

Northwest Territories Highway Traffic Report

Rapport sur la circulation routière aux Territoires du Nord-Ouest



Fort McPherson	85km
Tsiigehtchic	142km
Inuvik	270km
Tuktoyaktuk	421km
Arctic Ocean	415km

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

2021



Introduction

The Northwest Territories highway network consists of 2,450 kilometres of all-weather roads and 1,400 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 2021. 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 2 450 kilomètres de routes toutes saisons et de 1 400 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 2021. 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 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 2021.

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 2021, approximately 75 % 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.

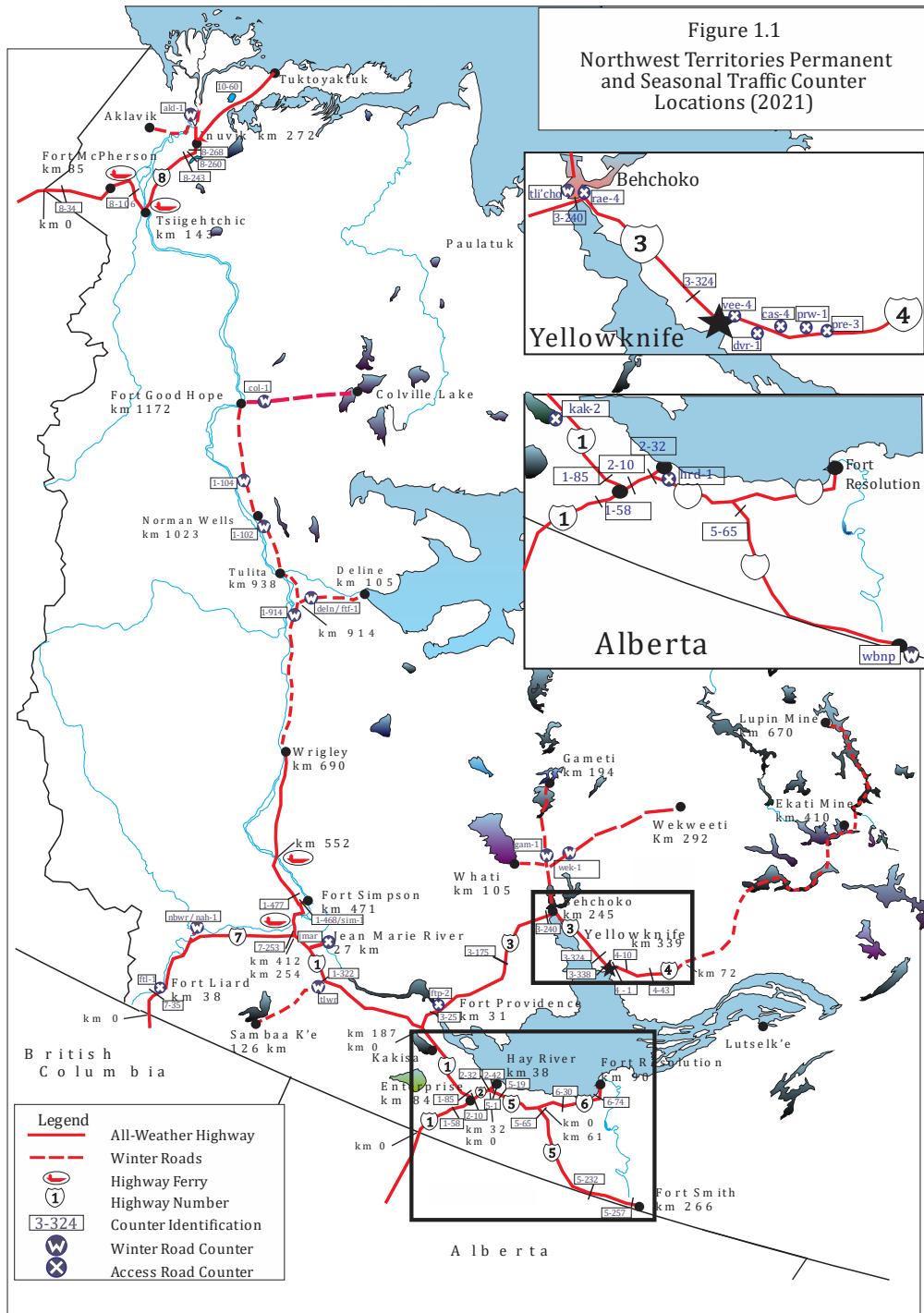


Table 1 Highway System Classification (2021)

	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 9 (Tlicho Highway)		97.0				97.0
Highway 10 (Inuvik Tuktoyaktuk Highway)		138.0				138.0
Total	1,154.3	772.8	331.6	2.5	0.0	2,261.2
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
Wha'ti Access		12.3				12.3
Highway 3 Ice Crossing Access		9.4				9.4
Miscellaneous Minor Access	3.2	8.5	45.2			56.9
Total	63.9	36.0	95.4	0.0	1.0	196.3
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
Gamèti Winter Road					151.0	151.0
Wekweèti Winter Road					243.0	243.0
Aklavik Access					116.0	116.0
Dettah Access					6.3	6.3
Total	0.0	0.0	0.0	0.0	1,399.0	1,399.0
Total All-Weather Roads						2,457.5
Total Winter Roads (Department of Infrastructure)						1,399.0

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
9-18	Highway 9	18	18 km north Highway 3
9-60	Highway 9	60	37 km south Gameti Winter Road intersection
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 Déljne 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
gam-1	Gameti	1	1 km north of junction with Highway 9
gam-25	Gameti	25	25 km north of junction with Highway 9
nbwr / nah-1	Nahanni Butte	2	2 km west of junction with Highway 7
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.

