-Dec 20-Apr	Open Closed	1-Feb 29-Mar
2017/18	Open Closed	11-Dec 31-Mar	16-Dec 11-Apr	16-Dec 9-Apr	16-Dec 11-Apr	25-Jan 13-Apr	20-Dec 31-Mar	13-Dec 8-Apr	22-Feb 24-Apr	24-Jan 24-Apr	5-Feb 24-Apr	5-Jan 18-Apr		22-Dec 26-Apr	Open Closed		29-Nov 24-Apr	18-Nov 8-May	17-Nov 8-May	11-Dec 24-Apr	Open Closed	30-Jan 1-Apr
2018/19	Open Closed	18-Dec 20-Mar	20-Dec 20-Mar	22-Dec 20-Mar	20-Dec 20-Mar	25-Jan 20-Mar	19-Dec 28-Mar	7-Dec 28-Mar	20-Mar 12-Apr	8-Feb 12-Apr	4-Mar 12-Apr	11-Jan 11-Apr		24-Dec 26-Apr	Open Closed		22-Nov 10-Apr	28-Nov 30-Apr	13-Nov 3-May	18-Dec 10-Apr	Open Closed	30-Jan 29-Mar
2019/20	Open Closed	20-Dec 20-Mar	23-Dec 20-Mar	23-Dec 20-Mar	23-Dec 20-Mar	20-Dec 20-Mar	16-Dec 11-Apr	14-Dec 19-Apr	6-Mar 10-Apr	24-Jan 10-Apr	12-Feb 10-Apr	11-Jan 19-Apr		11-Dec 29-Apr	Open Closed		29-Nov 19-Apr	25-Nov 8-May	25-Nov 8-May	20-Dec 19-Apr	Open Closed	31-Jan 30-Mar
Last 20 years avg	Open Closed	23-Dec 27-Mar	25-Dec 31-Mar	22-Dec 31-Mar	27-Dec 31-Mar	15-Jan 30-Mar	22-Dec 27-Mar	10-Dec 31-Mar	n/a n/a	28-Jan 14-Apr	19-Feb 14-Apr	24-Dec 15-Apr	14-Dec 28-Apr	20-Dec 28-Apr	Open Closed	24-Dec 16-Apr	28-Nov 21-Apr	24-Nov 5-May	4-Dec 5-May	15-Dec 20-Apr	Open Closed	30-Jan 31-Mar
Last 5 years avg	Open Closed	16-Dec 26-Mar	19-Dec 28-Mar	19-Dec 28-Mar	19-Dec 29-Mar	11-Jan 29-Mar	19-Dec 1-Apr	14-Dec 9-Apr	6-Mar 12-Apr	29-Jan 12-Apr	16-Feb 12-Apr	7-Jan 14-Apr	11-Dec 27-Apr	15-Dec 26-Apr	Open Closed	29-Dec 16-Apr	30-Nov 18-Apr	1-Dec 4-May	24-Nov 5-May	16-Dec 18-Apr	Open Closed	1-Feb 28-Mar

Figure 2.7 Truck Traffic on the Tibbitt to Contwoyto Winter Road

		Gahcho Kue (1)	Ekati Mine	Diavik Diamond Mines Inc.	DeBeers Snap Lake	Tahera	Mineral Exploration Traffic	Total
2020	Total Tonnage	53,835	65,312	103,500	0	0	3,655	226,302
	Total Trucks	1,705	1,993	3,209	0	0	165	7,072
2019	Total Tonnage	58,881	80,447	108,290	0	0	264	247,882
	Total Trucks	1,731	2,491	3,064	0	0	203	7,489
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 (2)	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

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.

2020 season	59 days (January 31 - March 30)
2019 season	58 days (January 30 - March 29)
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)

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 2010, please see Appendix B 'Historical Data'.

Refer to Figure 1 for the location of this winter road

Figure 2.8 Estimated Vehicle Kilometres Traveled on NWT Highways

Hwy	km	Length (km)	AADT												Vehicle Kilometres Traveled (Millions)											
			2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996
1	58	84.2	460	470	470	460	450	430	350	260	250	250	140	143	143	143	133	133	133	106	79	77	77	77	77	77
1	85	103.4	530	540	540	530	520	500	400	300	290	290	201	205	205	202	197	190	153	113	108	110	110	110	110	110
		187.6											341	349	349	343	333	321	259	191	185	187	187	187	187	187
2	10	37.5	720	730	730	720	690	670	640	700	660	430	98	100	100	99	95	91	88	96	91	59	59	59	59	59
2	32	62	1890	1930	1930	1890	1820	1750	1690	1840	1830	1630	43	44	44	43	41	40	38	42	41	37	37	37	37	37
2	42	43.7	2330	2400	2400	2360	2260	2170	2100	2680	2660	2670	141	144	144	143	136	131	126	138	132	96	96	96	96	96
3	26	44.1	390	400	400	390	380	370	300	300	270	270	62	64	65	63	61	59	48	47	43	43	43	43	43	43
3	175	192.4	210	260	380	370	360	350	280	280	250	240	145	185	185	185	185	244	197	194	173	168	168	168	168	168
3	240	85	600	750	970	950	930	890	950	820	760	840	19	23	30	30	28	29	25	24	26	26	26	26	26	26
3	324	88.5	840	860	690	680	740	790	680	670	750	750	270	276	223	219	214	239	254	220	216	241	241	241	241	241
3	337	53	4370	5090	6340	6230	6020	6600	6990	6050	5980	6730	84	99	123	121	116	128	135	117	116	130	130	130	130	130
		338.8											581	647	706	694	676	697	663	603	572	609	609	609	609	609
		570.1											106.3	114.0	119.9	117.8	114.5	114.9	104.8	93.3	88.8	89.2	89.2	89.2	89.2	89.2
1	322	268.8	60	50	60	60	60	70	60	60	80	60	70	5.6	4.9	5.5	5.3	6.4	5.4	5.5	7.8	6.3	6.5	6.5	6.5	6.5
1	468	149	250	280	130	130	130	130	130	180	260	270	1.4	1.5	0.7	0.7	0.8	0.7	0.7	1.0	1.4	1.5	1.5	1.5	1.5	1.5
1	477	79.2	50	60	80	80	90	80	80	70	120	20	1.6	1.7	2.4	2.4	2.6	2.2	2.3	1.9	3.6	0.6	0.6	0.6	0.6	0.6
		362.9											8.5	8.1	8.6	8.8	9.3	8.3	8.4	10.7	11.3	8.5	8.5	8.5	8.5	8.5
4	1	5	690	650	630	680	640	700	1360	1390	1200	1270	1.3	1.2	1.1	1.2	1.2	1.3	2.5	2.5	2.2	2.3	2.3	2.3	2.3	2.3
4	10	11.8	810	720	580	630	610	670	940	960	1000	820	3.5	3.1	2.5	2.3	2.6	2.9	4.0	4.2	4.3	3.6	3.6	3.6	3.6	3.6
4	43	52.4	160	130	150	160	150	170	130	130	150	130	3.1	2.6	2.8	3.0	3.2	3.2	2.5	2.6	2.8	3.4	3.4	3.4	3.4	3.4
		69.2											7.9	6.9	6.4	7.0	6.7	7.4	9.0	9.3	9.3	8.3	8.3	8.3	8.3	8.3
5	1	2.5	680	700	720	710	680	660	640	630	620	620	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
5	19	57.9	240	250	260	260	250	240	230	230	230	160	5.2	5.3	5.5	5.4	5.3	5.0	4.9	4.9	4.6	4.6	4.6	4.6	4.6	4.6
5	65	187.8	130	120	90	90	90	90	100	100	110	90	8.6	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
5	232	13.5	150	130	130	170	170	160	160	160	150	150	0.7	0.6	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8
5	237	4.3	530	540	570	560	520	500	500	490	500	500	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
		266.0											15.9	16.2	13.8	13.3	13.3	13.3	13.3	13.7	14.1	11.4	11.4	11.4	11.4	11.4
6	30	68.3	70	70	60	60	60	60	30	70	80	80	1.7	1.8	1.5	1.5	1.5	1.5	1.5	1.6	1.9	1.9	1.9	1.9	1.9	1.9
6	74	21.7	100	100	100	100	100	100	100	100	100	100	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
		90											2.5	2.6	2.3	2.3	2.3	2.3	1.6	2.4	2.7	2.7	2.7	2.7	2.7	2.7
7	35	37.6	80	90	100	100	100	120	100	110	110	80	1.1	1.3	1.3	1.4	1.6	1.3	1.4	1.5	1.5	1.1	1.1	1.1	1.1	1.1
7	253	216.5	40	50	60	60	60	70	60	70	50	40	3.1	4.0	4.7	4.9	5.5	4.6	4.8	5.2	3.7	3.3	3.3	3.3	3.3	3.3
		254.1											4.2	5.3	6.0	6.3	7.1	5.9	6.1	6.8	5.2	4.4	4.4	4.4	4.4	4.4
8	34	85.4	40	50	60	60	60	60	60	70	60	70	1.2	1.5	1.9	1.9	1.9	1.9	2.3	2.0	2.0	2.1	2.1	2.1	2.1	2.1
8	106	37.2	90	180	90	80	90	80	90	120	110	130	1.9	3.7	1.8	1.7	1.8	1.7	1.8	2.4	2.2	2.7	2.7	2.7	2.7	2.7
8	243	116.7	80	150	170	160	140	130	130	110	110	110	3.4	6.3	7.4	7.0	6.1	6.2	5.3	4.7	4.6	4.6	4.6	4.6	4.6	4.6
8	259	6.1	1170	1530	1450	1370	1200	1250	1120	960	960	970	2.6	3.4	3.2	3.1	2.7	2.8	3.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2
8	268	3.9	2030	2650	2510	2380	2090	2180	1940	1660	1680	1700	2.9	3.8	3.6	3.4	3.0	3.1	2.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4
		269.3	0										12.0	18.7	17.9	17.0	15.5	15.7	14.9	13.6	13.3	13.8	13.8	13.8	13.8	13.8
10	60	133.6	50	50									2.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1445.1											53.2	60.2	55.0	55.2	55.0	52.8	53.7	56.5	55.9	49.1	49.1	49.1	49.1	49.1
													159.5	174.3	174.9	173.0	169.5	167.7	158.3	149.8	144.8	138.3	138.3	138.3	138.3	138.3

