

Northwest Territories Highway Traffic Report

Rapport sur la circulation routière aux Territoires du Nord-Ouest

Le présent document contient la
traduction française de l'introduction.

2020



Introduction

The Northwest Territories highway network consists of 2,350 kilometres of all-weather roads and 1,465 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 2020. 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 2 350 kilomètres de routes toutes saisons et de 1 465 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 2020. 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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1.0: Summary of Traffic Data Collection Activities and Analysis

1.1 Background

A map of the highway network is provided in Figure 1.1. 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 electronic 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

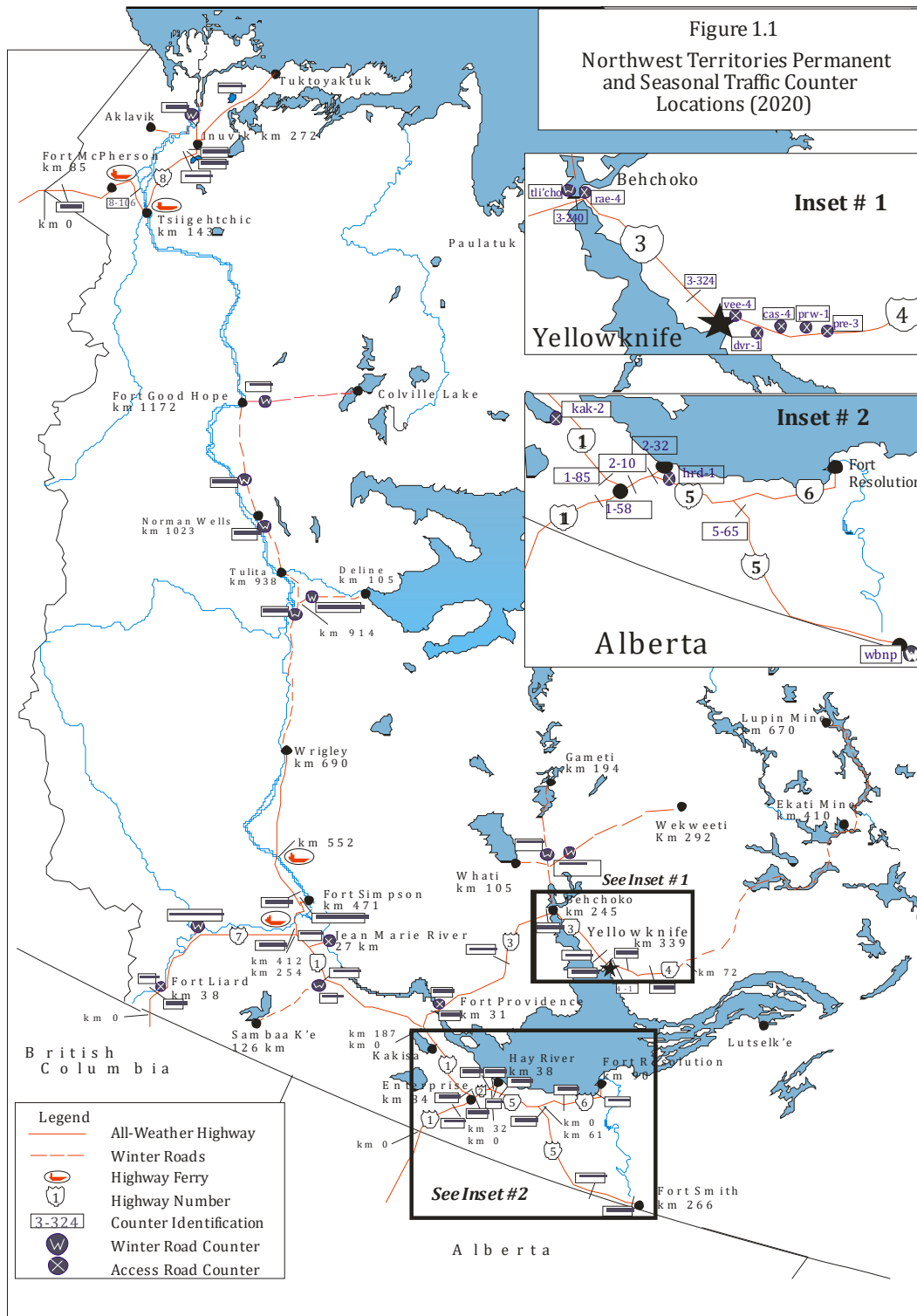
The Government of the Northwest Territories Department of Infrastructure collects traffic data at a number of permanent and seasonal counting stations as shown in Table 2 and illustrated in Figure 1. These stations provide hourly information on traffic for the complete year, or selected portions of the 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 Air, Marine and Safety 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 2020.

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 2020, approximately 75 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.



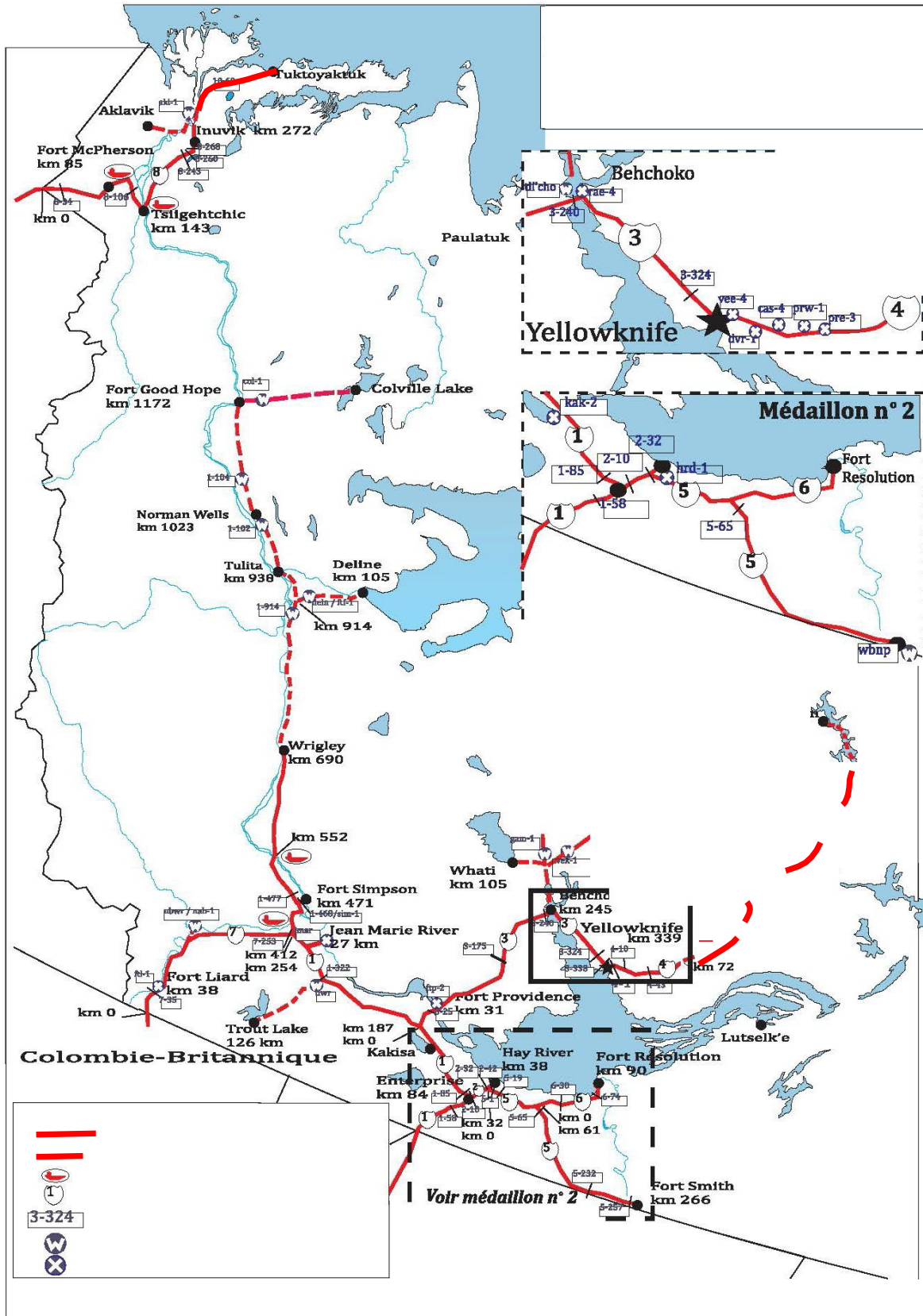


Table 1 Highway System Classification (2020)

	Length (kilometres)					
	Paved	Dust-controlled gravel	Untreated Gravel	Ferry Crossing	Winter Road	Total
All-Weather Highways						
Highway 1 (Mackenzie Highway to Wrigley)	326.0	358.5		2.5		687.0
Highway 2 (Hay River Highway)	48.6					48.6
Highway 3 (Yellowknife Highway)	338.8					338.8
Highway 4 (Ingraham Trail)	54.6	14.6				69.2
Highway 5 (Fort Smith Highway)	266.0					266.0
Highway 6 (Fort Resolution Highway)	90.0					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)		138.0				138.0
Total	1,154.3	675.8	331.6	2.5	0.0	2,164.2
Access Roads						
Kakisa Lake Access	12.9					12.9
Fort Simpson Access	3.4					3.4
Jean Marie River Access			27.0			27.0
Fort Providence Access	5.4					5.4
Rae Access	10.5					10.5
Dettah Access	11.3					11.3
Hay River Reserve Access	11.0	1.4	1.9			14.3
Fort Liard Access	0.9	4.4				5.5
Nahanni Butte Access			21.3		1.0	22.3
Yellowknife Access	3.6					3.6
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	63.9	23.7	95.4	0.0	1.0	184.0
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 Boundary 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.

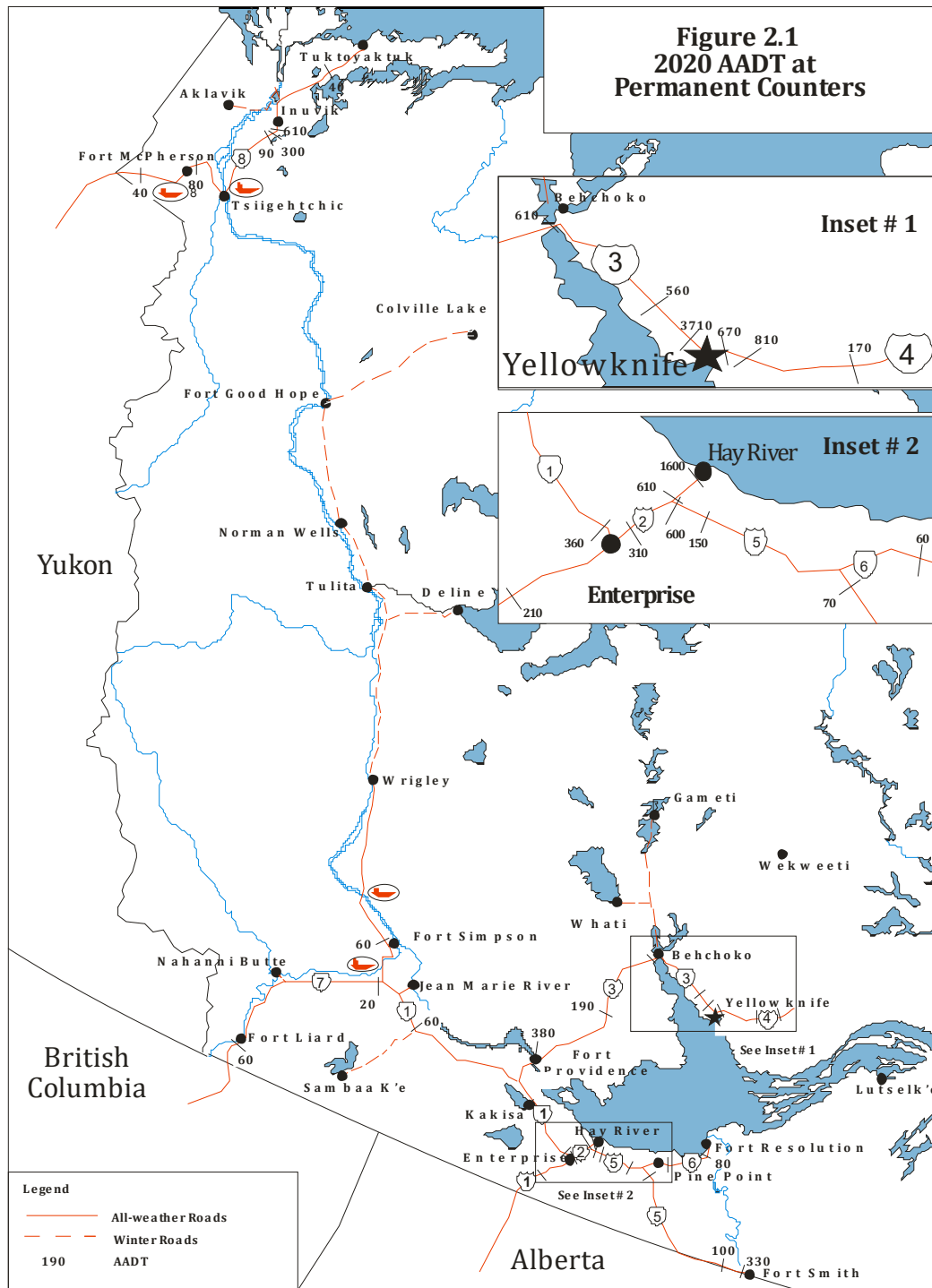
1.5 Layout Report

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.