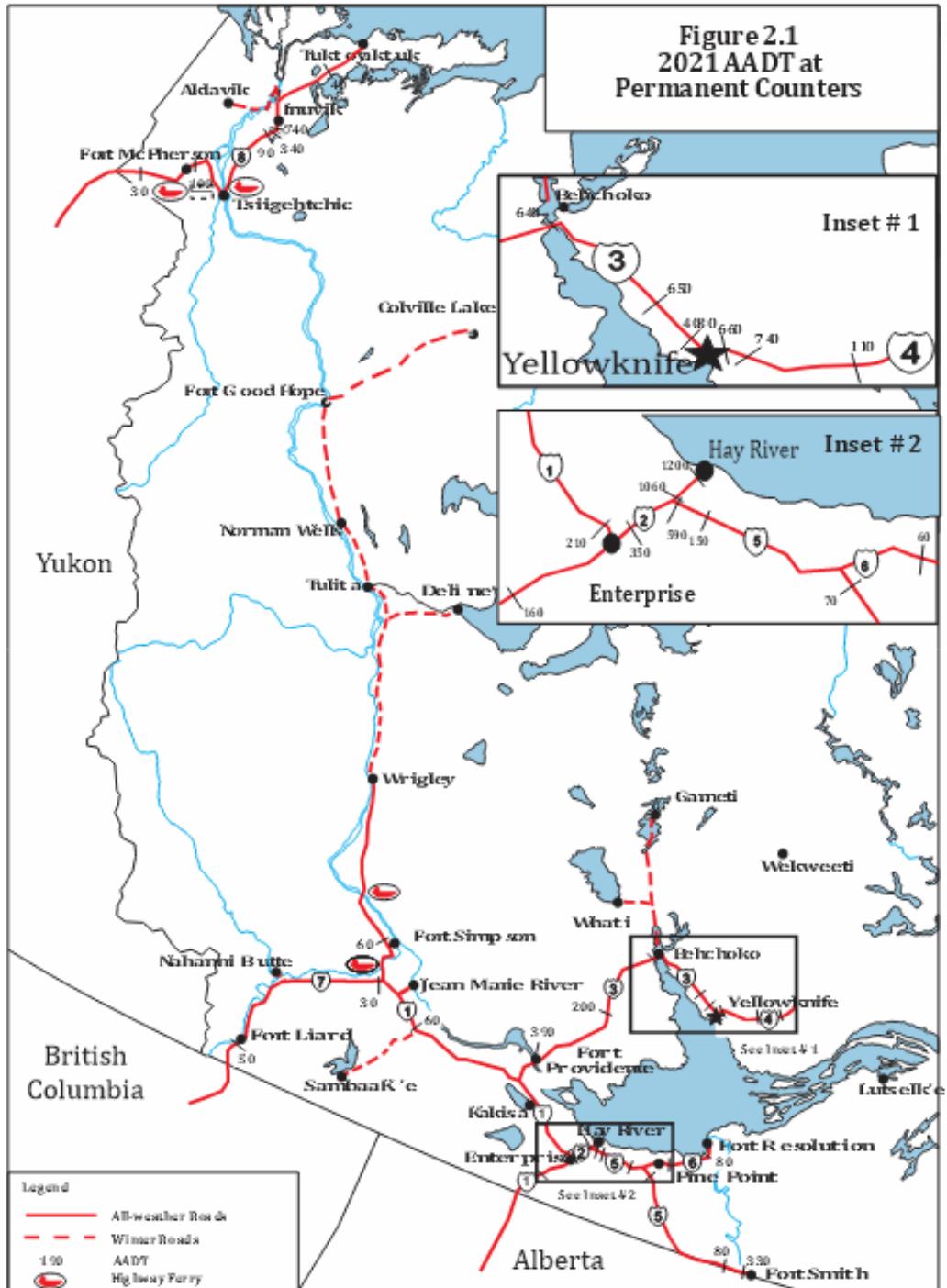
1.5 Layout Report

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 2.2

2021 AADT on
Highway Segments



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	93	178	479				546	378				
			2004		84	80	73										
			2001			36	404	287								455	
			2000		14	37	52	304	416	453	400	421	469	121	441	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	
			1995		29	33	41	216		451	391	420	407	414	170	43	
			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	
			2007		322	246	289	290	422	554	513	654		362	306	297	
			2006		318	301	280	303	420	500	478			355	266	405	
			2005		362	464	133	43	415	387	333			201	180		
			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	
			1999		316	423	259	309	662	239	205	176	170	154	149		
			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	
			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	
			1994		150	161	197	169	206			231	190	199	162	172	
			1993		155	165	166	170	180	204	211	193	180	171	162	146	
												911				203	
Fort Simpson	1	sim-1	2011		1227	1173	1803			1622	1524	1551	1467	1327	1216	1528	1566
			2010														
			2009		271	247											
			2008		1176	1221	1275	1198								476	
			2007		1203	1335	1261	954	1343	1323	1404	1349	1227	1258	1248	1340	
			2006		1075			1176	1126	1293	1465	1386	1397			1445	
			2005								1292	1493	1313	1202	1107	1041	
			2004														
			2003				1289	1302						269	354		
			2001					430									
			2000		961	991	1093	1110			911					911	
Jean Marie River	1	jmar	2011		24	6	33			2	18	30	17	44	31	10	17
			2010			17		20	32	76							
			2008			37	39	18	17	28	34	22	18	16	23	39	13
			2007					22	85	71	32	33	13	29		25	
			2006								24	23	33	23		26	
			2005													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 2.6 Opening and Close Dates for Winter Roads & Ice Bridges