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%)
 Percent increase from 2016 to 2017 = 1.1% (Arterial increase = 1.7%; Collector increase = -0.3%)
 Percent increase from 2017 to 2018 = -0.4% (Arterial increase = -4.9%; Collector increase = 9.4%)
 Average annual percent increase from 2010 to 2019 = 1.7% (Arterial increase = 2.1%; Collector increase = 0.9%)

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 driven) = vehicle kilometres travelled. VKT indicates usage of a road and is typically used to calculate collision rates.

Figure 2.9 Estimated Vehicle Kilometres Travelled on Northwest Territories Highways

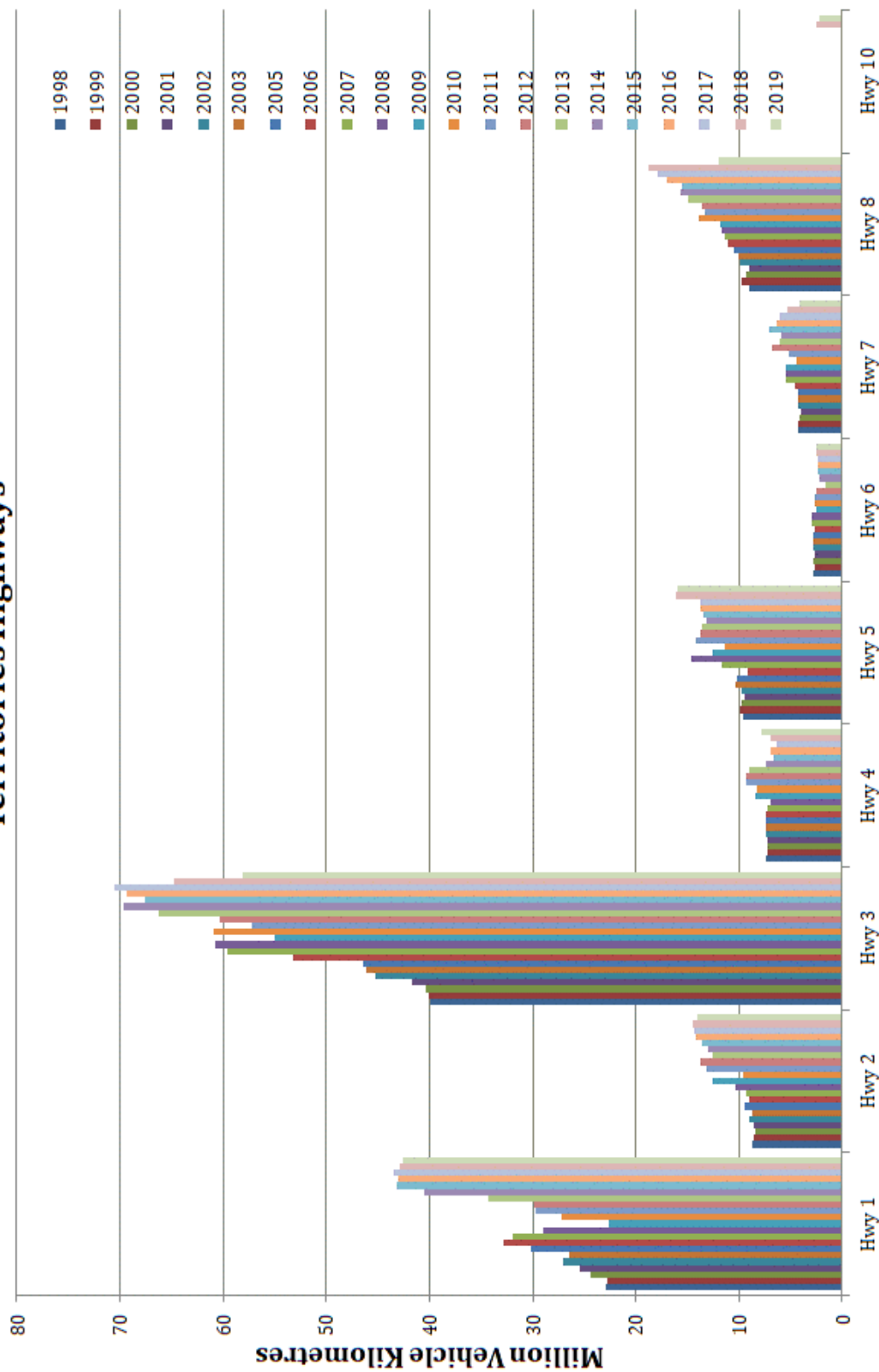
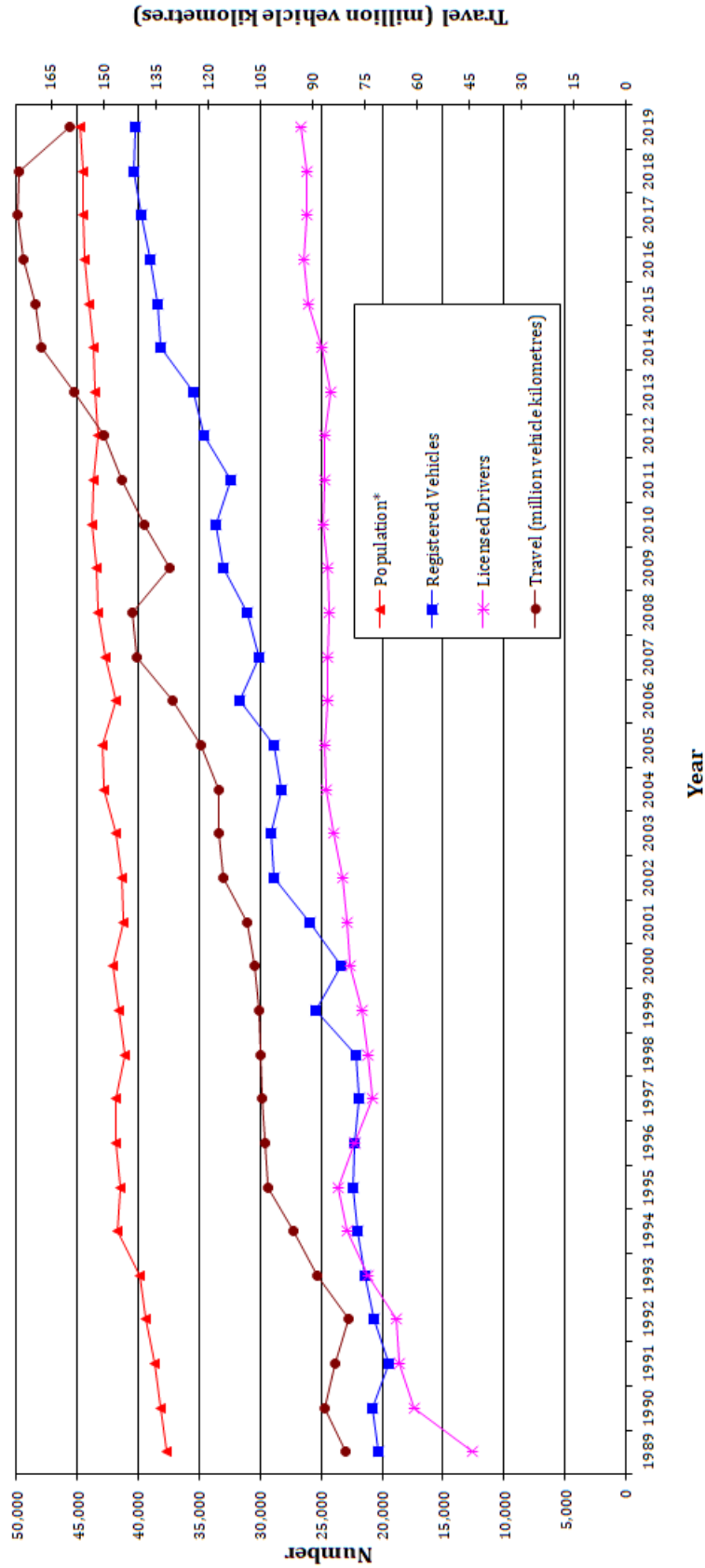
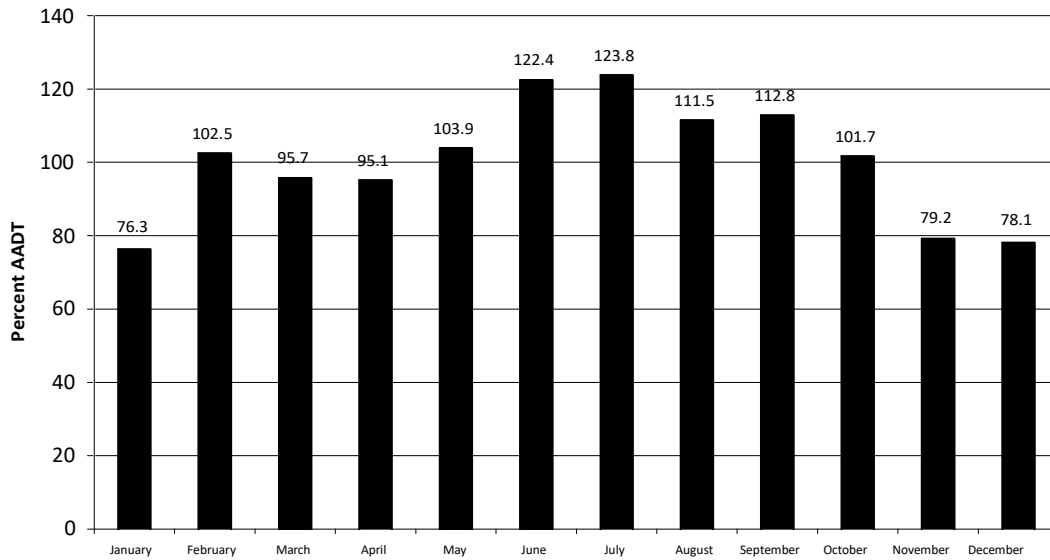