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.

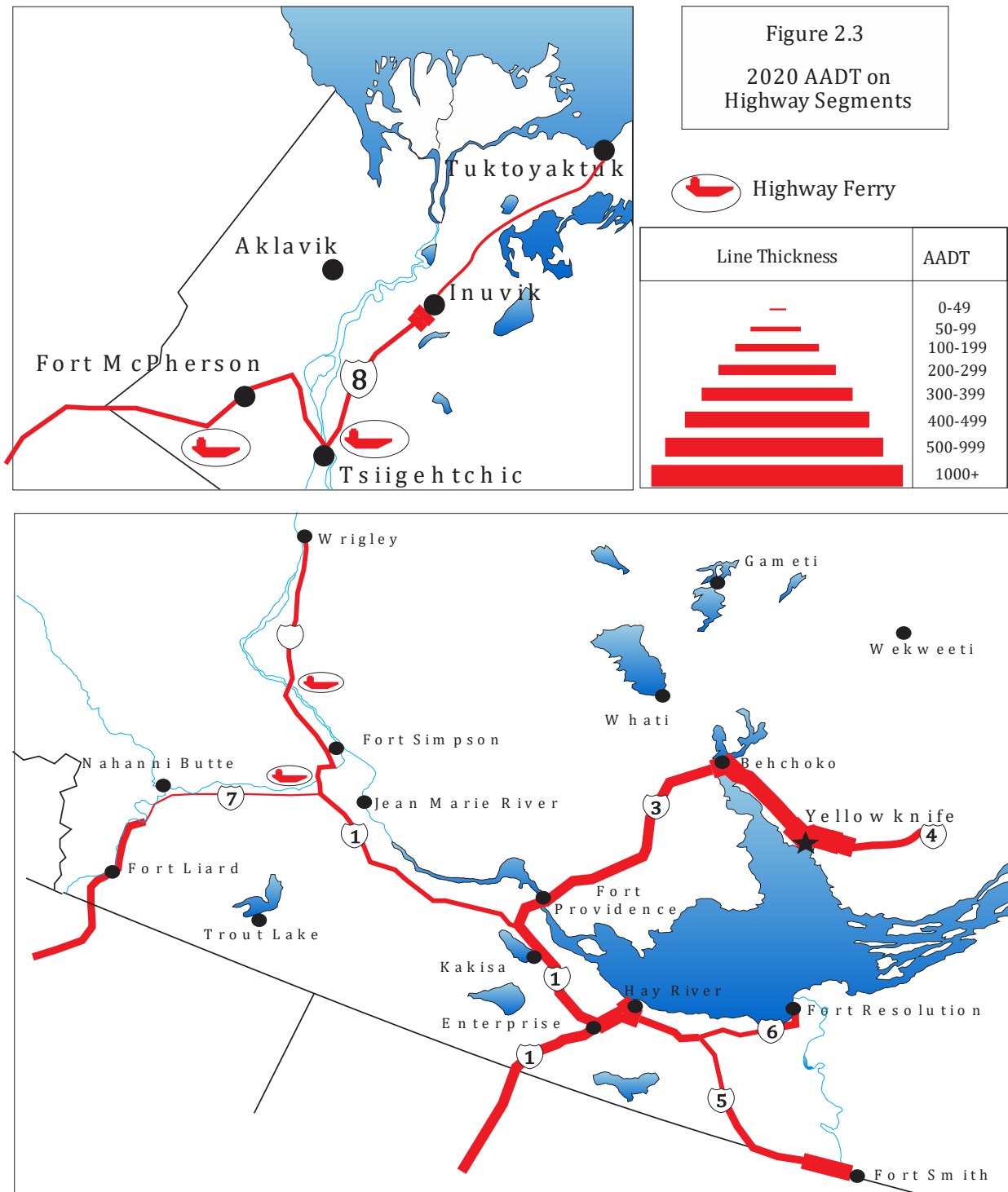


Figure 2.3 Estimated Traffic on Northwest Territories Highways

Highway ID	Kilometre Counter ID	Description	Average Annual Daily Traffic (AADT)										Peak Summer Average Daily Traffic (PSADT)									
			2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
1	58	1-58 15 km south of Alexandra Falls	210	460	470	470	460	450	430	350	260	250	170	**	630	640	620	590	570	460	290	330
1	85	1-85 1.2 km west of Enterprise	360	530	540	540	530	520	500	400	300	290	**	**	750	740	730	690	670	540	400	390
1	322	1-322 0.4 km west of Trout Lake Winter Road	60	60	50	60	60	70	60	60	80	60	70	70	80	70	80	90	70	70	110	90
1	477	1-477 5.2 km west of Fort Simpson Access on Highway 1	60	50	60	80	80	90	80	80	70	120	60	60	70	110	110	120	100	100	90	170
2	10	2-10 10 km north of Enterprise, south of Paradise Gardens	310	720	730	730	720	690	670	640	700	660	310	**	970	980	960	920	890	860	940	1060
2	32	2-32 40 metres north of Highway 2 & 5 intersection	610	1890	1930	1930	1890	1820	1750	1690	1840	1830	740	**	2560	2560	2510	2420	2330	2250	2450	2470
2	42	2-42 North of West Channel across bridge	1600	2350	2400	2400	2360	2260	2170	2100	2680	2660	1990	**	3200	3190	3130	3020	2900	2810	3570	3400
3	25	3-25 1 km north of Deh Cho Bridge	380	390	400	400	390	380	370	300	300	270	470	480	480	490	460	460	480	400	370	360
3	175	3-175 53 km north of Chan Lake, 62 km south of Edzo	190	210	260	380	370	360	350	280	280	250	230	230	520	520	510	480	460	370	370	330
3	240	3-240 3 km south of Rae access, south of Frank's Channel	610	600	750	970	950	930	890	950	820	760	660	610	740	1330	1300	1240	1190	1260	1110	830
3	324	3-324 21 km east of Boundry Creek	560	840	860	690	680	660	740	790	680	670	590	600	1190	790	780	740	810	1050	850	750
3	338	3-338 0.8 km west of Highway 3 and 4 intersection	3710	4370	5090	6340	6230	6020	6600	6990	6050	5980	4190	4710	6000	8120	7960	8030	8810	9330	7970	7010
4	1	4-1 1 km north of Highway 3 & 4 intersection	670	690	650	630	680	640	700	1360	1390	1200	830	830	790	700	830	790	790	1820	1920	1690
4	10	4-10 2.5 km east of Yellowknife River Bridge	810	810	720	580	630	610	670	940	960	1000	1060	970	930	570	620	630	690	1250	1260	1230
4	43	4-43 11 km east of Prelude Lake East Access	170	160	130	150	160	150	170	130	130	150	180	180	170	150	160	160	180	180	190	190
5	1	5-1 1 km east of Highway 2 & 5 intersection	600	680	700	720	710	680	660	640	630	620	840	**	960	960	940	910	880	850	840	830
5	19	5-19 19 km east of Highway 2 & 5 intersection	150	240	250	260	260	250	240	230	230	230	200	**	190	350	340	330	320	310	310	310
5	65	5-65 5 km south of Highway 5 & 6 intersection	70	130	130	90	90	90	90	100	100	110	90	**	90	90	90	90	130	130	130	120
5	232	5-232 25 km west of Fort Smith	100	150	120	180	170	170	170	160	160	150	140	**	150	240	240	230	220	210	210	200
5	257	5-257 6.1 km west of Fort Smith	330	530	540	570	560	540	520	500	500	490	380	430	760	760	740	720	690	670	690	670
6	30	6-30 8.5 km east of Pine Point Access	60	70	70	60	60	60	60	30	70	80	**	**	30	40	40	40	40	40	100	100
6	74	6-74 16 km west of Fort Resolution	80	100	100	100	100	100	100	100	100	100	100	**	120	140	140	140	140	130	130	130
7	35	7-35 2.6 km south of Fort Liard	60	80	90	100	100	120	100	100	110	110	50	100	100	120	130	150	130	130	150	150
7	253	7-253 0.3 km south of Highway 1 & 7 intersection	20	40	50	60	60	70	60	60	70	50	30	80	70	80	80	90	80	80	90	70
8	34	8-34 10 km west of Midway Lake	40	40	50	60	60	60	60	70	60	70	40	70	80	90	80	90	90	100	100	100
8	106	8-106 4.6 km north of Fort McPherson Access	80	90	180	90	80	90	80	90	120	110	90	140	140	110	100	120	110	120	170	160
8	243	8-243 1 km south of Cabin Creek	90	80	150	170	160	140	150	130	110	110	120	90	210	220	210	190	200	170	150	150
8	260	8-260 0.7 km north of airport access	300	1170	1530	1450	1370	1200	1250	1120	960	960	330	750	1900	1910	1810	1600	1670	1490	1270	1300
8	268	8-268 1.3 km south of Inuvik	610	2030	2650	2510	2380	2090	2180	1940	1660	1680	**	**	3300	3310	3150	2780	2900	2590	2210	2270
10	60	10-60 60 km north of Inuvik Town Limits	40	50	50								60	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													
			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

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
Fort Simpson	1	sim-1	1993	155	165	166	170	180	204	211	193	180	171	162	146	203
			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			
Jean Marie River	1	jmar	2000				16	22	30	23	17					23
			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													
			2004							24	23	33	23			24
			2003			34	36									
			2001									19	27	81		

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 Dec	Average Jan	Daily Feb	Traffic March	April	May	ADT
Aklavik	1	akl-1		2021	11-Dec-2020	25-Apr-2021	135	41	18	22	8			21
			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						
Colville Lake	1	col-1		2021	22-Dec-2020	7-Apr-2021	106		17	27	20			21
			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	
			Deline	1	del-n		2021	10-Jan-2021	7-Apr-2021	87		18	33	67
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	
Dettah Ice Road (Yellowknife Side)	1	dettah-1					2021	24-Dec-2020	16-Apr-2021	113		681	784	749
			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 1146	995	1024	1534	1303		1191	
			2014	13-Dec-2013	21-Apr-2014	129		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	
Dettah Ice Road (Dettah Side)	6	dettah-6		2021	24-Dec-2020	16-Apr-2021	113		235	271	283	293		267
			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	527 228	564	522	626	632		573	
			2014	13-Dec-2013	21-Apr-2014	129		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	
			Gameti	72	lacr		2021	17-Feb-2021	15-Apr-2021	57			30	48
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	
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			46	
Highway No. 1 (Deline Junction)	914	1-914		2021	24-Dec-2020	7-Apr-2021	104		22	64	67			51
			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	
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	Monthly Average Daily Traffic					ADT		
							Dec	Jan	Feb	March	April	May		
Highway No. 1 (Norman Wells North)	1031	1-104	2021	24-Dec-2020	7-Apr-2021	104			34	41	43			39
			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
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	2021	25-Jan-2021	15-Apr-2021	80			74	57	91	60		72
			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
Wekweeti	1	wek-1	2021	12-Mar-2021	15-Apr-2021	34					34	32		33
			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