Winter Roads	Highways #1 Tulita Highway	Highways #1 Norman Wells Highway	Delinie Access	Sambaa K'e Highway	Geewiinn Bluff Access	Wha'it Access	Deltah Access	Tukituvak Access	Ice Bridges	Crossing Point Infrastructure	Crossing Point Construction	Crossing Point Stimson	Milepost River Crossing	Crossing Point Bend	Minig Roads	Bridge Counterflow Road		
1987/88	Open 6-Feb	Closed 16-Mar	23-Jan 14-Jan	3-Feb 16-Mar	23-Jan 16-Mar	18-Dec 16-Mar	23-Jan 16-Mar	18-Dec 2-Jan	9-Jan 27-Nov	Open 9-Jan	27-Nov	1-Dec	18-Nov	12-Jan	Open 19-Jan	Open 4-Apr		
1988/89	Open 1-Feb	Closed 16-Mar	3-Dec 7-Jan	21-Jan 16-Mar	21-Dec 16-Mar	25-Jan 16-Mar	21-Dec 16-Mar	31-Dec 15-Apr	16-Apr 17-Apr	Closed 16-Apr	17-May	2-May	14-Dec	14-Dec	Closed 19-Apr	Closed 1-Feb		
1989/90	Open 3-Feb	Closed 16-Mar	11-Jan 24-Dec	11-Jan 16-Mar	12-Jan 16-Mar	1-Feb 15-Mar	11-Jan 16-Mar	1-Feb 15-Apr	14-Dec 11-Jan	Open 16-Apr	20-Nov	16-Nov	5-Nov	19-Apr	3-Dec	Open 28-Jan		
2000/01	Open 19-Jan	Closed 15-Mar	8-Jan 31-Mar	23-Feb 5-Apr	18-Dec 5-Apr	20-Apr 15-Mar	18-Jan 15-Mar	14-Feb 15-Mar	14-Feb 11-Jan	Open 17-Apr	20-Apr	12-Apr	14-Dec	5-May	22-Apr	Closed 3-Apr		
2001/02	Open 20-Dec	Closed 18-Mar	10-Jan 11-Jan	9-Jan 18-Jan	14-Dec 18-Mar	25-Apr 18-Mar	14-Jan 18-Mar	24-Jan 11-Feb	14-Dec 9-Apr	Open 12-Apr	21-Dec	15-Apr	14-Dec	5-May	15-Nov	3-Dec	Open 28-Jan	
2002/03	Open 22-Jan	Closed 18-Mar	22-Jan 10-Apr	20-Jan 10-Apr	18-Dec 18-Mar	27-Jan 18-Mar	19-Dec 18-Mar	27-Jan 17-Apr	18-Apr 17-Apr	Open 27-Jan	27-Apr	20-Apr	17-Dec	6-Dec	13-Apr	19-Dec	Open 1-Feb	
2003/04	Open 19-Dec	Closed 16-Mar	29-Dec 19-Dec	23-Jan 31-Mar	16-Dec 16-Mar	22-Apr 22-Apr	16-Dec 16-Mar	19-Dec 22-Apr	19-Dec 17-Dec	Open 13-Feb	26-Nov	20-Nov	14-Dec	6-Dec	14-Dec	19-Apr	Open 28-Jan	
2004/05	Open 13-Dec	Closed 1-Apr	4-Jan 1-Dec	3-Dec 1-Dec	1-Dec 15-Mar	14-Jan 15-Mar	1-Dec 15-Mar	13-Jan 11-Apr	10-Dec 11-Apr	Open 14-Jan	22-Apr	22-Apr	12-Dec	12-Apr	22-Apr	12-Dec	Open 31-Mar	
2005/06	Open 19-Dec	Closed 7-Apr	29-Dec 7-Apr	25-Jan 22-Mar	22-Dec 22-Mar	7-Feb 16-Apr	25-Jan 16-Apr	10-Dec 17-Dec	19-Dec 17-Dec	Open 13-Feb	26-Dec	13-Dec	23-Dec	9-Dec	14-Dec	19-Apr	Open 5-Apr	
2006/07	Open 22-Dec	Closed 31-Mar	21-Dec 9-Apr	7-Apr 31-Mar	5-Jan 31-Mar	16-Mar 31-Mar	5-Jan 31-Mar	12-Apr 12-Apr	28-Feb 4-Jan	Open 16-Mar	26-Apr	10-Dec	26-Apr	8-Dec	24-Nov	9-Nov	Open 28-Jan	
2007/08	Open 21-Dec	Closed 1-Dec	24-Dec 8-Dec	22-Jan 14-Dec	22-Dec 14-Dec	8-Feb 8-Feb	22-Jan 14-Dec	21-Dec 17-Dec	10-Dec 7-Dec	Open 14-Dec	26-Apr	26-Apr	6-Dec	14-Dec	24-Nov	11-Jan	Open 28-Jan	
2008/09	Open 12-Jan	Closed 5-Apr	23-Dec 6-Dec	20-Jan 5-Apr	19-Dec 5-Apr	8-Apr 5-Apr	19-Dec 5-Apr	11-Jan 11-Apr	14-Jan 11-Apr	Open 7-Feb	20-Dec	9-Jan	13-Jan	9-May	18-Apr	17-Nov	1-Dec	Open 5-Feb
2009/10	Open 23-Dec	Closed 31-Mar	23-Dec 31-Mar	23-Dec 31-Mar	28-Jan 31-Mar	9-Dec 31-Mar	28-Jan 31-Mar	20-Jan 11-Apr	28-Feb 4-Jan	Open 16-Apr	12-Apr	12-Apr	1-Dec	14-Jan	1-Dec	25-Nov	1-Dec	Open 26-Mar