Figure 2.10 Yearly Trend in Road-Related Indicators



*Source: Northwest Territories Stats Bureau

Figure 2.11
Distribution of Monthly Traffic
Typical Near Urban Highway
 (Hwy 3, Km 338)



Typical Rural Highway
 (Hwy 5, Km 65)

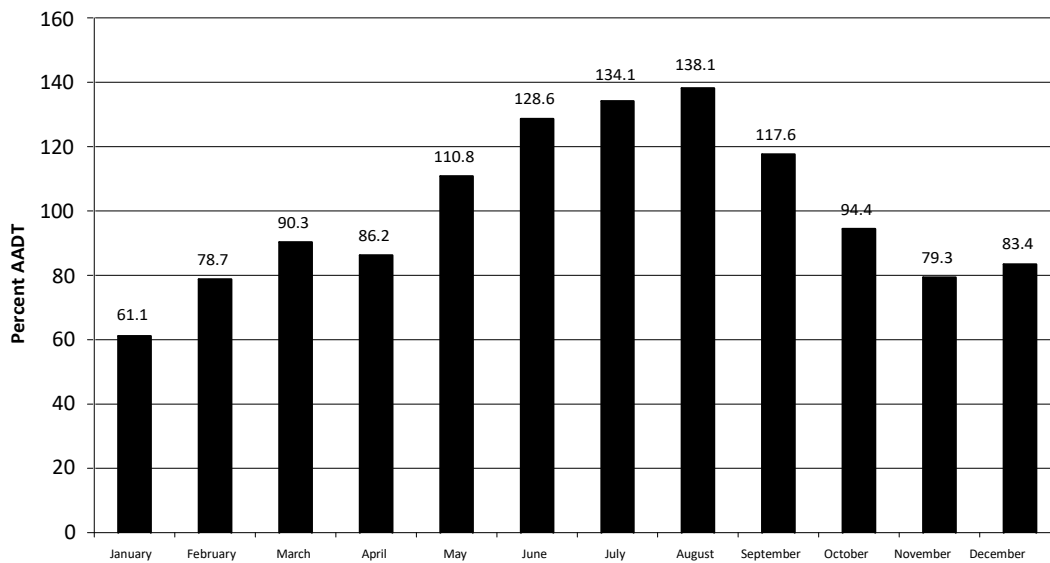
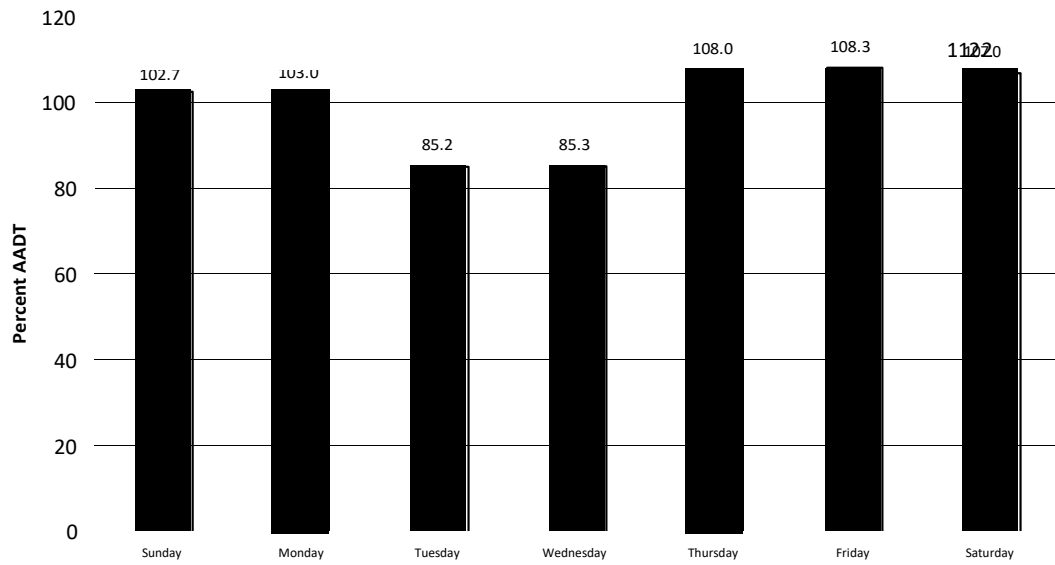