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

[illegible]

Figure 2.7 Truck Traffic on the Tibbitt to Contwoyto Winter Road

		Gahcho Kue (1)	Ekati Mine	Diavik Diamond Mines Inc.	DeBeers Snap Lake		Mineral Exploration Traffic	Total
2021	Total Tonnage	60,500	32,764	112,877			49	206,190
	Total Trucks	1,913	932	3,254			3	6,102
2020	Total Tonnage	53,835	65,312	103,500			3,655	226,302
	Total Trucks	1,705	1,993	3,209			165	7,072
2019	Total Tonnage	58,881	80,447	108,290			264	247,882
	Total Trucks	1,731	2,491	3,064			203	7,489
2018	Total Tonnage	66,951	88,612	115,060			8,080	278,703
	Total Trucks	1,972	2,610	3,389			238	8,209
2017	Total Tonnage	61,590	84,935	114,778	12,608		5,573	279,484
	Total Trucks	2,030	2,556	3,294	159		270	8,309
2016	Total Tonnage	40,100	93,403	115,352	7,509		5,995	262,359
	Total Trucks	1,640	3,294	3,941	388		344	9,607
2015	Total Tonnage	61,151	83,045	106,031	51,726		3,262	305,215
	Total Trucks	2,224	2,078	2,758	1,771		84	8,915
2014	Total Tonnage	14,092	83,561	89,817	54,737		1,721	243,928
	Total Trucks	659	2,249	2,520	1,570		71	7,069
2013	Total Tonnage	0	64,051	111,659	42,116		4,296	222,122
	Total Trucks	0	1,649	2,888	1,277		203	6,017
2012 (2)	Total Tonnage	0	69,351	89,045	46,137		4,693	209,226
	Total Trucks	0	2,272	2,947	1,755		225	7,199
2011	Total Tonnage	0	64,594	127,375	42,619		4,457	239,045
	Total Trucks	0	1,967	3,863	1,373		186	7,389

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.

2021 season	51 days (February 8 - March 31)
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)

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 2011, 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)											
			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
1	58	Alberta Border to Enterprise	84.2	210	460	470	470	460	450	430	350	260	250	6.6	14.0	14.3	14.1	13.7	13.2	10.6	7.9	7.7				
1	85	Enterprise to Junction with Hwy #3	103.4	360	530	540	540	530	520	500	400	300	290	13.6	20.1	20.5	20.2	19.7	19.0	15.3	11.3	10.8				
		1 Arterial	187.6											20.2	34.1	34.9	34.9	34.3	32.1	25.9	19.1	18.5				
2	10	Enterprise to Junction with Hwy #5	37.5	310	720	730	730	720	690	670	640	700	660	4.2	9.8	10.0	10.0	9.9	9.5	9.1	8.8	9.6	9.1			
2	32	Junction with Hwy #5 to Hay River (West Channel Bridge)	6.2	610	1890	1930	1930	1890	1820	1750	1690	1840	1850	1.4	4.3	4.4	4.4	4.3	4.1	4.0	3.8	4.2	4.1			
2	42	1 km south Airport Access, .5 km north West Channel Bridge	43.7	1600	2350	2400	2400	2360	2260	2170	2100	2680	2660	5.6	14.1	14.4	14.4	14.2	13.6	13.1	12.6	13.8	13.2			
3	26	Junction with Hwy #1 to Port Providence Access	44.1	380	390	400	400	390	380	370	300	300	270	6.1	6.2	6.4	6.5	6.3	6.1	5.9	4.8	4.7	4.3			
3	175	Port Providence Access to Edzo Access	192.4	190	210	260	260	260	370	360	350	280	280	13.6	14.5	18.5	26.5	26.1	25.5	24.4	19.7	19.4	17.3			
3	324	Edzo Access to Rae Access	8.5	610	600	750	970	950	930	890	950	820	760	1.9	1.9	2.3	3.0	3.0	2.9	2.8	2.9	2.5	2.4			
3	324	Rae Access to Yellowknife Access (Old Airport Road)	88.5	560	840	860	690	680	660	740	790	680	670	18.0	27.0	27.6	22.3	21.9	21.4	23.9	25.4	22.0	21.6			
3	337	Old Airport Road Junction to Junction with Hwy #4	5.3	3710	4370	5090	6340	6230	6020	6600	6990	6050	5960	7.2	8.4	9.9	12.3	12.1	11.6	12.8	13.5	11.7	11.6			
		3 Arterial	338.8											46.2	58.1	64.7	70.6	69.4	67.6	69.7	66.3	60.3	57.2			
		Total Arterial	570.1											72.5	106.3	114.0	119.9	117.8	114.5	114.9	104.8	93.3	88.8			
1	322	Junction with Hwy #3 to Junction with Hwy #7	268.8	60	60	50	60	60	70	60	60	80	60	5.6	5.6	4.9	5.5	5.7	6.4	5.4	5.5	7.8	6.3			
*1	468	Junction with Hwy #7 to Fort Simpson Access	14.9	230	250	280	130	130	150	130	130	180	260	1.2	1.4	1.5	0.7	0.7	0.8	0.7	0.7	1.0	1.4			
1	477	Fort Simpson Access to Wrangley	79.2	60	50	60	80	80	90	80	80	70	120	1.8	1.6	1.7	2.4	2.4	2.6	2.2	2.3	1.9	3.6			
		1 Collector	362.9											8.6	8.5	8.1	8.6	8.8	9.9	8.3	8.4	10.7	11.3			
4	1	Junction with Hwy #3 to Veer Lake Access	5	670	690	650	630	680	640	700	1360	1390	1200	1.2	1.3	1.2	1.1	1.2	1.2	1.3	2.5	2.5	2.2			
4	10	Veer Lake Access to Prehude Lake East Access	11.8	810	810	720	580	630	610	670	940	960	1000	3.3	3.5	3.1	2.5	2.7	2.6	2.9	4.0	4.2	4.3			
4	43	Prehude Lake East Access to Tibbitt Lake	52.4	170	160	130	150	160	150	170	130	130	150	3.2	3.1	2.6	2.8	3.0	2.9	3.2	2.5	2.6	2.8			
		4 Collector	69.2											7.9	7.9	6.9	6.4	7.0	6.7	7.4	9.0	9.3	9.3			
5	1	Junction with Hwy #2 to Hay River Reserve Access	2.5	600	680	700	720	710	680	660	640	630	620	0.5	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6			
5	19	Hay River Reserve Access to Junction with Hwy #6	57.9	150	240	250	260	260	250	240	230	230	220	3.2	5.2	5.3	5.5	5.4	5.2	5.0	4.9	4.9	4.8			
5	65	Junction with Hwy #6 to Salt River Village Access Road	187.8	70	130	130	90	90	90	90	100	100	110	4.5	8.6	8.8	5.9	5.9	5.9	6.6	6.6	6.6	7.3			
5	232	Salt River Village Access Road to Trout Street	13.5	100	100	120	180	170	170	170	160	160	150	0.5	0.7	0.6	0.9	0.9	0.8	0.8	0.8	0.7	0.7			
5	257	Fort Smith Access (Trout St.) to King St. Intersection	4.3	330	530	540	570	560	540	520	500	500	490	0.5	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8			
		5 Collector	266.0											9.3	15.9	16.2	13.8	13.7	13.5	13.2	13.6	13.7	14.1			
6	30	Junction with Hwy #5 to Little Buffalo Village Road	68.3	60	70	70	60	60	60	60	30	70	80	1.5	1.7	1.8	1.5	1.5	1.5	1.5	1.6	1.6	1.9			
6	74	Little Buffalo Village Road to Fort Resolution	21.7	80	100	100	100	100	100	100	100	100	100	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8			
		6 Collector	90											2.1	2.5	2.6	2.3	2.3	2.3	2.3	1.6	2.4	2.7			
7	35	BC Border to Fort Liard	37.6	60	80	90	100	100	120	100	100	110	110	0.9	1.1	1.3	1.3	1.4	1.6	1.3	1.4	1.5	1.5			
7	253	Fort Liard to Junction with Hwy #1	216.5	20	40	50	60	60	70	60	70	50		1.9	3.1	4.0	4.7	4.9	5.3	4.6	4.8	5.2	3.7			
		7 Collector	254.1											2.8	4.2	5.3	6.0	6.3	7.1	5.9	6.1	6.8	5.2			
8	34	Yukon Border to Fort McPherson Access	85.4	40	40	50	60	60	60	60	70	60	70	1.1	1.2	1.6	1.9	1.9	1.9	1.9	2.3	2.0	2.0			
8	106	Fort McPherson Access to Mackenzie River Ferry	57.2	80	90	180	90	80	80	80	90	120	110	1.7	1.9	3.7	1.8	1.7	1.8	1.7	1.8	2.4	2.2			
8	243	Mackenzie River Ferry to Airport Access Road	116.7	90	170	160	150	140	150	130	110	110		4.0	3.4	6.3	7.4	7.0	6.1	6.2	5.5	4.7	4.6			
8	259	Airport Access Road to Tuk Park Access Road	6.1	300	1170	1530	1450	1370	1200	1250	1120	960	960	0.7	2.6	3.4	3.2	3.1	2.7	2.8	2.5	2.1	2.1			
8	268	Tuk Park Access Road to Inuvik	3.9	0	2030	2650	2510	2380	2090	2180	1940	1660	1680	0.9	2.9	3.8	3.6	3.4	3.0	3.1	2.8	2.4	2.4			
		8 Collector	269.3	0										8.2	12.0	18.7	17.9	17.0	15.5	15.7	14.9	13.6	13.3			
10	60	End of Hwy Road to Tuktoyaktuk Corporate Limits	133.6	40	50	50								2.1	2.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		Total Collector	1445.1											41.1	53.2	60.2	55.0	55.2	55.0	52.8	53.7	56.5	55.9			
		Total Vehicle Kilometres Traveled												1136	159.5	174.3	174.9	173.0	169.5	167.7	158.5	149.8	144.8			

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 = -1.5%)
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 = 1.4% (Arterial increase = 1.7%, Collector increase = -0.3%)
Percent increase from 2017 to 2018 = -0.4% (Arterial increase = -4.9%, Collector increase = 9.4%)
Percent increase from 2018 to 2019 = -8.5% (Arterial increase = -6.8%, Collector increase = -11.7%)
Average annual percent increase from 2011 to 2020 = -2.4% (Arterial increase = -2%, Collector increase = -2.9%)

Vehicle Kilometres Traveled (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.

le (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 2.9 Estimated Vehicle Kilometres Travelled on Northwest Territories Highways