2010/11	Open 23-Dec	Closed 9-Apr	23-Dec 16-Dec	20-Jan 5-Dec	19-Dec 5-Dec	8-Apr 5-Dec	19-Dec 5-Dec	11-Jan 11-Apr	14-Jan 11-Apr	Open 23-Jan	23-Dec	18-Dec	19-Dec	17-Apr	17-Apr	17-Nov	1-Dec	Open 28-Jan
2011/12	Open 20-Dec	Closed 6-Apr	20-Dec 6-Apr	19-Dec 5-Dec	23-Dec 5-Dec	5-Apr 5-Dec	23-Dec 5-Dec	14-Jan 14-Apr	20-Jan 14-Apr	Open 16-Apr	21-Feb	13-Apr	27-Apr	8-Dec	24-Nov	9-Nov	1-Dec	Open 25-Mar
2012/13	Open 20-Dec	Closed 16-Dec	19-Dec 3-Jan	22-Jan 31-Mar	20-Dec 31-Mar	9-Dec 31-Mar	28-Jan 31-Mar	20-Jan 11-Apr	22-Feb 8-Apr	Open 17-Apr	24-Dec	19-Dec	21-Dec	1-Dec	15-Apr	17-Dec	1-Dec	Open 8-Feb
2013/14	Open 29-Mar	Closed 7-Apr	29-Mar 14-Dec	10-Jan 14-Dec	14-Dec 14-Dec	1-Dec 7-Apr	14-Dec 14-Dec	14-Jan 11-Dec	16-Dec 22-Dec	Open 22-Dec	16-Dec	16-Dec	3-Dec	1-Dec	3-Dec	22-Nov	8-Nov	Open 28-Jan
2014/15	Open 12-Dec	Closed 31-Mar	17-Dec 31-Mar	17-Dec 31-Mar	10-Jan 31-Mar	16-Dec 31-Mar	10-Jan 31-Mar	19-Jan 19-Jan	17-Feb 17-Feb	Open 11-Jan	31-Dec	10-Dec	7-Dec	25-Apr	25-Apr	1-Dec	1-Dec	Closed 28-Mar
2015/16	Open 18-Dec	Closed 18-Dec	21-Dec 2-Apr	21-Dec 2-Apr	21-Dec 1-Dec	5-Feb 1-Dec	21-Dec 1-Dec	9-Jan 21-Apr	14-Feb 11-Dec	Open 20-Dec	13-Dec	20-Dec	11-Dec	21-Apr	21-Apr	17-Apr	17-Apr	Open 30-Jan
2016/17	Open 19-Dec	Closed 7-Apr	27-Dec 14-Apr	19-Dec 14-Apr	23-Dec 14-Apr	7-Mar 14-Apr	23-Dec 14-Apr	24-Jan 22-Apr	22-Apr 29-Apr	Open 19-Dec	3-Dec	1-Dec	23-Dec	11-Dec	27-Nov	11-Dec	12-Dec	Open 24-Mar
2017/18	Open 12-Dec	Closed 31-Mar	17-Dec 31-Mar	17-Dec 31-Mar	10-Jan 31-Mar	16-Dec 31-Mar	10-Jan 31-Mar	11-Jan 15-Apr	12-Apr 12-Apr	Open 20-Dec	13-Dec	20-Dec	13-Dec	25-Apr	25-Apr	1-Dec	1-Dec	Closed 29-Mar
2018/19	Open 18-Dec	Closed 18-Dec	22-Dec 2-Apr	22-Dec 2-Apr	20-Dec 31-Mar	9-Dec 31-Mar	25-Jan 31-Mar	19-Dec 7-Dec	20-Mar 8-Feb	Open 24-Dec	14-Mar	11-Jan	24-Dec	24-Dec	22-Nov	13-Nov	18-Dec	Open 30-Jan
2019/20	Open 20-Dec	Closed 20-Dec	23-Dec 20-Mar	20-Dec 20-Mar	20-Dec 20-Mar	28-Mar 20-Mar	20-Dec 20-Mar	12-Apr 12-Apr	12-Apr 11-Apr	Open 12-Dec	28-Apr	11-Apr	11-Apr	10-Apr	30-Apr	10-Apr	1-Dec	Closed 29-Mar
2020/21	Open 11-Dec	Closed 11-Dec	24-Dec 1-Apr	22-Dec 1-Apr	21-Dec 1-Apr	16-Dec 15-Apr	16-Dec 15-Apr	10-Jan 15-Apr	10-Apr 10-Apr	Open 28-Apr	28-Apr	11-Jan	11-Dec	8-May	19-Apr	18-Nov	20-Dec	Open 30-Jan
2021/22	Open 15-Dec	Closed 31-Mar	16-Dec 18-Apr	16-Dec 18-Apr	16-Dec 18-Apr	11-Dec 18-Apr	16-Dec 18-Apr	11-Dec 8-Apr	15-Apr 15-Apr	Open 24-Dec	17-Dec	16-Feb	16-Feb	12-Apr	21-Apr	5-May	7-Jan	Open 31-Mar
Last 20 years avg	Open 20-Dec	Closed 30-Mar	23-Dec 2-Apr	20-Dec 3-Apr	23-Dec 3-Apr	1-Dec 3-Apr	1-Dec 3-Apr	1-Jan 5-Apr	2-Apr 15-Apr	Open 24-Dec	15-Dec	2-Jan	2-Jan	15-Dec	27-Apr	5-May	6-May	Open 3-Jan
Last 5 years avg	Open 15-Dec	Closed 27-Mar	19-Dec 3-Apr	20-Dec 2-Apr	19-Dec 3-Apr	9-Dec 3-Apr	9-Dec 3-Apr	18-Apr 18-Apr	17-Apr 16-Apr	Open 24-Dec	17-Dec	2-Jan	2-Jan	15-Dec	20-Apr	6-May	6-May	Open 30-Mar