Figure 2.12
Distribution of Daily Traffic
Typical Near Urban Highway
 (Hwy 3, Km 338)



Typical Rural Highway
 (Hwy 5, Km 65)

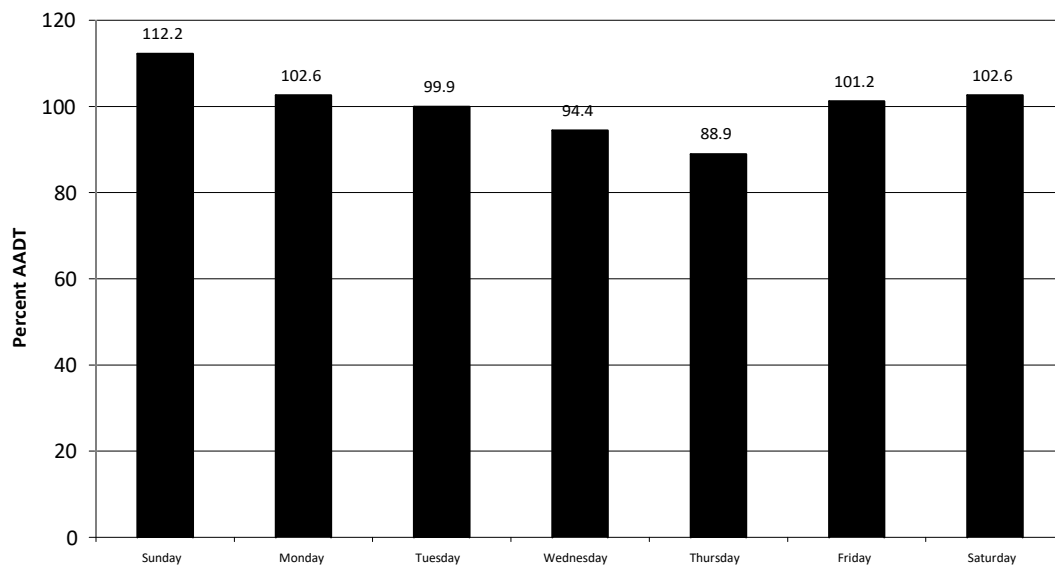
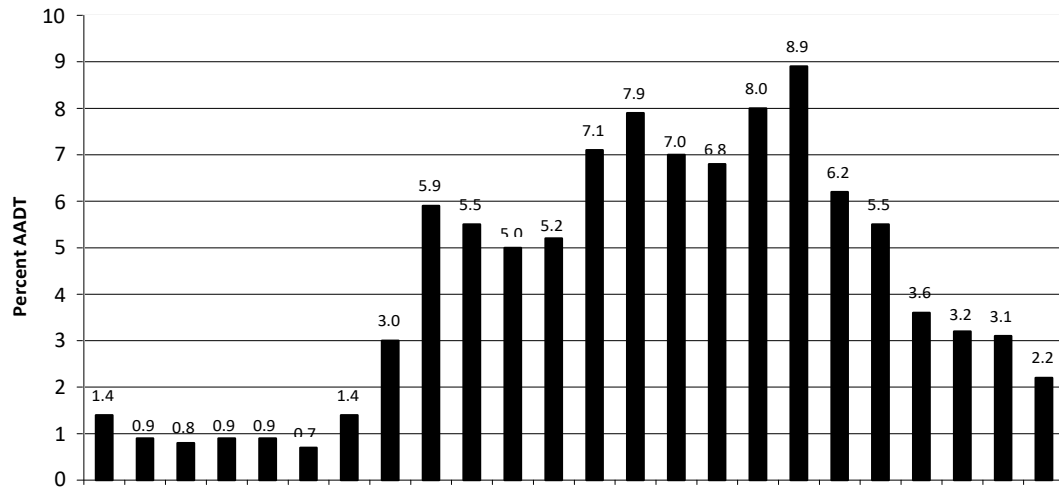


Figure 2.13
Distribution of Hourly Traffic
Typical Near Urban Highway
(Hwy 3, Km 338)



Typical Rural Highway
(Hwy 5, Km 65)

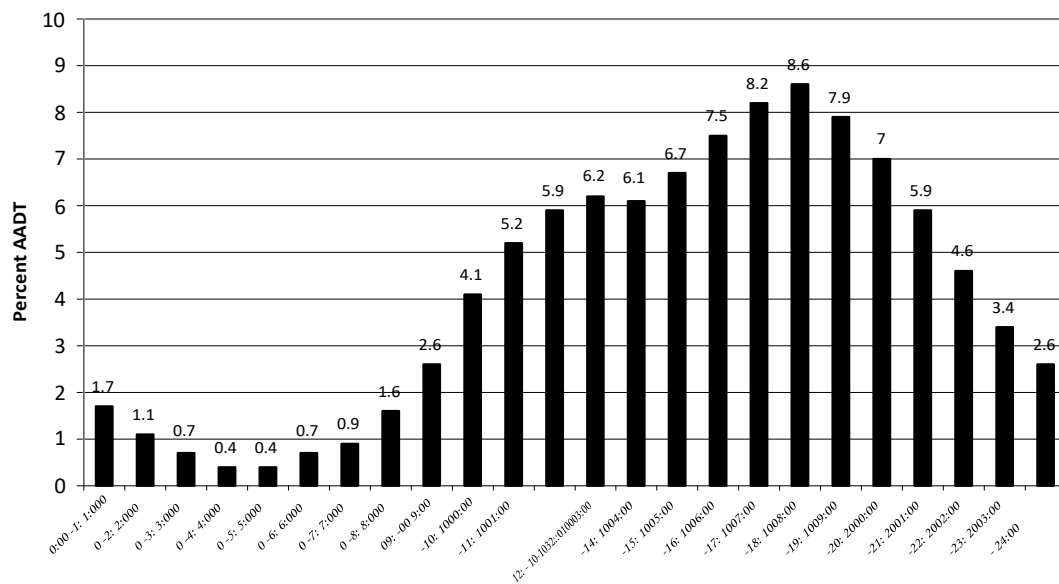
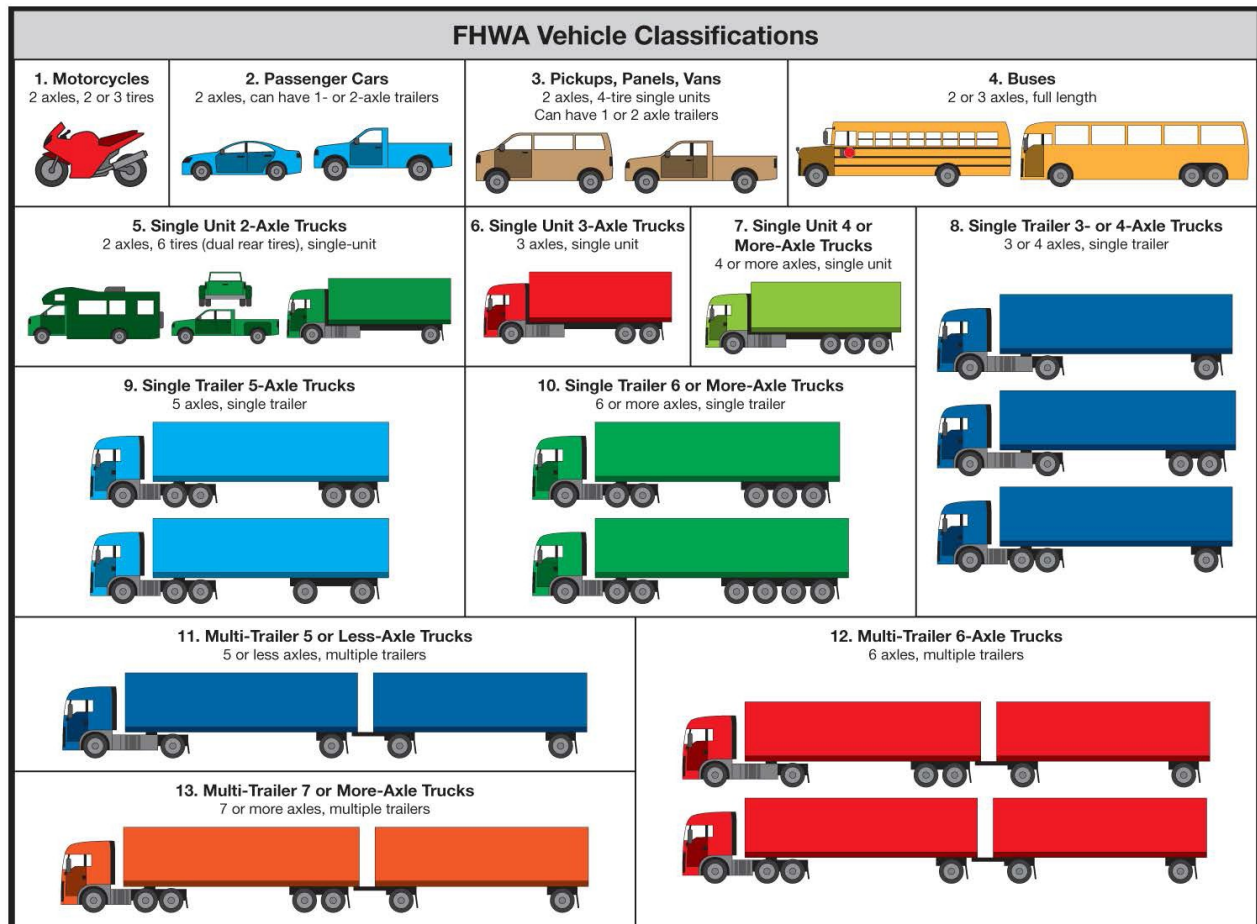