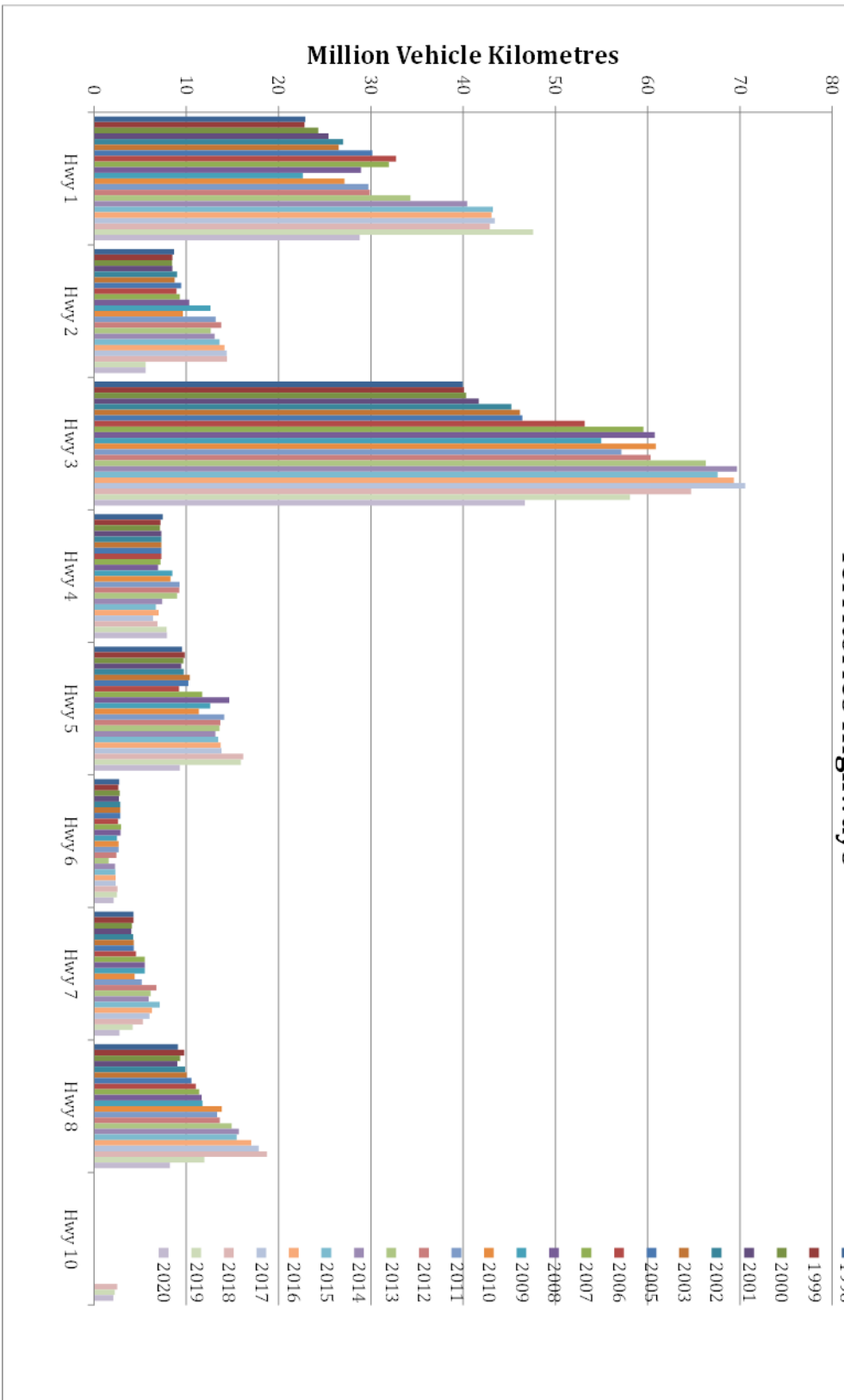
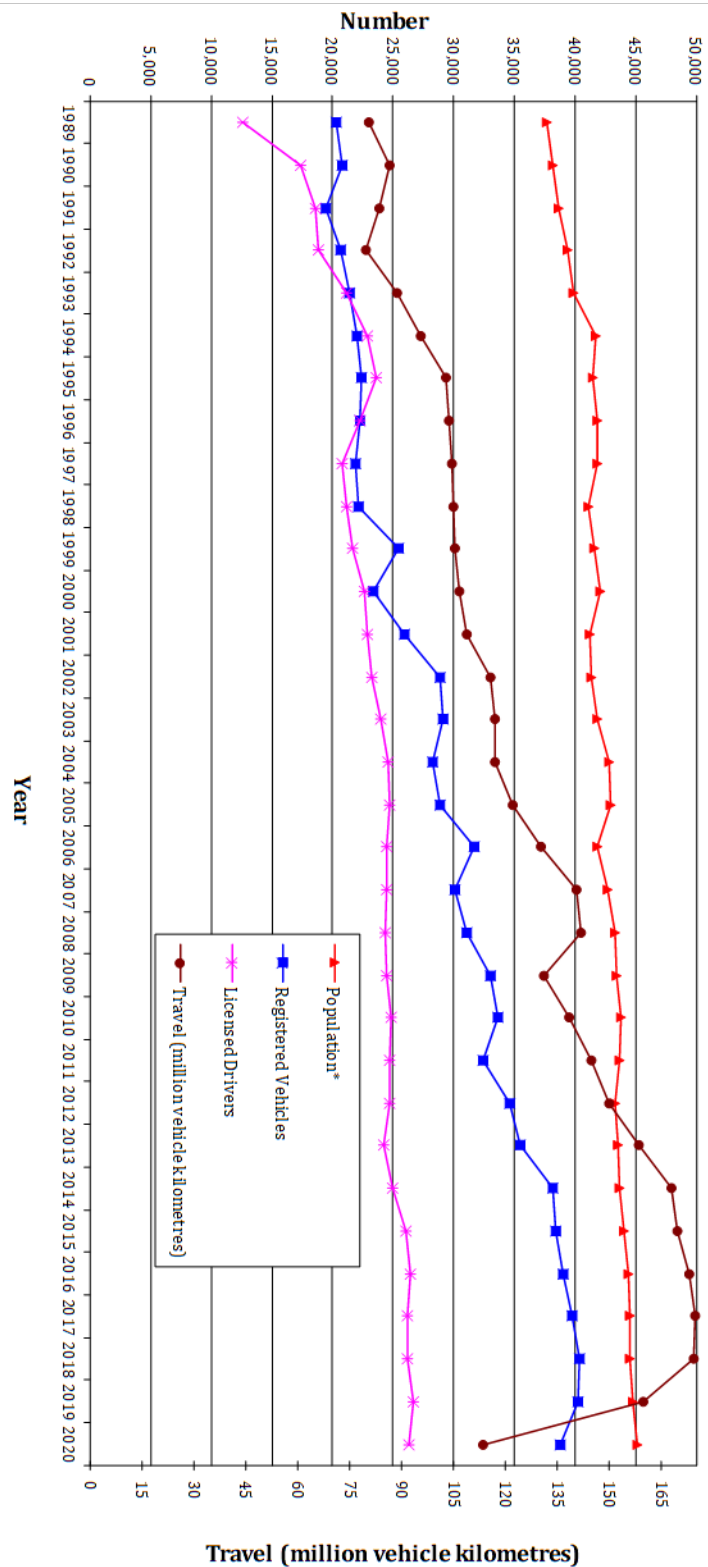
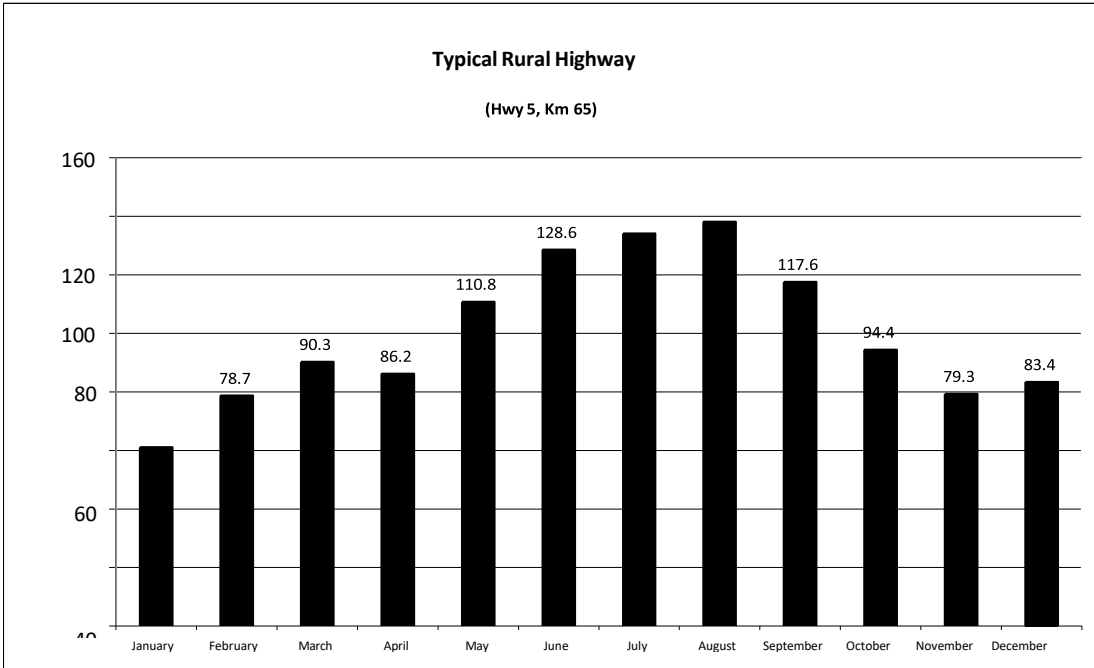
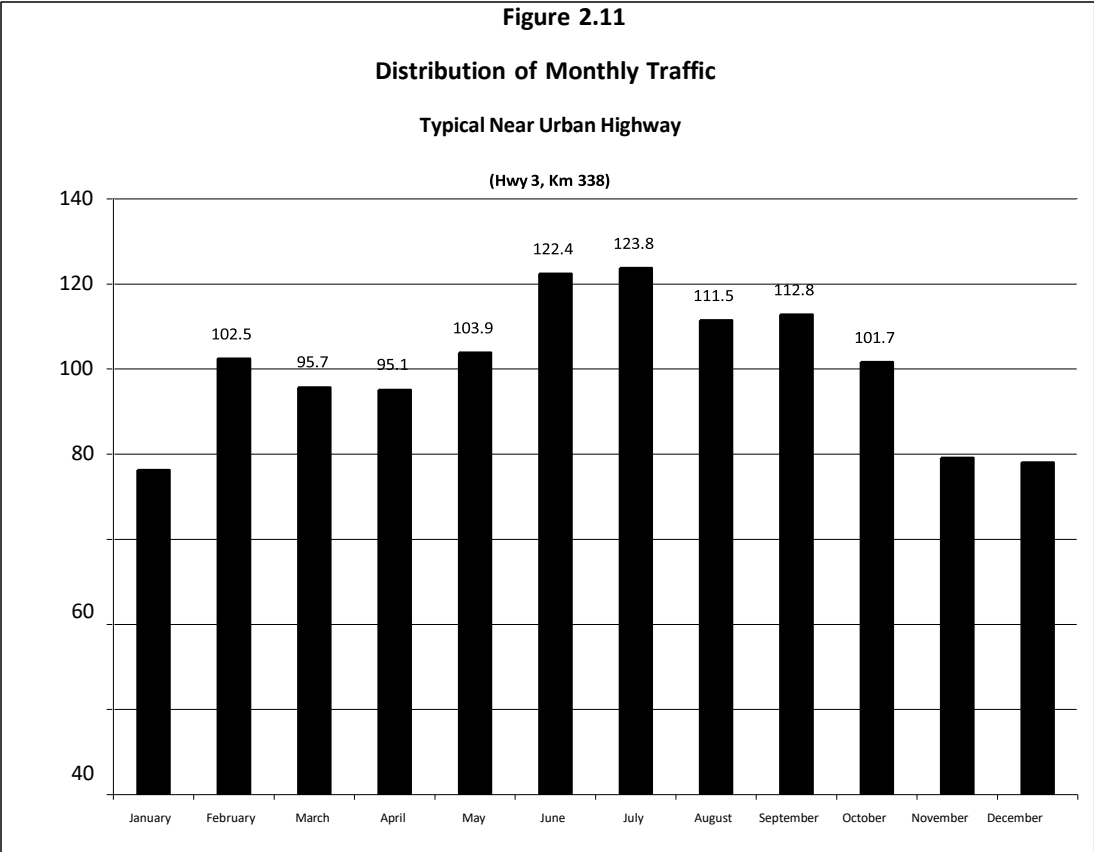