Figure 2.7 Truck Traffic on the Tibbitt to Contwoyto Winter Road

		Gahcho Kue (1)	Ekati Mine	Diavik Diamond Mines Inc.	De Beers Snap Lake	Mineral Exploration Traffic	Total
2022	Total Tonnage	62,203	66,451	111,228		466	240,348
	Total Trucks	1,797	1,799	3,014		23	6,633
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

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.

2022 season	59 days (January 31 - March 31)
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)

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 preceding 2012, please see Appendix B 'Historical Data'.

Refer to Figure 1 for the location of this winter road

Figure 2.9 Estimated Vehicle Kilometres Travelled on Northwest Territories Highways

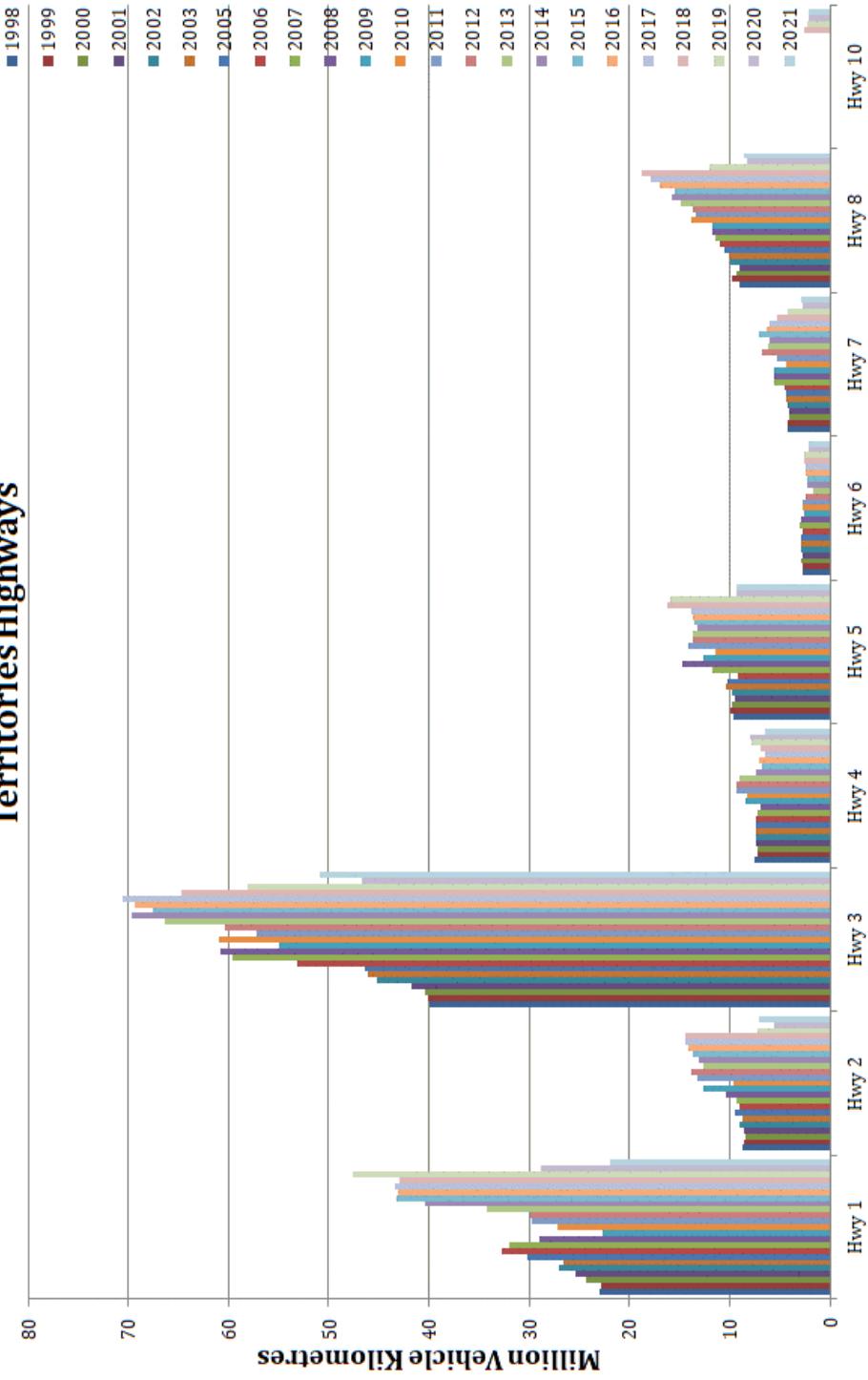


Figure 2.10 Yearly Trend in Road-Related Indicators

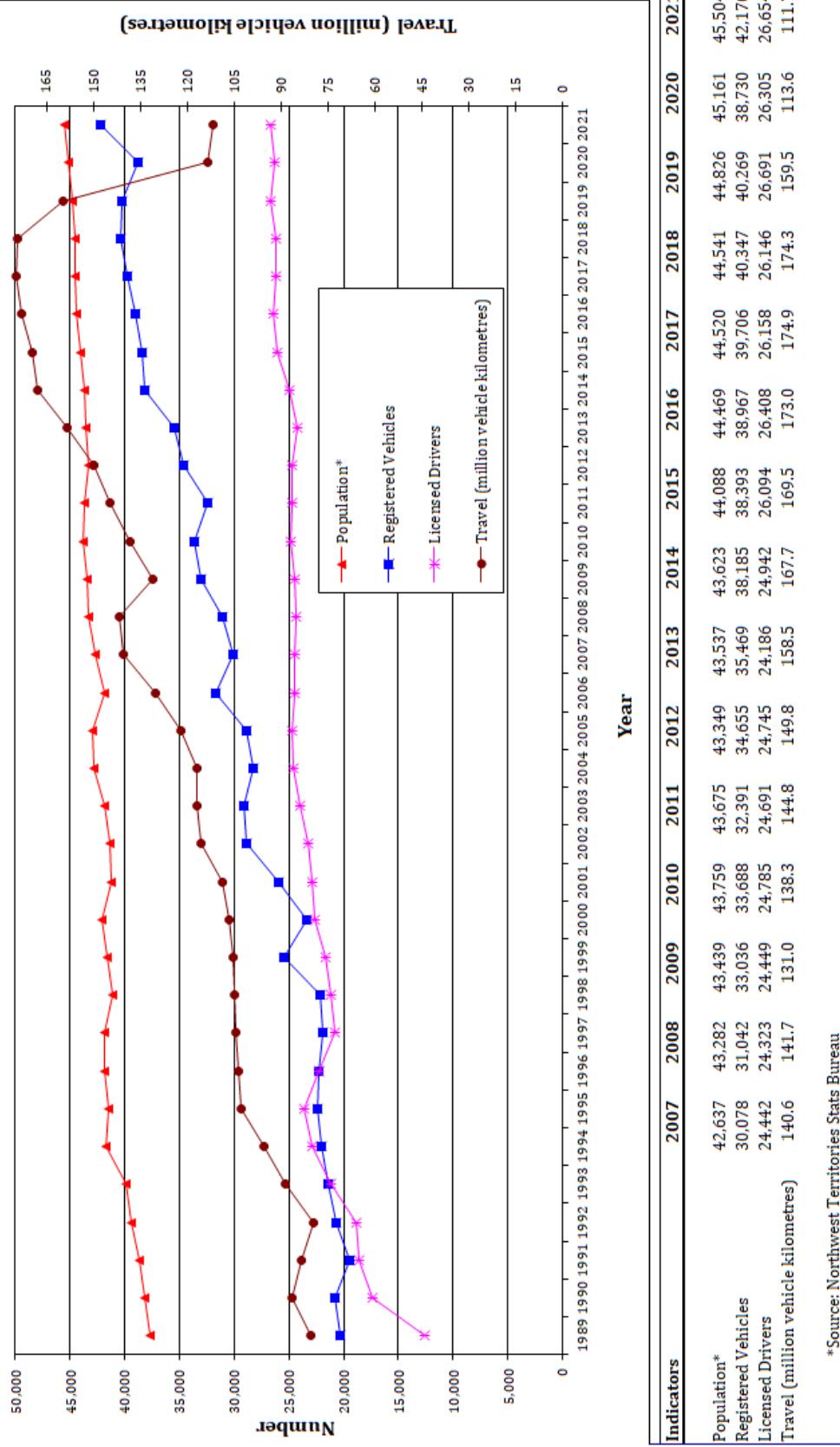
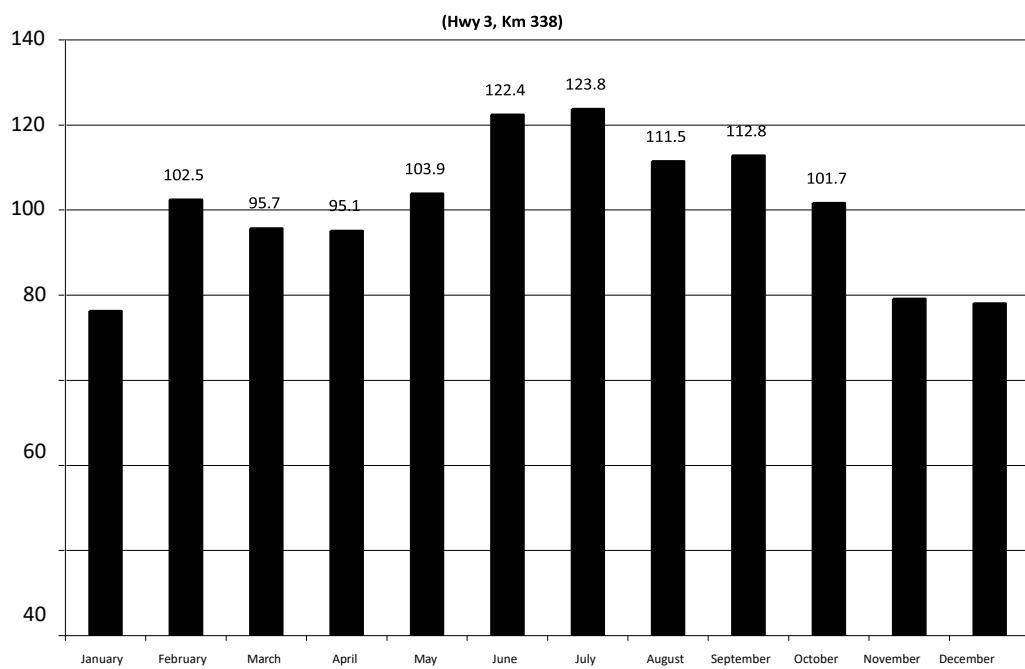