Figure 2.14 Traffic on the Deh Cho Bridge by Month and FHWA Vehicle Class

FHWA Vehicle Class	Monthly Traffic												Total Annual Traffic
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	0	0	4	18	14	11	19	17	12	3	2	0	100
2	497	475	442	655	860	753	935	817	634	615	596	759	8,038
3	3,111	3,072	3,756	4,595	4,946	5,503	6,055	7,123	5,540	4,795	3,818	3,670	55,984
4	8	9	15	11	9	18	23	20	8	17	10	4	152
5	2,213	2,421	4,103	4,399	5,413	5,170	5,347	6,118	4,549	3,046	2,168	2,381	47,328
6	208	211	437	130	167	168	127	130	245	188	163	142	2,316
7	2	8	5	6	0	0	1	6	10	5	0	2	45
8	25	29	25	20	12	18	25	18	18	17	30	17	254
9	433	527	634	458	457	442	458	491	602	522	463	410	5,897
10	362	829	776	334	324	326	300	388	474	339	327	233	5,012
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	1,382	2,677	2,579	558	738	737	960	1,136	1,738	1,569	1,317	1,047	16,438
Total	8,241	10,258	12,776	11,184	12,940	13,146	14,250	16,264	13,830	11,116	8,894	8,665	141,564
ADT	266	366	412	373	417	438	460	525	461	359	296	280	AADT: 388



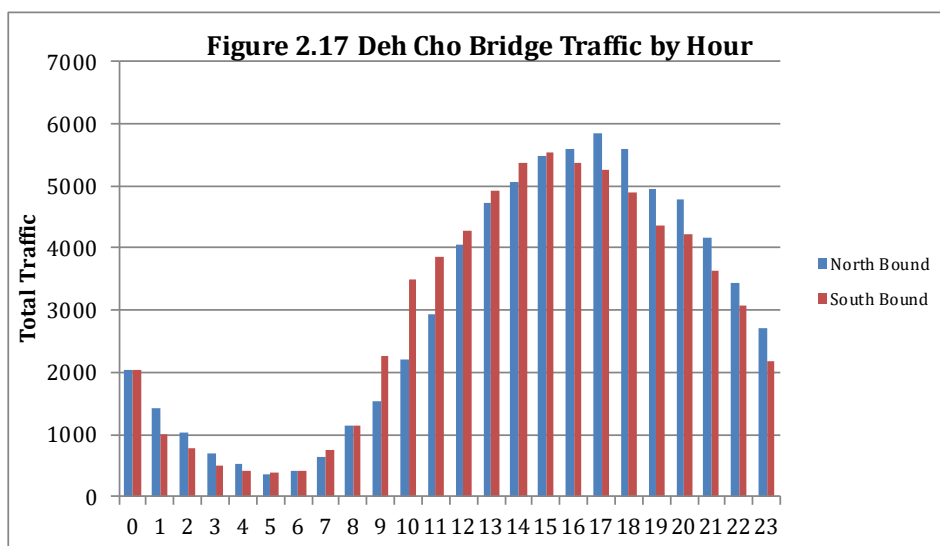
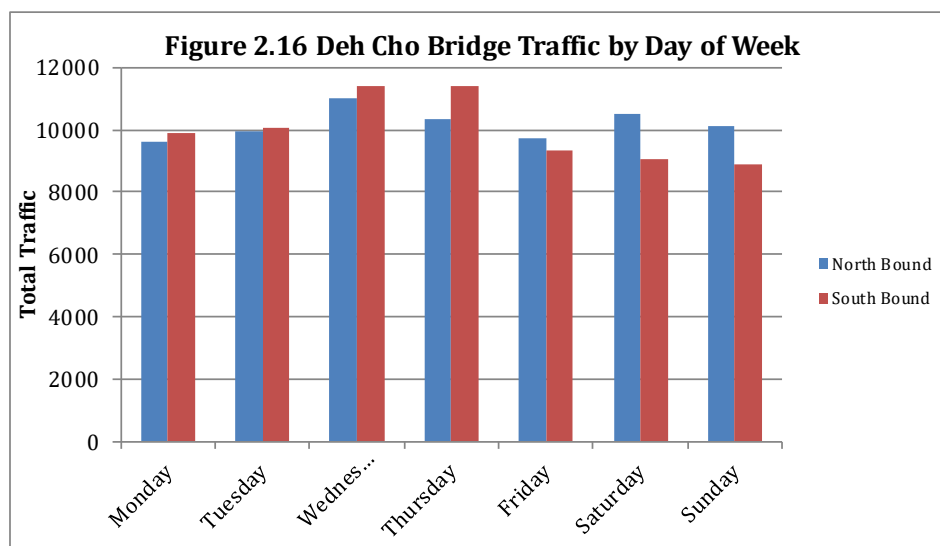
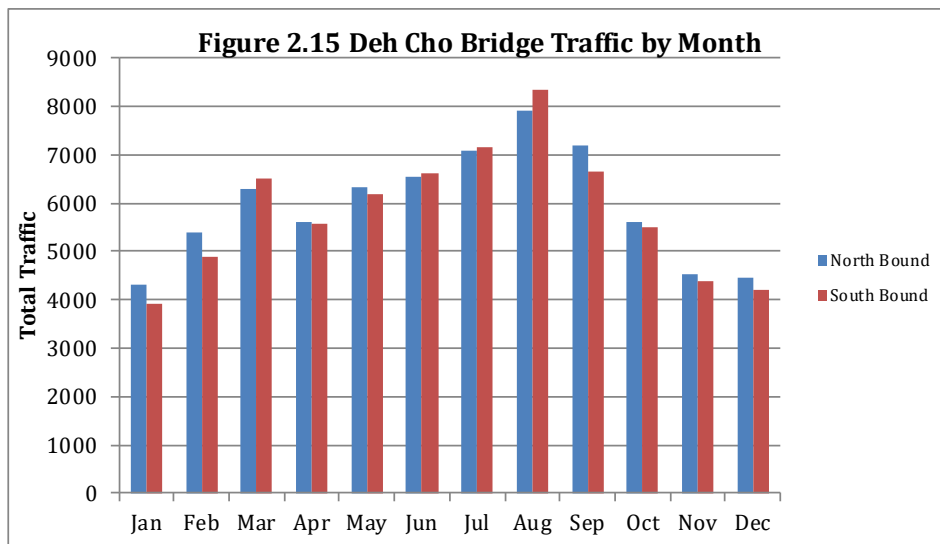