Figure 2.10 Yearly Trend in Road-Related Indicators



*Source: Northwest Territories Stats Bureau



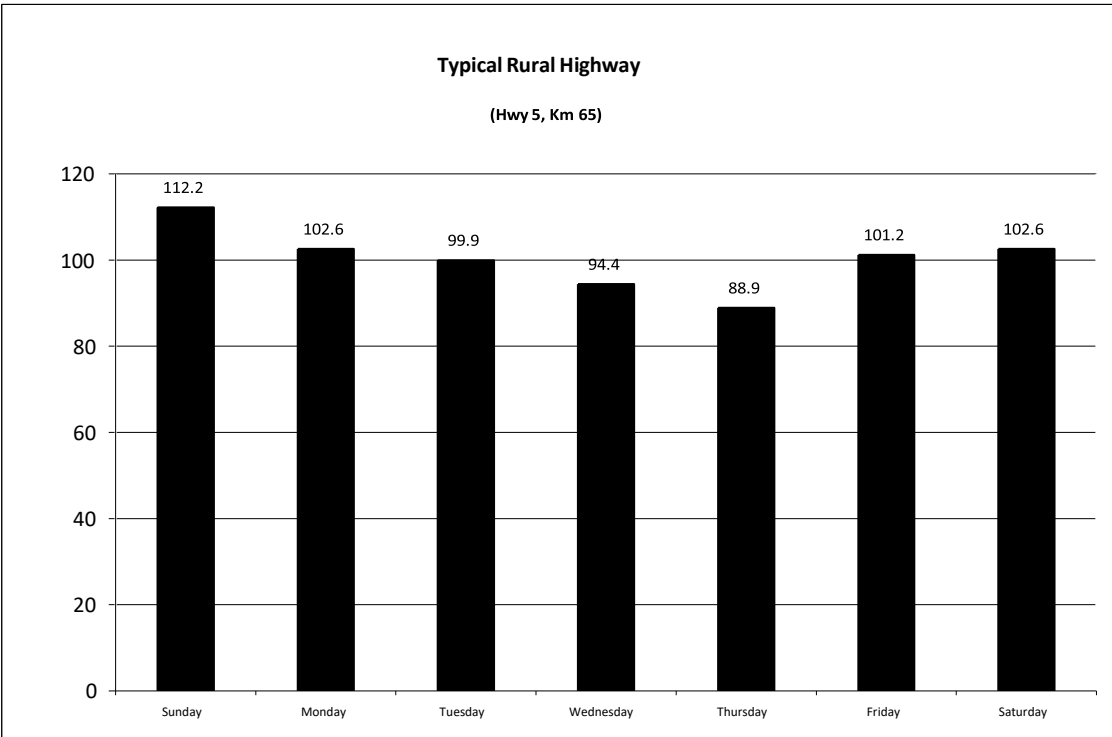
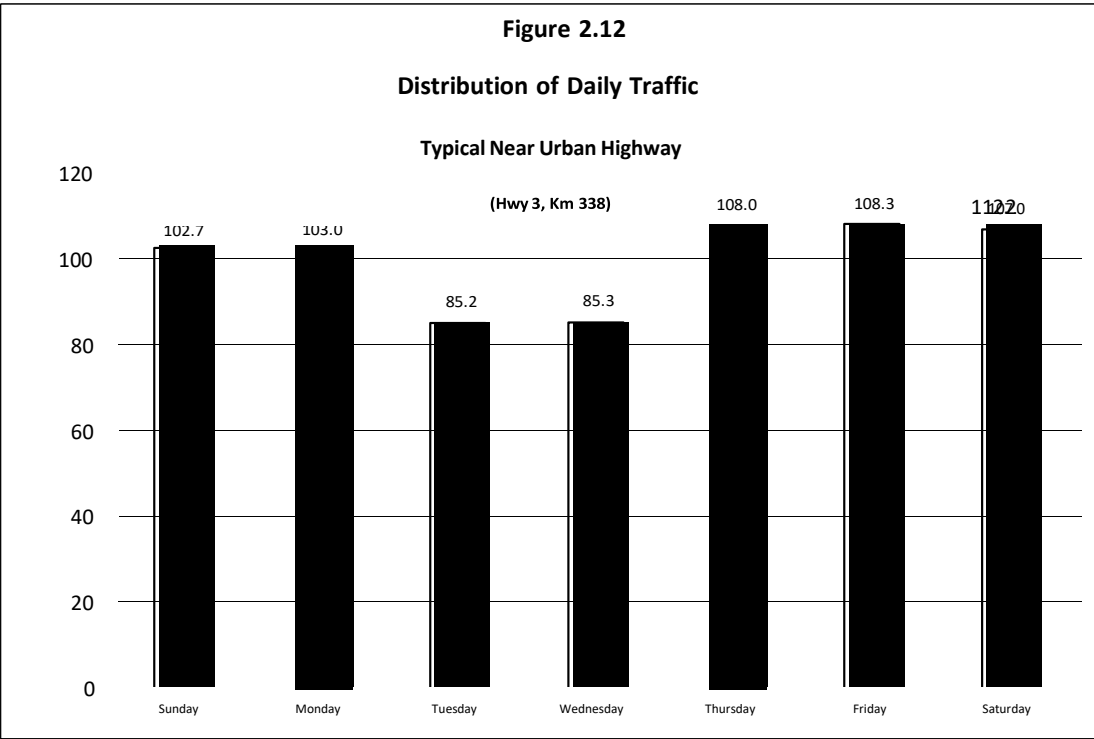
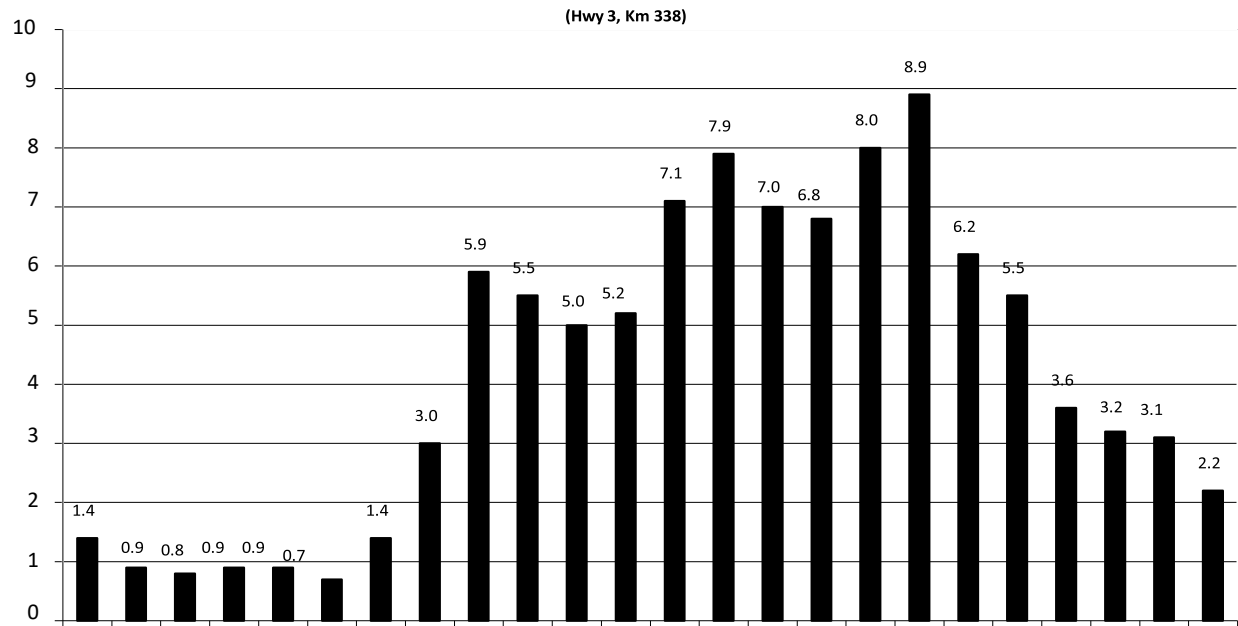


Figure 2.13

Distribution of Hourly Traffic

Typical Near Urban Highway



Typical Rural Highway

(Hwy 5, Km 65)

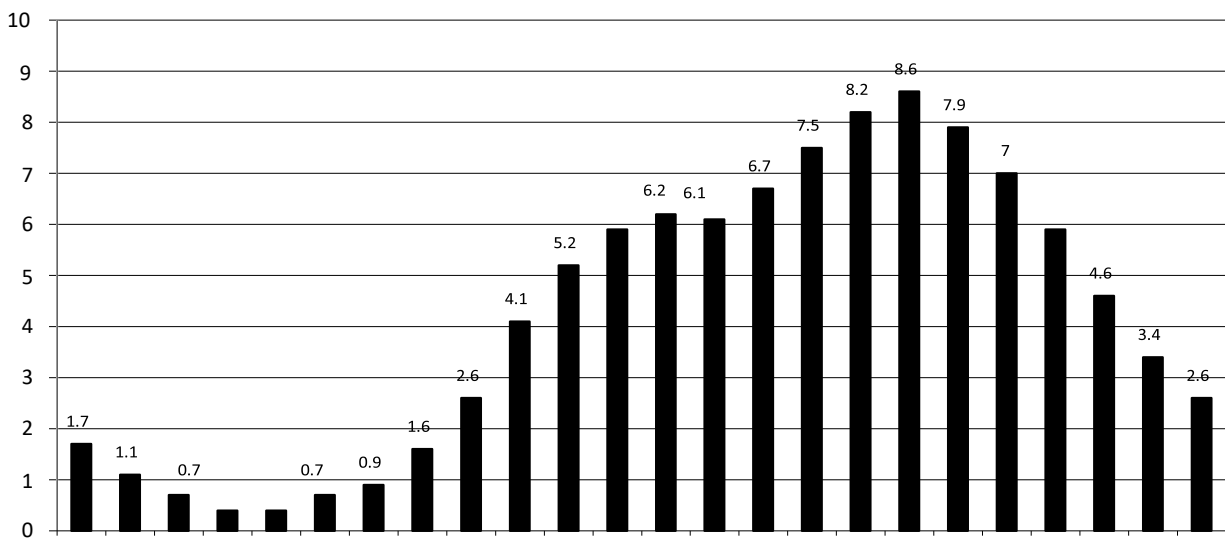
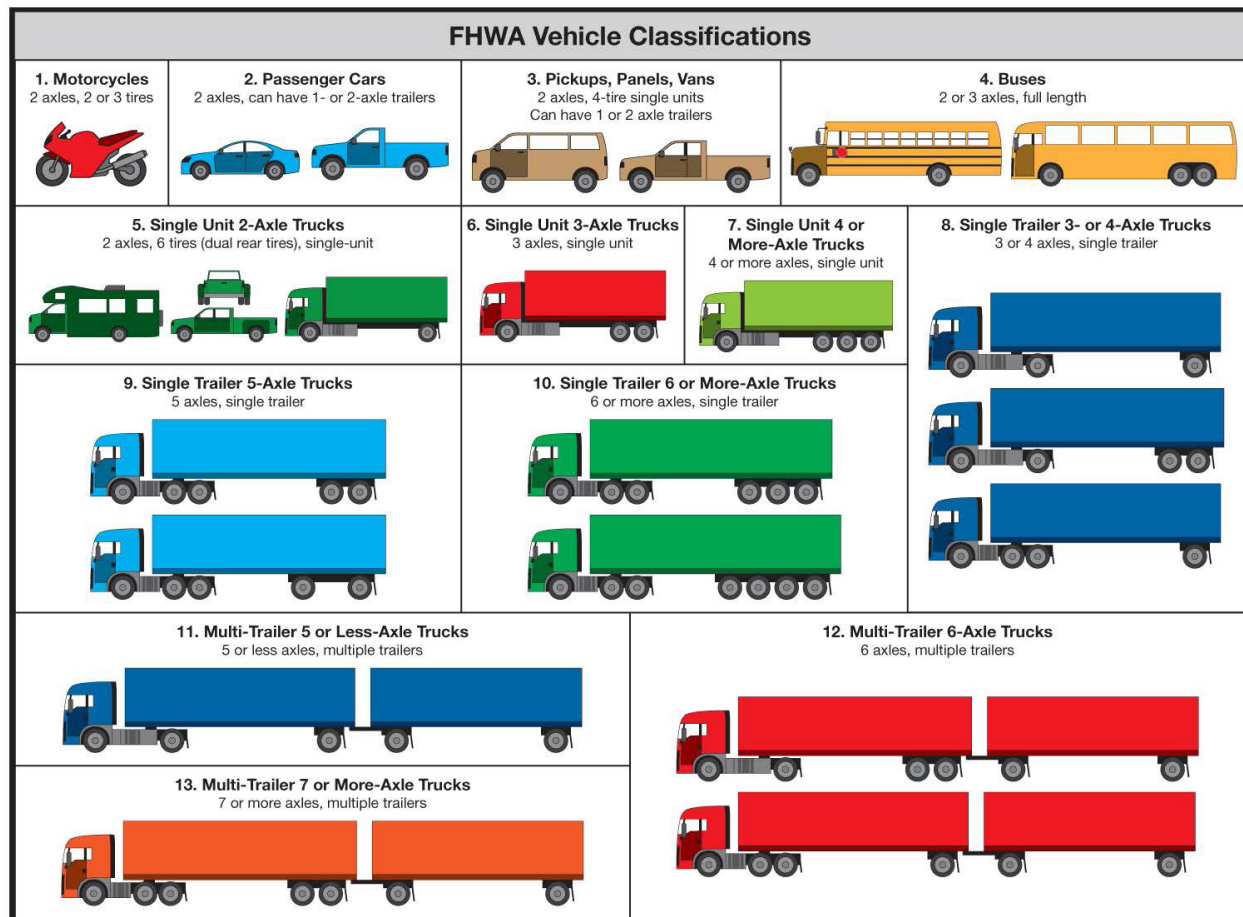