Figure 2.11
Distribution of Monthly Traffic
Typical Near Urban Highway



Typical Rural Highway

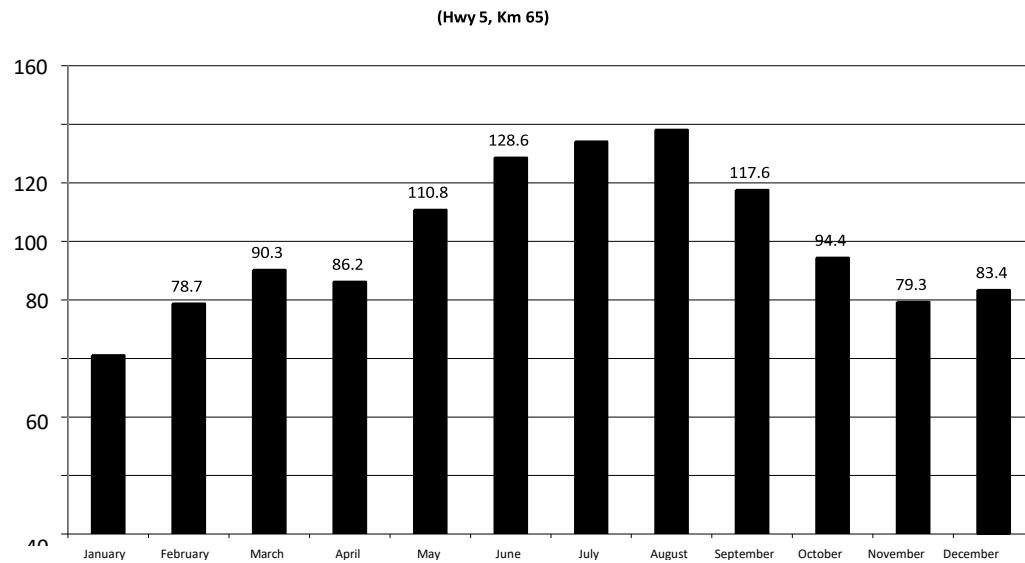


Figure 2.12
Distribution of Daily Traffic

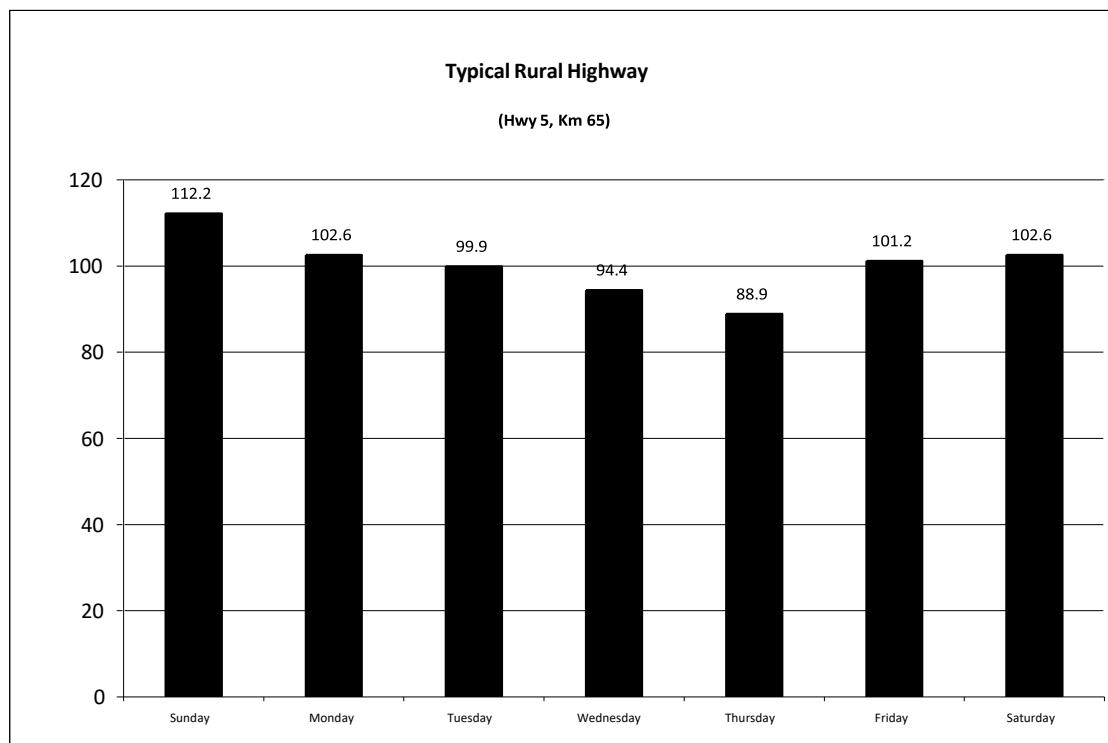
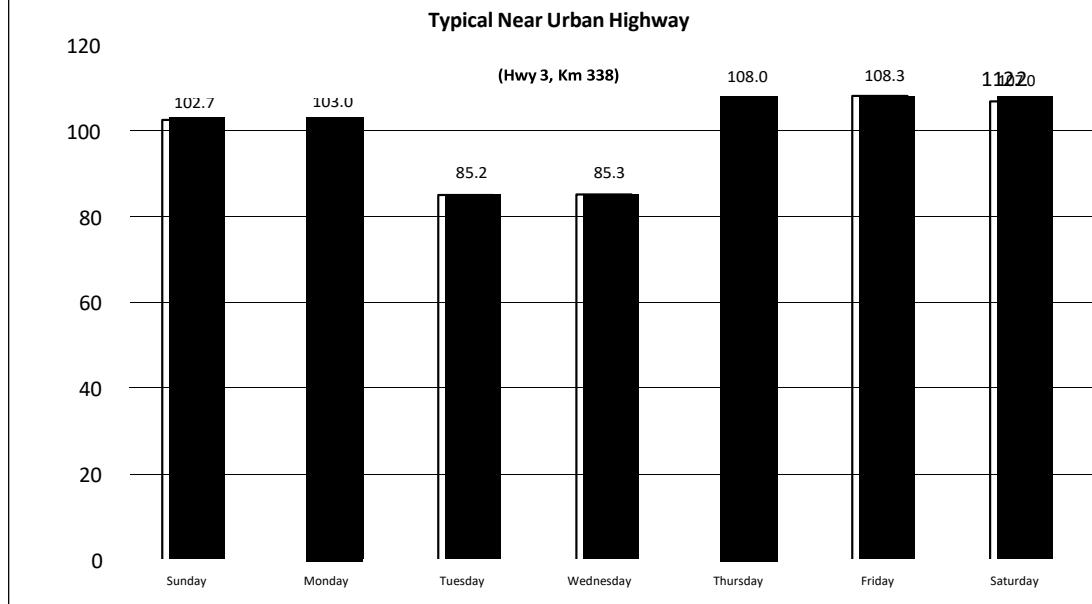
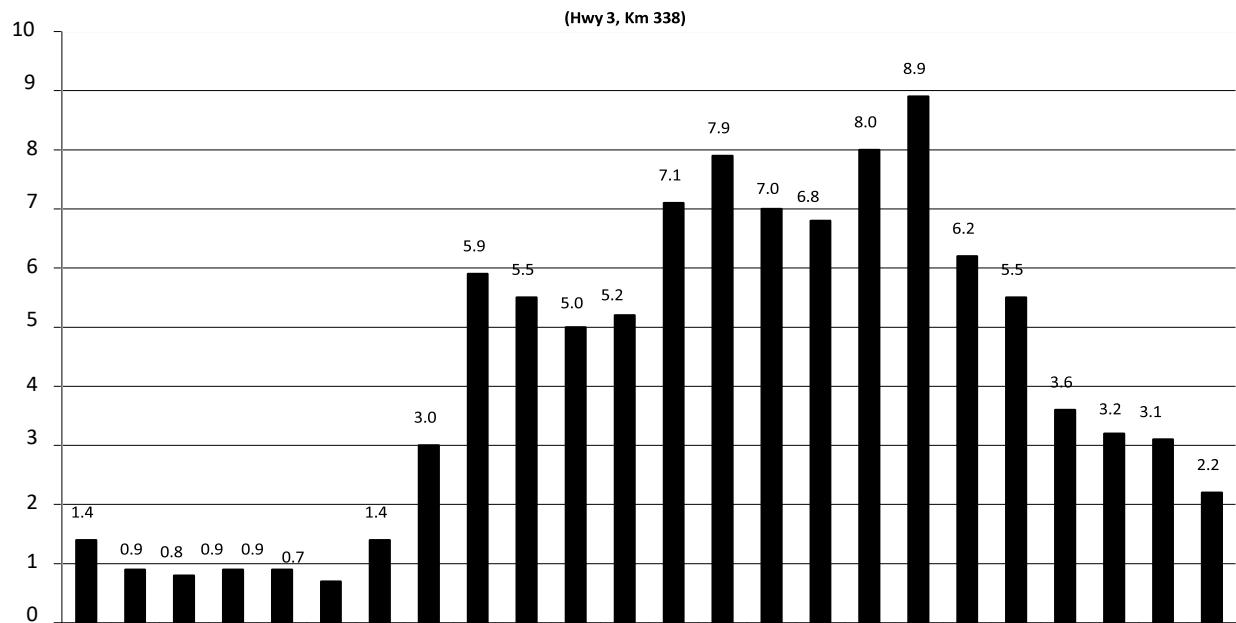


Figure 2.13

Distribution of Hourly Traffic

Typical Near Urban Highway



Typical Rural Highway

(Hwy 5, Km 65)