Figure 3.1 Average Daily Traffic on Highway Ferries

Ferry Crossing	Location	Ferry	Vehicle Type	Year											
				2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Liard River	Highway 1, near Fort Simpson	M.V. Lafferty	Commercial Vehicles	15	28	17	17	23	20	21	37	36	20	19	20
			Light Vehicles	90	117	90	97	108	91	91	128	92	90	96	83
			Trailers Towed	9	10	10	9	10	8	9	17	9	8	8	7
			Total	113	156	117	123	140	119	121	182	138	118	123	110
Mackenzie River	Highway 8, near Tsiigehtchic	M.V. Louis Cardinal	Commercial Vehicles	24	24	17	19	18	18	10	25	20	40	27	24
			Light Vehicles	108	136	115	108	93	99	95	106	116	108	109	122
			Trailers Towed	17	18	8	6	6	5	4	8	7	9	10	8
			Total	149	178	140	133	117	122	109	140	142	157	146	154
Peel River	Highway 8, near Fort McPherson	C.F. Abraham Francis	Commercial Vehicles	20	22	20	22	24	15	20	30	45	42	25	22
			Light Vehicles	107	84	84	75	81	79	91	87	105	100	88	69
			Trailers Towed	14	9	5	8	8	11	5	7	7	9	7	6
			Total	140	115	109	106	113	105	116	124	157	151	120	97
Mackenzie River	Highway 1, near Camsell Bend	M.V. Johnny Berens	Commercial Vehicles	2	2	2	2	3	2	7	15	44	14	14	11
			Light Vehicles	17	18	20	19	22	19	15	4	9	5	5	9
			Trailers Towed	1	1	2	1	1	1	2	1	2	1	1	1
			Total	20	22	23	23	26	22	23	21	55	20	19	21

Figure 3.2
Average Daily Traffic on Highway Ferries

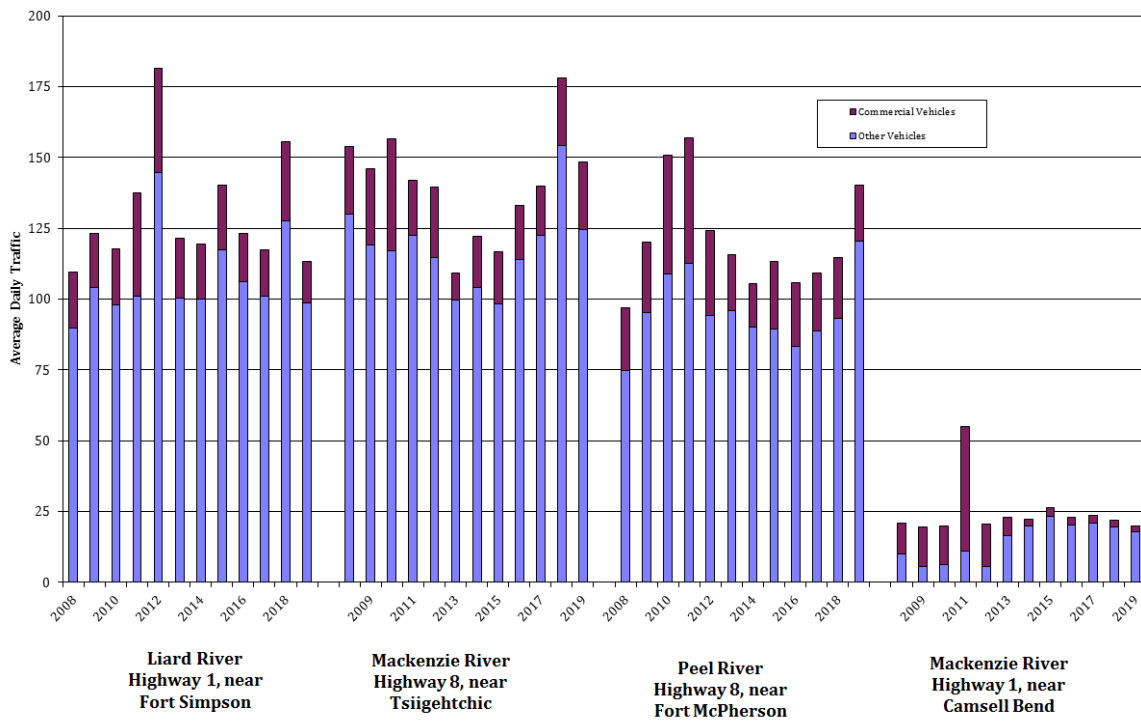


Figure 3.3 Vehicle Classification Data at Liard River Ferry (Highway 1 near Fort Simpson, M.V. Lafferty)

Operating Season		Month	Total Traffic	Average Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Percent of Total				Total Commercial	Number of Passengers
								Truck Semi Trailer	Over size	Bus	Other		
15-May-19	3-Nov-19	May-19	1,918	113	84.46	6.52	2.97	3.18	0.00	0.36	2.50	9.02	3,577
		Jun-19	3,339	111	79.57	7.79	4.58	5.30	0.00	0.21	2.55	12.64	6,347
		Jul-19	3,673	118	76.23	9.20	4.08	8.71	0.11	0.11	1.55	14.57	7,249
		Aug-19	3,553	115	78.55	9.23	4.25	6.39	0.08	0.06	1.44	12.22	7,206
		Sep-19	3,567	119	78.39	8.19	4.37	7.79	0.11	0.11	1.04	13.43	6,634
		Oct-19	3,046	98	81.68	3.84	4.76	8.27	0.03	0.07	1.35	14.48	5,159
		Nov-19	372	124	84.95	3.76	4.84	4.30	0.27	0.00	1.88	11.29	598
		Total	19,468	113	79.45	7.57	4.26	6.84	0.07	0.13	1.67	12.98	36,770
11-May-18	29-Oct-18	May-18	2,764	132	86.72	4.56	4.70	2.42	0.14	0.04	1.41	8.72	5,090
		Jun-18	4,676	156	73.48	7.61	8.02	7.40	0.28	1.26	1.95	18.91	10,374
		Jul-18	5,608	181	71.06	7.90	7.72	11.20	0.27	0.18	1.68	21.04	11,562
		Aug-18	5,750	185	74.30	7.29	8.50	8.64	0.26	0.23	0.78	18.42	11,456
		Sep-18	4,939	165	73.60	6.11	7.43	11.28	0.61	0.04	0.93	20.29	10,054
		Oct-18	2,866	99	82.31	4.12	7.22	4.47	0.00	0.52	1.36	13.57	5,031
		Total	26,603	156	75.50	6.63	7.52	8.36	0.29	0.38	1.33	17.87	53,567
		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
Jun-17	3,744			125	76.79	9.67	4.94	6.54	0.00	0.11	1.95	13.54	7,053
Jul-17	3,493			113	73.49	11.14	3.66	8.36	1.12	0.06	2.18	15.37	6,861
Aug-17	3,799			123	74.41	10.58	4.61	7.48	0.74	0.08	2.11	15.00	7,426
Sep-17	4,012			134	74.53	8.42	3.86	11.02	0.70	0.05	1.42	17.05	7,309
Oct-17	3,023			98	82.14	4.80	5.00	5.99	0.10	0.07	1.92	13.07	5,401
Nov-17	211			70	81.52	3.79	8.06	5.69	0.00	0.00	0.95	14.69	368
Total	20,086			117	76.93	8.93	4.23	7.54	0.49	0.07	1.81	14.14	37,777
9-May-16	1-Nov-16	Total	21,678	123	78.67	7.55	4.41	7.45	0.23	0.08	1.62	13.77	39,861
9-May-15	5-Nov-15	Total	25,229	140	76.95	6.85	5.24	7.63	0.29	0.82	2.23	16.21	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	16.39	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	17.51	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	20.34	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	26.49	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	16.74	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	15.58	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	18.12	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	15.33	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	16.42	36,823
11-May-05	5-Nov-05	Total	18,431	104	73.46	6.15	4.42	12.98	0.12	0.32	2.54	20.38	37,563