Figure 2.14 Deh Cho Bridge Traffic by Month and Federal Highway Administration (FHWA) Vehicle Class

FHWA Vehicle Class	Monthly Traffic												Total Annual Traffic
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	0	0	0	4	27	25	23	19	21	5	0	1	125
2	564	536	401	385	810	768	871	768	594	954	629	759	8,039
3	3,036	3,189	3,533	3,461	6,599	5,876	6,711	6,658	5,223	5,397	3,151	3,914	56,748
4	9	6	15	9	6	17	11	20	14	12	6	8	133
5	2,397	2,827	3,443	3,713	5,213	4,904	4,865	5,079	4,280	3,152	2,744	2,708	45,325
6	226	216	164	79	200	333	160	327	191	211	167	196	2,470
7	3	4	9	2	0	1	1	4	3	1	1	4	33
8	26	40	17	14	21	10	9	12	21	19	24	31	244
9	412	505	584	403	494	530	539	497	561	482	512	474	5,993
10	391	689	799	237	327	308	368	391	357	335	215	274	4,691
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	1,468	2,335	2,419	867	887	863	890	931	955	942	1,421	1,388	15,366
Total	8,532	10,347	11,384	9,174	14,584	13,635	14,448	14,706	12,220	11,510	8,870	9,757	139,167
ADT	275	357	367	306	470	455	466	474	407	371	296	315	AADT: 380



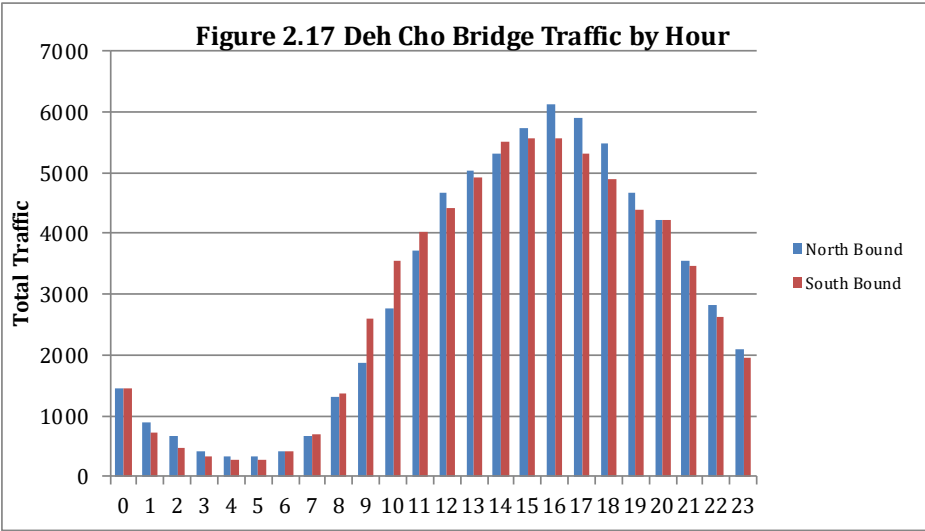
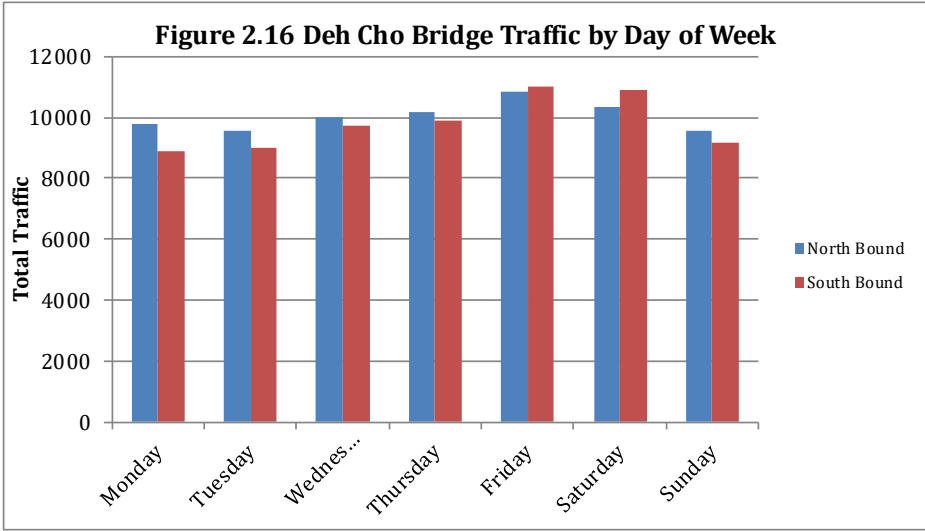
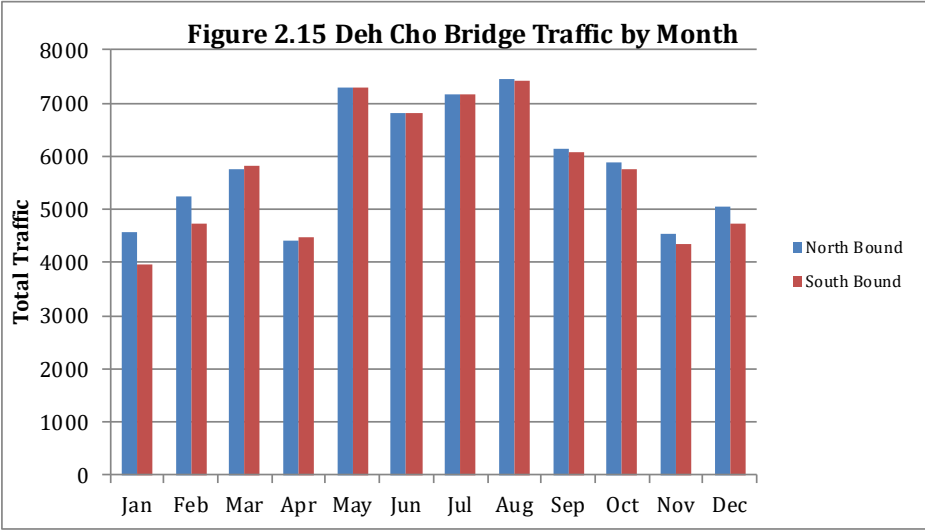


Figure 3.1 Average Daily Traffic on Highway Ferries

Ferry Crossing	Location	Ferry	Vehicle Type	Year															
				2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009				
Liard River	Highway 1, near Fort Simpson	M.V. Lafferty	Commercial Vehicles	16	15	28	17	17	23	20	21	37	36	20	19				
			Light Vehicles	88	90	117	90	97	108	91	91	128	92	90	96				
			Trailers Towed	6	9	10	10	9	10	8	9	17	9	8	8				
			Total	110	113	156	117	123	140	119	121	182	138	118	123				
Mackenzie River	Highway 8, near Tsiigehtchic	M.V. Louis Cardinal	Commercial Vehicles	18	24	24	17	19	18	18	10	25	20	40	27				
			Light Vehicles	89	108	136	115	108	93	99	95	106	116	108	109				
			Trailers Towed	3	17	18	8	6	6	5	4	8	7	9	10				
			Total	110	149	178	140	133	117	122	109	140	142	157	146				
Peel River	Highway 8, near Fort McPherson	C.F. Abraham Frands	Commercial Vehicles	13	20	22	20	22	24	15	20	30	45	42	25				
			Light Vehicles	51	107	84	84	75	81	79	91	87	105	100	88				
			Trailers Towed	1	14	9	5	8	8	11	5	7	7	9	7				
			Total	65	140	115	109	106	113	105	116	124	157	151	120				
Mackenzie River	Highway 1, near Camsell Bend	M.V. Johnny Berens	Commercial Vehicles	2	2	2	2	2	3	2	7	15	44	14	14				
			Light Vehicles	16	17	19	20	19	22	19	15	4	9	5	5				
			Trailers Towed	1	1	1	2	1	1	1	2	1	2	1	1				
			Total	19	20	23	23	23	26	22	23	21	55	20	19				

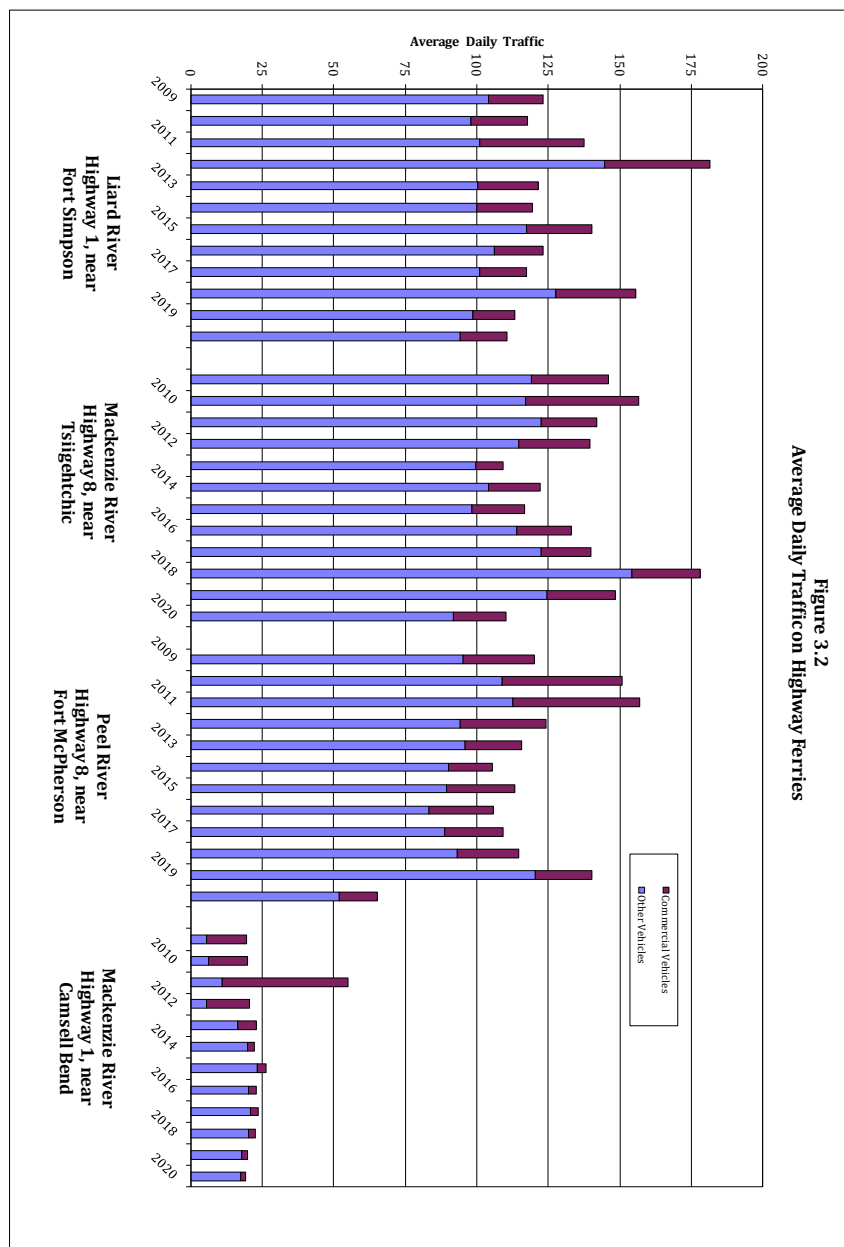


Figure 3.3 Vehicle Classification Data at Liard River Ferry (Highway 1 near Fort Simpson, M.V. Lafferty)