Operating Season		Month	Total Traffic	Average Daily Traffic	Percent of Total								
					Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Over size	Bus	Other	Total Commercial	Number of Passengers
28-May-19	2-Nov-19	May-19	256	64	85.94	0.78	3.52	0.78	0.00	0.00	8.98	13.28	674
		Jun-19	5,190	173	70.12	13.91	2.43	4.01	0.64	0.31	8.59	15.97	12,566
		Jul-19	5,599	181	67.12	16.27	2.34	3.45	1.13	0.23	9.47	16.61	15,594
		Aug-19	5,330	172	74.09	13.11	1.97	3.56	1.88	0.34	5.05	12.80	14,694
		Sep-19	4,492	150	76.14	5.30	2.60	11.64	1.69	0.11	2.52	18.57	10,728
		Oct-19	2,402	77	77.52	3.29	11.28	4.70	1.46	0.12	1.62	19.19	4,877
		Nov-19	194	97	85.05	9.28	2.06	2.06	0.00	0.00	1.55	5.67	521
		Total	23,463	149	72.51	11.38	3.25	5.26	1.31	0.23	6.06	16.11	59,654
27-May-18	2-Nov-18	May-18	59	12	88.14	0.00	1.69	0.00	0.00	3.39	6.78	11.86	127
		Jun-18	6,607	220	71.09	11.06	2.10	3.78	1.10	0.18	10.67	17.84	15,050
		Jul-18	6,763	218	72.01	13.00	2.68	3.79	0.62	0.22	7.69	14.99	15,033
		Aug-18	6,313	204	76.92	14.15	1.82	3.66	0.70	0.16	2.60	8.93	15,776
		Sep-18	4,659	155	84.74	5.30	2.75	4.96	1.42	0.21	0.62	9.96	10,971
		Oct-18	3,888	118	83.46	2.52	2.26	7.25	2.70	0.75	1.05	14.02	8,978
		Nov-18	7	4	57.14	0.00	0.00	0.00	0.00	0.00	42.86	42.86	25
		Total	28,296	178	76.59	10.07	2.30	4.42	1.17	0.28	5.18	13.34	65,960
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	13.91	6,986
		Jul-17	4,704	157	76.74	8.65	1.64	5.00	1.28	0.53	6.16	14.60	8,747
		Aug-17	5,509	178	83.64	6.06	1.00	2.87	2.40	0.45	3.58	10.29	11,147
		Sep-17	3,767	122	86.04	3.29	1.51	3.88	2.50	0.13	2.65	10.67	8,002
		Oct-17	3,425	114	84.38	1.64	1.78	7.39	2.28	0.26	2.28	13.99	7,720
		Nov-17	293	73	88.40	2.73	1.37	0.34	1.37	5.80	0.00	8.87	728
		Total	21,400	140	81.91	5.58	1.48	4.74	2.02	0.41	3.86	12.50	43,330
		Total	25,531	133	81.44	4.16	1.52	8.02	2.15	0.29	2.41	14.39	40,883
1-Jun-15	15-Dec-15	Total	22,979	117	79.36	4.86	1.80	7.75	2.21	0.23	3.79	15.78	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	14.80	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	8.73	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	17.88	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	13.87	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	25.29	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	18.35	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	15.55	41,298
2-Jun-07	22-Oct-07	Total	21,632	152	77.82	7.09	4.28						

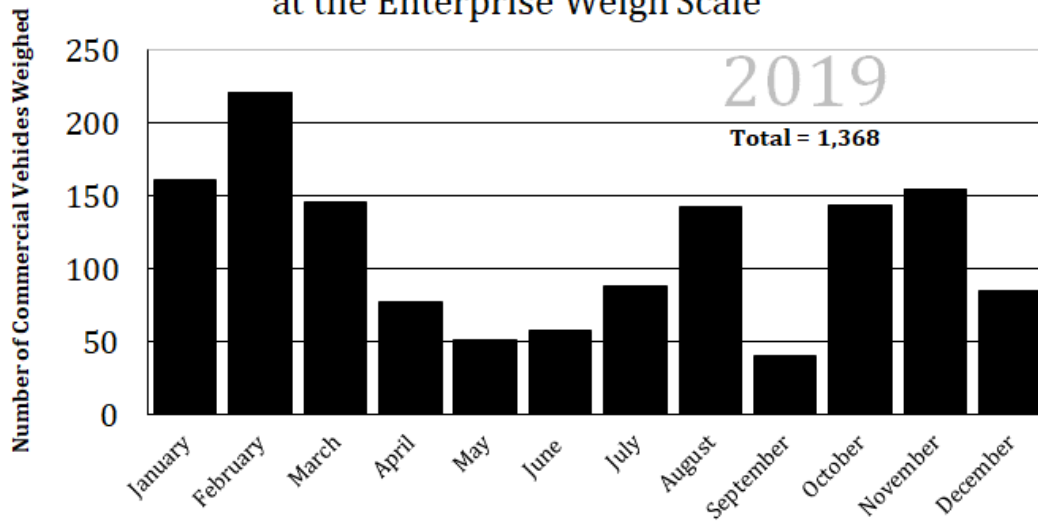
Figure 3.5 Vehicle Classification Data at Peel River Ferry (Highway 8 near Fort McPherson, C.F. Abraham Francis)

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			
2-Jun-19	18-Oct-19	Jun-19	3,916	135	69.99	11.29	0.41	7.58	0.10	0.26	10.37	18.72	7,309	
		Jul-19	5,568	180	73.80	11.87	0.31	5.23	0.13	0.43	8.24	14.33	12,288	
		Aug-19	6,562	212	82.06	8.96	0.85	4.51	0.09	0.18	3.34	8.98	12,702	
		Sep-19	2,441	81	77.18	7.33	0.74	12.66	0.00	0.04	2.05	15.49	4,791	
		Oct-19	867	48	68.17	2.31	1.38	23.41	0.00	0.12	4.61	29.53	1,374	
Total			19,354	140	76.00	9.77	0.61	7.21	0.09	0.25	6.07	14.23	38,464	
2-Jun-18	7-Nov-18	Jun-18	3,747	129	62.32	10.19	2.59	8.70	0.05	0.43	15.72	27.49	6,574	
		Jul-18	4,516	146	70.66	10.63	0.60	7.97	0.07	0.27	9.81	18.71	8,833	
		Aug-18	5,849	189	82.73	6.19	1.56	5.59	0.05	0.31	3.57	11.08	11,794	
		Sep-18	2,567	86	77.52	5.49	2.77	10.95	0.74	0.19	2.34	16.98	4,808	
		Oct-18	1,301	42	63.41	2.84	0.85	28.52	0.00	0.08	4.30	33.74	1,989	
Total			18,112	115	87.12	4.55	0.00	6.06	0.00	0.00	2.27	8.33	249	
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	
Total			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	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	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	

**Figure 3.6 Vehicle Classification Data at Mackenzie River Ferry (Highway 1, road to Wrigley, near Camsell Bend
M.V. Johnny Berens)**

Operating Season		Month	Total Traffic	Average Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Percent of Total Over size	Bus	Other	Total Commercial	Number of Passengers
14-May-19	26-Oct-19	May-19	316	18	92.41	3.16	1.90	0.00	0.00	0.00	2.53	4.43	663
		Jun-19	529	18	90.36	3.21	2.08	0.76	0.00	0.38	3.21	6.43	1,067
		Jul-19	641	21	82.37	5.15	4.68	5.93	0.00	0.00	1.87	12.48	1,239
		Aug-19	594	19	84.85	4.88	4.55	2.53	0.34	0.17	2.69	10.27	1,198
		Sep-19	737	25	81.95	6.38	5.16	6.11	0.00	0.00	0.41	11.67	1,626
		Oct-19	445	17	84.27	4.04	6.29	4.94	0.00	0.00	0.45	11.69	950
		Total	3,262	20	85.25	4.72	4.29	3.80	0.06	0.09	1.78	10.02	6,743
25-May-18	3-Nov-18	May-18	140	20	83.57	5.00	3.57	2.86	0.00	0.00	5.00	11.43	262
		Jun-18	609	20	85.39	4.76	2.96	5.75	0.00	0.00	1.15	9.85	1,198
		Jul-18	888	29	87.16	5.74	2.48	2.82	0.23	0.00	1.58	7.09	2,101
		Aug-18	619	20	67.04	10.66	17.77	2.91	0.00	0.00	1.62	22.29	1,226
		Sep-18	642	21	85.67	6.23	4.52	3.12	0.00	0.00	0.47	8.10	1,325
		Oct-18	590	17	88.47	3.73	3.39	3.39	0.00	0.00	1.02	7.80	1,192
		Nov-18	55	18	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119
		Total	3,543	22	83.35	6.07	5.76	3.44	0.06	0.00	1.33	10.58	7,423
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	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	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

Figure 3.7
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
2019	161	221	146	77	51	58	88	143	40	144	154	85	1,368
2018	301	349	431	115	149	128	107	173	119	54	122	92	2,140
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

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

Figure 3.8
Overweight Permits Issued

2019													
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	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Line	33	53	112	24	47	51	43	75	70	34	24	12	578
Total	33	53	112	24	47	51	43	75	70	34	24	12	578
2018													
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	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Line	60	114	185	0	51	76	47	52	71	56	34	37	783
Total	60	114	185	0	51	76	47	52	71	56	34	37	783
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
Fort Liard Weigh Scale	104	113	173	41	20	19	37	68	45	53	54	37	764
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
Fort Liard Weigh Scale	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

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 3.9
Overdimension Permits Issued

2019													
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	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	1	0	0	0	0	0	0	0	0	0	0	0	1
On-Line	107	165	286	72	96	80	105	120	177	86	50	51	1,395
Total	108	165	287	72	96	80	105	120	177	86	50	51	1,397
2018													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	0	0	0	0	1	0	0	0	0	0	0	1
On-Line	115	355	521	0	115	185	112	140	149	121	58	72	1,943
Total	115	355	521	0	115	186	113	140	149	121	58	72	1,945
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
Fort Liard Weigh Scale	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
Fort Liard Weigh Scale	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

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 3.10
Registration Permits Issued (non-NWT Carriers)

2019													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	2	0	2	0	2	0	1	0	0	1	1	0	9
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	2	2	0	0	0	6	1	7	0	0	0	0	18
On-Line	686	627	457	327	327	304	445	208	445	382	320	290	4,818
Total	690	629	459	327	329	310	447	215	445	383	321	290	4,845
2018													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	13	0	0	0	0	0	1	0	0	0	14
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	16	7	0	0	0	0	0	0	0	0	0	0	23
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	1	1	0	0	0	0	0	0	0	0	2
On-Line	671	1,162	875	605	399	464	455	466	511	445	350	236	6,639
Total	687	1,169	889	606	399	464	455	466	512	445	350	236	6,678
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
On-Line	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
On-Line	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

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

Figure 3.11
Fuel Tax Permits Issued

2019													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	1	0	2	0	0	0	0	0	1	0	4
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	1	0	0	0	0	0	0	2	0	0	0	1	4
On-Line	774	1,236	1,026	503	383	564	661	739	651	571	466	455	8,029
Total	775	1,236	1,027	503	385	564	661	741	651	571	467	456	8,037
2018													
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	0	1	0	0	0	0	1	2
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	0	0	0
24/7 Permitting Centre	0	0	0	0	0	0	0	0	0	0	0	0	0
Inuvik Regional Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobile Inspection Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay River Regional Office	0	0	0	0	0	1	0	0	0	1	0	0	2
Fort Liard Weigh Scale	872	1,307	1,661	0	530	756	754	853	892	862	589	505	9,581
On-Line													
Total	872	1,307	1,661	0	530	757	755	853	892	863	589	506	9,585
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
Fort Liard Weigh Scale	865	1,193	1,415	434	583	614	720	681	640	615	500	668	8,928
On-Line													
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
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
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
Total	945	1,077	1,258	447	397	576	820	656	937	601	575	641	8,930

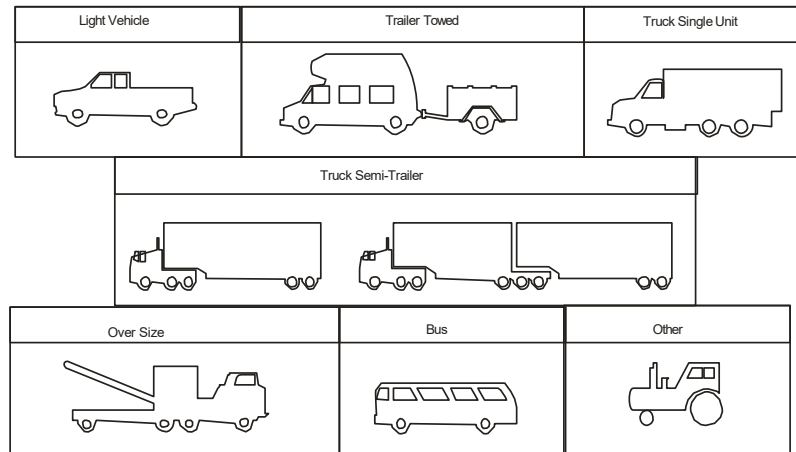
NOTE: Overweight and Overdimension permits are issued for a single trip. Prior to 2003, combination overweight and overdimension permits were counted as one overdimension permit only.

Figure 3.12 Vehicle Classification at the Enterprise Weigh Scale

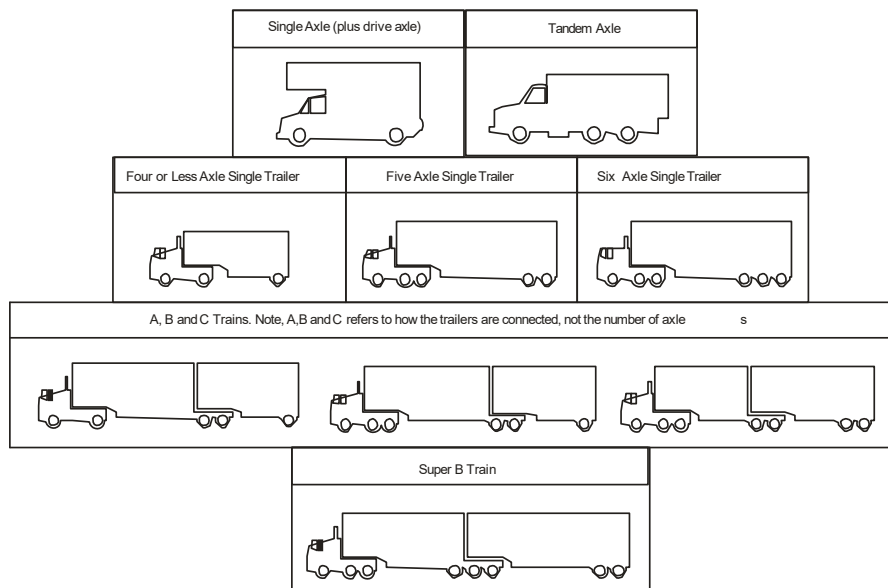
Unit Type	2019												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	12	10	7	7	7	11	15	24	2	13	10	5	123	8.99
Tandem	5	1	1	1	0	2	3	3	3	1	0	1	21	1.54
4-Axle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5 Axle	89	104	81	53	31	40	48	86	22	91	98	41	784	57.31
6 Axle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
A Train	0	0	0	0	0	1	0	0	2	0	0	0	3	0.22
B Train	6	16	8	0	0	0	0	1	0	3	5	1	40	2.92
C Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Super B	49	90	49	16	13	4	22	29	11	36	41	37	397	29.02
Logging Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	161	221	146	77	51	58	88	143	40	144	154	85	1,368	100.00
Unit Type	2018												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Single Axle	3	5	2	2	5	3	2	5	1	0	0	4	32	1.50
Tandem	6	19	13	9	9	8	10	10	11	4	8	4	111	5.19
4-Axle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5 Axle	154	183	214	84	107	99	67	124	81	21	54	48	1,236	57.76
6 Axle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
A Train	0	0	0	0	1	0	0	0	0	0	0	0	1	0.05
B Train	3	2	3	0	1	1	0	3	0	1	0	1	15	0.70
C Train	1	3	5	0	0	0	0	0	0	0	0	0	9	0.42
Super B	134	137	194	20	26	17	28	31	26	28	60	35	736	34.39
Logging Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	301	349	431	115	149	128	107	173	119	54	122	92	2,140	100.00
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

Figure 3.13
Vehicle Classifications

Highway Ferries



Weigh Scale Classification



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

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.

Appendix B

Data Processing Methodology (continued)

- 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.

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

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.

English

French

Cree

ıchọ

Chipeewyan

South Slavey

North Slavey

Gwich'in

Inuvialuktun

Inuktitut

Inuinnaqtun

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