Operating Season		Month	Total Traffic	Average Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Percent of Total		Bus	Other	Total Commercial	Number of Passengers
12-May-20	1-Nov-20	May-20	1,911	96	87.18	5.76	2.56	3.19	0.10	0.00	1.20	7.06	3,445
		Jun-20	2,503	83	82.46	5.75	4.79	5.11	0.08	0.00	1.80	11.79	4,432
		Jul-20	3,630	117	75.73	5.40	3.91	12.81	0.06	0.00	2.09	18.87	6,246
		Aug-20	3,670	118	78.26	5.53	4.22	10.71	0.11	0.05	1.12	16.21	6,348
		Sep-20	4,034	134	79.35	5.78	4.78	8.13	0.05	0.00	1.91	14.87	6,652
		Oct-20	3,329	107	79.81	5.44	6.16	6.91	0.00	0.00	1.68	14.75	5,240
		Nov-20	25	25	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47
		Total	19,102	110	79.75	5.59	4.52	8.40	0.06	0.01	1.66	14.66	32,410
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
		Total	20,086	117	76.93	8.93	4.23	7.54	0.49	0.07	1.81	14.14	37,777
16-May-17	3-Nov-17	Total	21,678	123	78.67	7.55	4.41	7.45	0.23	0.08	1.62	13.77	39,861
		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
		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
		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
		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
		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

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	Truck Semi Trailer	Over size	Bus	Other	Total Commercial	Number of Passengers
12-May-20	1-Nov-20	May-20	1,911	96	87.18	5.76	2.56	3.19	0.10	0.00	1.20	7.06	3,445
		Jun-20	2,503	83	82.46	5.75	4.79	5.11	0.08	0.00	1.80	11.79	4,432
		Jul-20	3,630	117	75.73	5.40	3.91	12.81	0.06	0.00	2.09	18.87	6,246
		Aug-20	3,670	118	78.26	5.53	4.22	10.71	0.11	0.05	1.12	16.21	6,348
		Sep-20	4,034	134	79.35	5.78	4.78	8.13	0.05	0.00	1.91	14.87	6,652
		Oct-20	3,329	107	79.81	5.44	6.16	6.91	0.00	0.00	1.68	14.75	5,240
		Nov-20	25	25	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47
		Total	19,102	110	79.75	5.59	4.52	8.40	0.06	0.01	1.66	14.66	32,410
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
		Total	20,086	117	76.93	8.93	4.23	7.54	0.49	0.07	1.81	14.14	37,777
16-May-17	3-Nov-17	Total	21,678	123	78.67	7.55	4.41	7.45	0.23	0.08	1.62	13.77	39,861
9-May-16	1-Nov-16	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

Figure 3.4 Vehicle Classification Data at Mackenzie River Ferry (Highway 8 near Tsiigehtchic, M.V. Louis Cardinal)

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			
3-Jun-20	29-Oct-20	Jun-20	2,219	79	84.32	2.25	2.88	6.53	1.22	0.32	2.48	13.43	2,396	
		Jul-20	3,269	105	80.82	3.36	4.50	7.07	2.17	0.34	1.74	15.82	8,797	
		Aug-20	4,138	133	88.13	1.59	2.08	5.85	1.21	0.17	0.97	10.27	9,994	
		Sep-20	3,702	123	76.50	2.73	6.51	9.97	2.59	0.05	1.65	20.77	9,105	
		Oct-20	2,985	103	75.08	1.44	2.78	14.87	4.42	0.03	1.37	23.48	6,519	
		Total	16,313	110	81.12	2.27	3.81	8.77	2.30	0.17	1.56	16.61	36,811	
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	Total	21,400	140	81.91	5.58	1.48	4.74	2.02	0.41	3.86	12.50	43,330	
29-May-16	7-Dec-16	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	8.42	0.25	0.10	2.04	15.09	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	14.17	37,741	

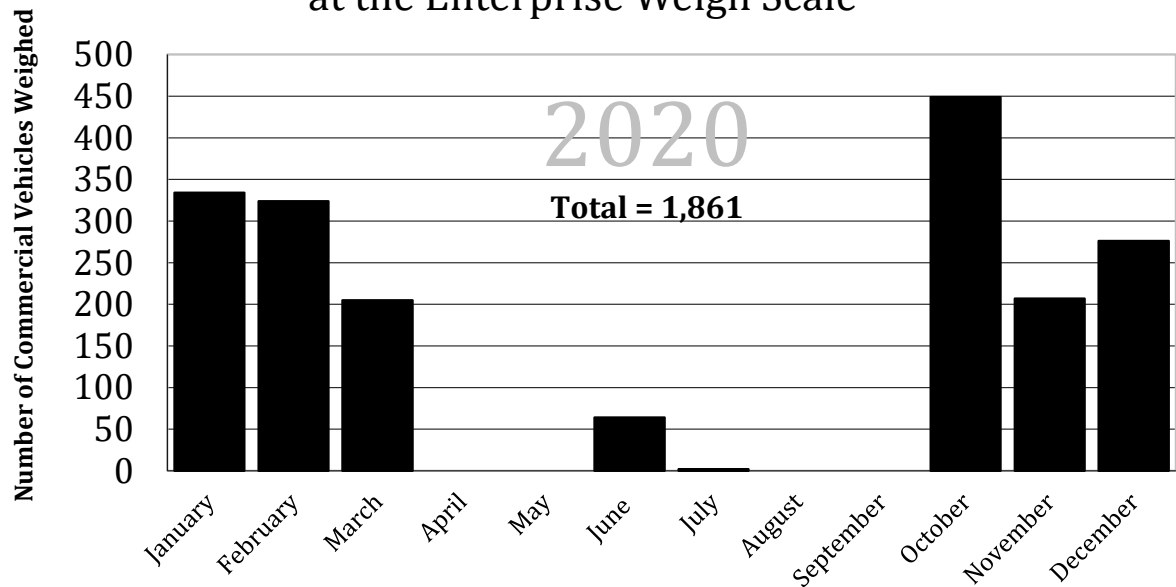
Figure 3.5 Vehicle Classification Data at Peel River Ferry (Highway 8 near Fort McPherson, C.F. Abraham Francis)

Operating Season		Month	Total	Average		Percent of Total							Number of Passengers
			Traffic	Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Over size	Bus	Other	Total Commercial	
3-Jun-20	2-Nov-20	Jun-20	1,836	66	83.55	2.07	3.54	7.14	1.09	0.16	2.45	14.38	4,625
		Jul-20	1,522	49	73.59	2.10	3.09	17.81	0.00	0.07	3.35	24.31	2,601
		Aug-20	2,570	83	82.45	1.95	0.62	12.72	0.08	0.08	2.10	15.60	5,306
		Sep-20	2,283	76	76.13	3.20	0.48	18.79	0.00	0.09	1.31	20.67	4,386
		Oct-20	1,596	51	69.30	1.63	1.13	25.69	0.00	0.00	2.26	29.07	2,761
		Nov-20	81	41	86.42	4.94	3.70	0.00	0.00	0.00	4.94	8.64	104
		Total	9,888	65	77.74	2.26	1.62	15.86	0.22	0.08	2.22	20.00	19,783
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
		Nov-18	132	19	87.12	4.55	0.00	6.06	0.00	0.00	2.27	8.33	249
		Total	18,112	115	73.40	7.77	1.64	9.24	0.15	0.29	7.51	18.82	34,247
8-Jun-17	9-Nov-17	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

**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	Percent of Total							Total Commercial	Number of Passengers
					Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi Trailer	Over size	Bus	Other		
31-May-20	25-Oct-20	May-20	16	16	93.75	6.25	0.00	0.00	0.00	0.00	0.00	0.00	36
		Jun-20	464	15	88.58	4.74	1.94	0.43	0.00	0.00	4.31	6.68	946
		Jul-20	619	20	79.48	5.01	2.26	9.53	0.00	0.00	3.72	15.51	1,243
		Aug-20	543	18	86.19	6.45	1.66	2.03	0.00	0.74	2.95	7.37	1,170
		Sep-20	630	21	86.35	9.05	1.59	1.27	0.00	0.00	1.75	4.60	1,350
		Oct-20	546	22	84.25	7.69	3.48	3.11	0.00	0.00	1.47	8.06	1,146
		Total	2,818	19	84.81	6.67	2.16	3.44	0.00	0.14	2.77	8.52	5,891
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	29-Oct-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	20	88.47	3.73	3.39	3.39	0.00	0.00	1.02	7.80	1,192
		Total	3,488	22	83.08	6.16	5.85	3.50	0.06	0.00	1.35	10.75	7,304
27-May-17	5-Nov-17	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

Figure 3.7
Commercial Vehicles Weighed
at the Enterprise Weigh Scale

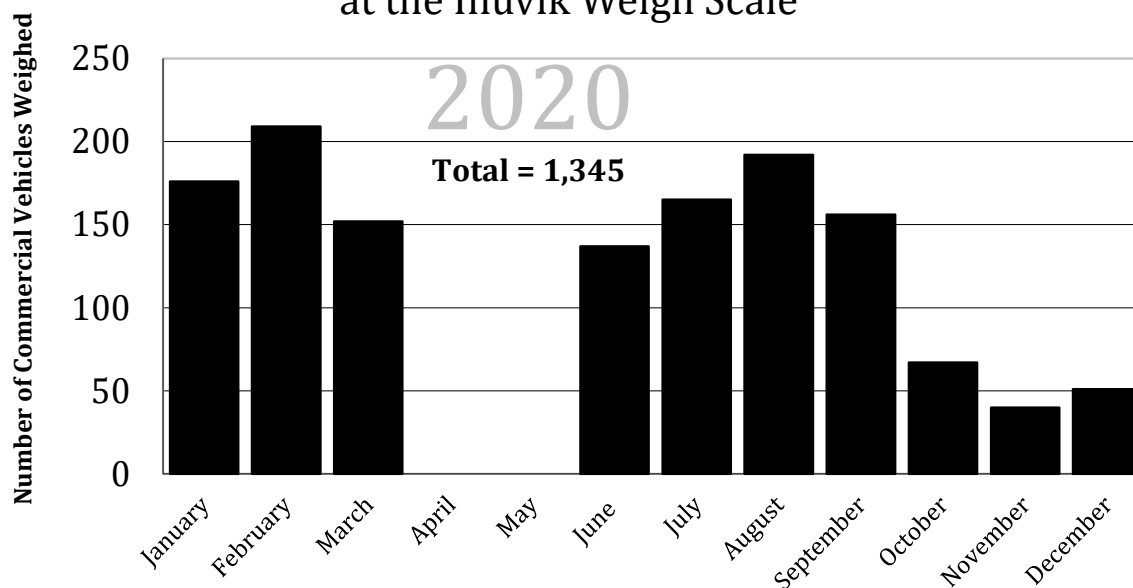


Total Vehicles Weighed

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2020	334	324	205	0	0	64	2	0	0	449	207	276	1,861
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

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

Figure 3.8
Commercial Vehicles Weighed
at the Inuvik Weigh Scale



Total Vehicles Weighed

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2020	176	209	152	0	0	137	165	192	156	67	40	51	1,345
2019	158	188	169	179	48	214	219	306	231	79	44	66	1,901
2018	190	196	181	192	44	263	245	302	238	112	35	48	2,046
2017	169	190	193	168	59	216	181	178	196	96	52	52	1,750
2016	130	136	158	177	55	109	148	166	145	100	87	59	1,470
2015	211	181	231	231	132	122	223	222	191	207	119	84	2,154
2014	208	175	239	231	132	116	209	237	197	207	105	76	2,132
2013	179	184	191	170	68	170	201	231	196	125	70	63	1,848
2012	228	234	243	216	86	216	255	294	249	159	88	80	2,348
2011	277	284	295	263	105	262	310	357	302	193	107	97	2,852
2010	206	212	220	196	78	195	231	266	225	144	80	72	2,125
2009	289	297	308	275	110	274	324	374	316	202	112	102	2,983
2008	332	341	354	315	126	315	372	429	362	232	129	117	3,424

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

Figure 3.9
Overweight Permits Issued

2020														
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	2	4	22	28	26	34	37	40	44	46	42	41	366	
Total	2	4	22	28	26	34	37	40	44	46	42	41	366	
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	
On-Line	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	
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	
On-Line	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	

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
Overdimension Permits Issued

2020													
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	1	0	0	0	0	1
On-Line	18	43	96	94	84	112	119	130	142	150	136	133	1,257
Total	18	43	96	94	84	112	119	131	142	150	136	133	1,258
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
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
On-Line	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

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 3.11
Registration Permits Issued (non-NWT Carriers)

2020														
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total	
Enterprise Weigh Scale	0	4	0	1	3	0	2	0	0	1	0	0	11	
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	4	0	0	0	0	0	7	0	10	1	1	24	
On-Line	612	576	458	187	209	300	311	332	327	307	280	250	4,149	
Total	613	584	458	188	212	300	313	339	327	318	281	251	4,184	
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	

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
Fuel Tax Permits Issued

2020														
Location	January	February	March	April	May	June	July	August	September	October	November	December	Total	
Enterprise Weigh Scale	0	4	0	1	1	0	1	0	0	1	0	0	8	
Inuvik Weigh Scale	0	0	0	0	0	0	0	0	0	0	1	0	1	
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	4	0	1	0	0	0	4	0	1	1	2	13	
On-Line	810	1,067	1,032	321	290	410	453	477	536	543	456	477	6,872	
Total	810	1,075	1,032	323	291	410	454	481	536	545	458	479	6,894	
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	
On-Line	872	1,307	1,661	0	530	756	754	853	892	862	589	505	9,581	
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	
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	
On-Line	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	
On-Line	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	

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 3.13 Vehicle Classification at the Enterprise Weigh Scale

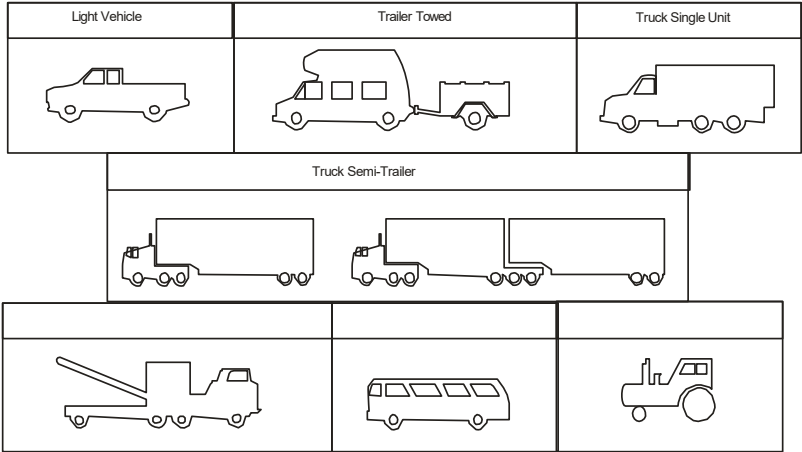
Unit Type	2020												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
Pickup >450 kg	7	13	7	0	0	0	1	0	0	11	5	4	48	2.58
Straight Truck	19	16	12	0	0	12	0	0	0	60	30	39	188	10.10
Tractor Semi Trailer	117	117	78	0	0	52	1	0	0	191	78	127	761	40.89
A Train	11	9	12	0	0	0	0	0	0	6	2	8	48	2.58
B Train	7	12	2	0	0	0	0	0	0	7	6	6	40	2.15
C Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Extended Length Trs	161	138	85	0	0	0	0	0	0	171	84	89	728	39.12
Pole Truck	12	9	1	0	0	0	0	0	0	0	1	3	26	1.40
Special Configuration	0	7	7	0	0	0	0	0	0	3	1	0	18	0.97
Bus	0	3	1	0	0	0	0	0	0	0	0	0	4	0.21
Total	334	324	205	0	0	64	2	0	0	449	207	276	1,861	100.00
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	0	1	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

Figure 3.14 Vehicle Classification at the Inuvik Weigh Scale

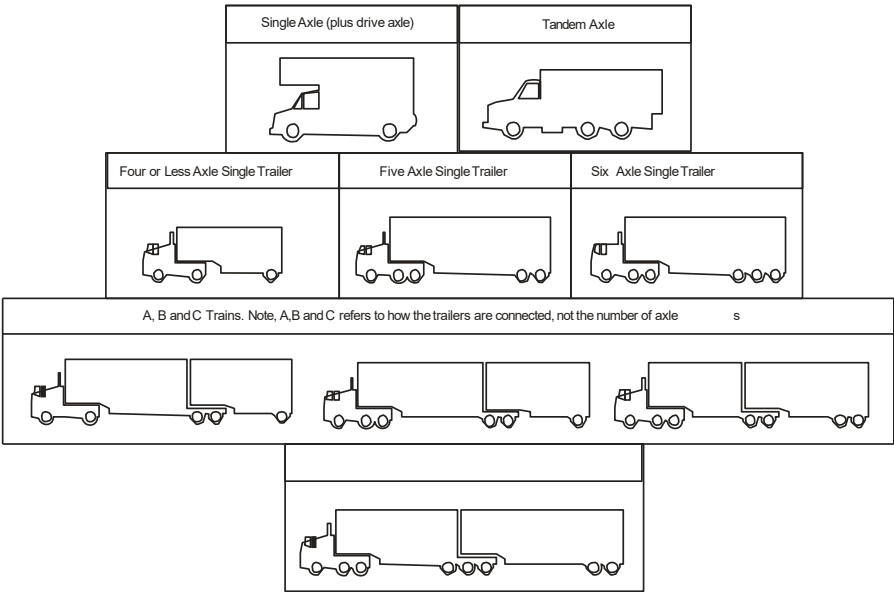
Unit Type	2020												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
2-3 Axle	42	38	25	0	0	46	51	53	49	12	12	15	343	2550
5 Axle	35	67	23	0	0	51	61	49	39	18	19	21	383	2848
6 Axle	48	42	36	0	0	24	35	45	33	37	9	15	324	2409
7 Axle	12	33	31	0	0	9	7	20	16	0	0	0	128	952
8 Axle	39	29	37	0	0	7	11	25	19	0	0	0	167	1242
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	176	209	152	0	0	137	165	192	156	67	40	51	1,345	100.00
Unit Type	2019												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
2-3 Axle	35	42	36	25	16	88	72	101	81	24	26	32	578	3041
5 Axle	58	52	42	39	14	65	79	96	35	22	7	16	525	2762
6 Axle	32	39	38	51	18	39	42	56	54	25	11	18	423	2225
7 Axle	9	29	24	32	0	11	9	25	26	4	0	0	169	889
8 Axle	24	26	29	32	0	11	17	28	35	4	0	0	206	1084
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	158	188	169	179	48	214	219	306	231	79	44	66	1,901	100.00
Unit Type	2018												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
2-3 Axle	42	51	47	35	17	91	90	98	67	35	18	21	612	2991
5 Axle	62	49	35	43	11	93	76	82	46	34	8	16	555	2713
6 Axle	37	46	49	52	16	54	49	62	52	31	9	11	468	2287
7 Axle	11	19	23	28	0	9	12	31	35	6	0	0	174	850
8 Axle	38	31	27	34	0	16	18	29	38	6	0	0	237	1158
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	190	196	181	192	44	263	245	302	238	112	35	48	2,046	100.00
Unit Type	2017												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
2-3 Axle	35	57	62	42	20	80	52	47	56	33	21	22	527	3011
5 Axle	57	45	45	39	15	45	49	32	20	29	10	14	400	2286
6 Axle	40	32	31	40	24	57	45	47	67	16	21	16	436	2491
7 Axle	15	21	25	16	0	11	15	22	19	8	0	0	152	869
8 Axle	22	35	30	31	0	23	20	30	34	10	0	0	235	1343
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	169	190	193	168	59	216	181	178	196	96	52	52	1,750	100.00
Unit Type	2016												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
2-3 Axle	57	52	72	57	35	82	75	68	57	53	42	27	677	3153
5 Axle	66	39	67	63	24	48	59	63	48	39	26	24	588	2739
6 Axle	38	49	62	75	31	48	69	58	52	32	39	17	570	2655
7 Axle	9	7	11	12	0	7	9	21	16	17	12	9	130	605
8 Axle	15	21	18	27	0	6	11	24	29	12	10	9	182	848
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	187	188	230	234	90	191	223	234	202	153	129	86	2,147	100.00
Unit Type	2015												12 Month	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% of Total
2-3 Axle	67	75	68	66	45	46	89	75	48	54	38	16	687	3189
5 Axle	72	48	82	59	48	35	52	61	57	69	24	29	636	2953
6 Axle	49	37	59	82	39	31	71	65	65	58	36	24	616	2860
7 Axle	11	12	10	9	0	6	7	10	9	10	10	8	102	474
8 Axle	12	9	12	15	0	4	4	11	12	16	11	7	113	525
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	211	181	231	231	132	122	223	222	191	207	119	84	2,154	100.00

Figure 3.15 Vehicle Classifications

Highway Ferries



Weigh Scale Classification



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

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 analyzed 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.

If you would like this information in another official language, call us.

English

Si vous voulez ces informations dans une autre langue officielle, contactez-nous.

French

Kīspin ki nitawihitīn ē nīhīyawihk ōma ācimōwin, tipwāsinān.

Cree

Tłıchq yatı k'èè. Dı wegodi newq dè, gots'o gonede.

Tłıchq

ʔerihł'is Dēne Sųłiné yatı t'a huts'elkēr xa beyáyatı theʔą ʔat'e, nuwe ts'ēn yółtı.

Chipewyan

Edı gondı dehgáh got'je zhatié k'ée edatł'éh enahddhę nıde naxets'é edahłı.

South Slavey

K'áhshó got'jne xədə k'é hederı ʔedłhtł'é yerıniwę nıde dúle.

North Slavey

Jii gwandak izhii ginjik vat'atr'ijáhch'uu zhit yinothtan jı', diits'at ginohkhii.

Gwich'in

Uvanittuaq ilitchurisukupku Inuvialuktun, ququaqluta.

Inuvialuktun

Ć'ᑔᑕ ᑎᑎᑭᑕ ᑕᑕᑕᑕ ᑕᑕᑕᑕ ᑕᑕᑕᑕ ᑕᑕᑕᑕ ᑕᑕᑕᑕ ᑕᑕᑕᑕ ᑕᑕᑕᑕ ᑕᑕᑕᑕ.

Inuktitut

Hapkua titiqqat pijumagupkit Inuinnaqtun, uvaptinnut hivajarlutit.

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