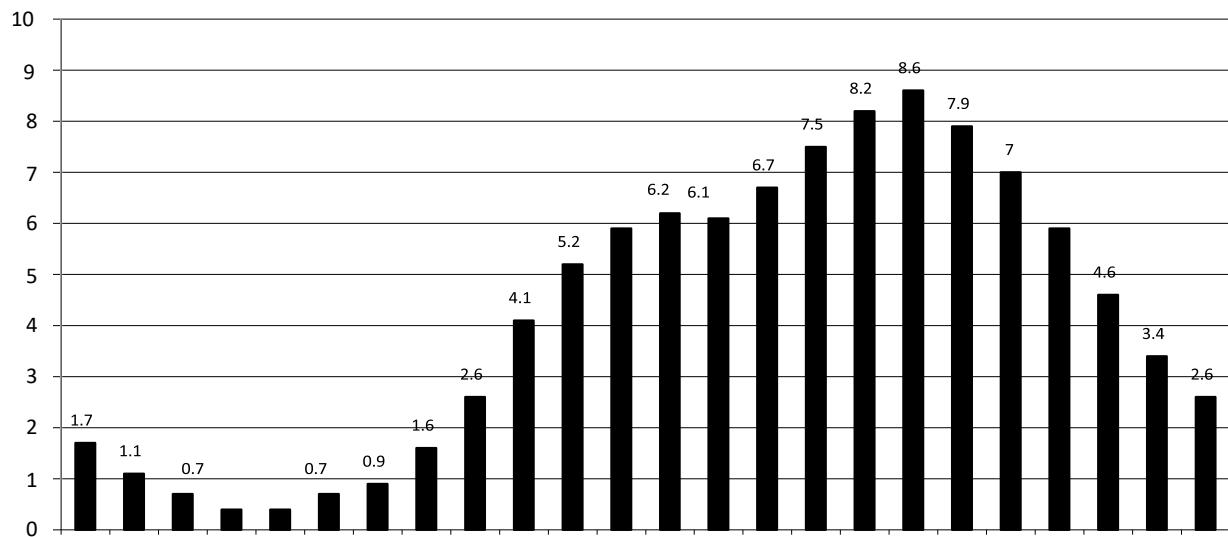
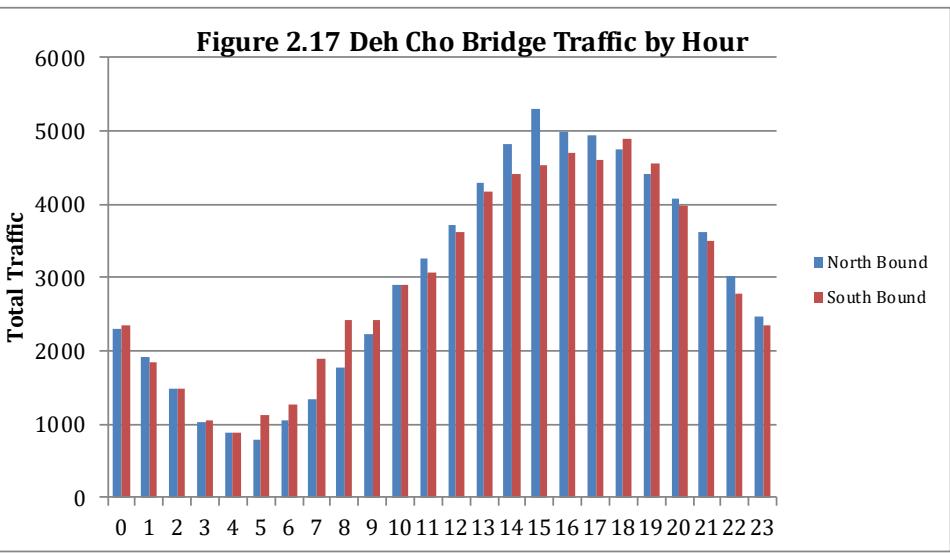
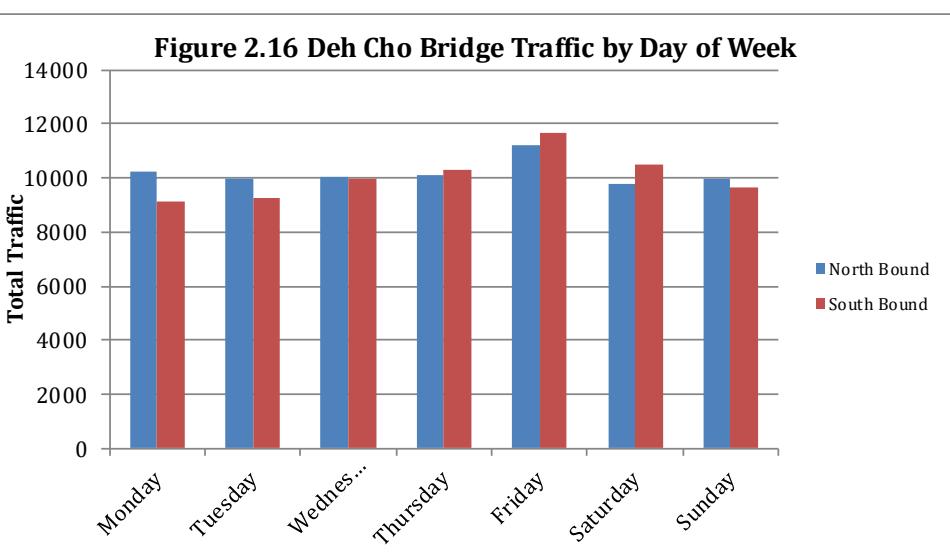
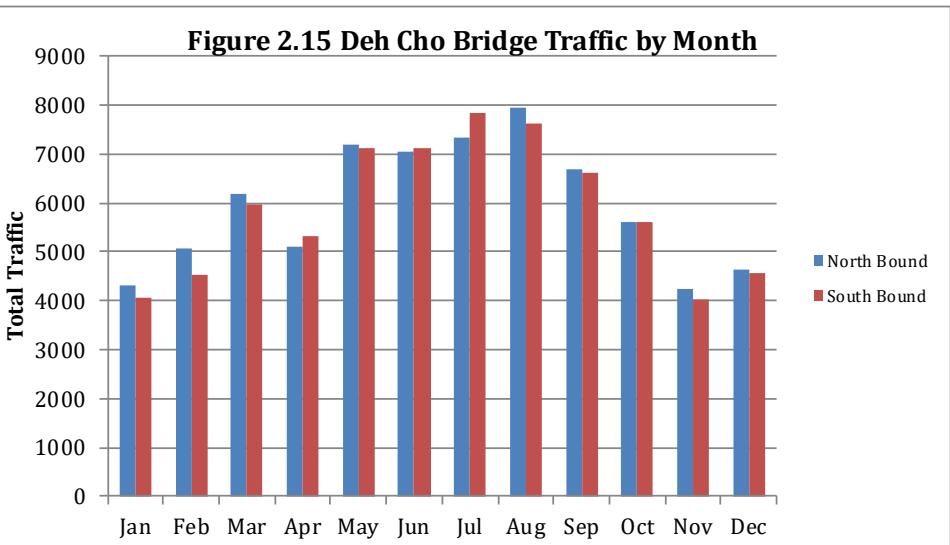


Figure 2.14 Deh Cho Bridge Traffic by Month and Federal Highway Administration (FHWA) Vehicle Class

FHWA Vehicle Class	Monthly Traffic												Total Annual Traffic
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	0	1	1	0	14	8	13	6	8	2	2	0	55
2	647	536	491	506	631	615	624	560	613	551	816	505	7,095
3	2,855	3,069	3,691	4,017	6,234	6,091	6,654	6,445	5,638	5,091	3,695	3,853	57,333
4	8	24	12	12	9	22	19	22	26	14	12	13	193
5	2,416	2,411	3,671	3,970	5,736	5,377	5,268	5,599	4,374	3,400	1,968	2,764	46,954
6	199	213	230	118	102	143	98	199	132	94	139	124	1,791
7	2	6	11	1	1	6	3	4	3	2	0	3	42
8	32	30	26	15	12	16	15	31	15	14	14	22	242
9	487	480	698	505	546	604	557	606	575	533	480	528	6,599
10	327	571	712	351	349	361	486	427	351	351	264	347	4,897
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	1,405	2,247	2,624	921	812	939	1,427	1,663	1,562	1,176	895	1,063	16,734
Total	8,378	9,588	12,167	10,416	14,446	14,182	15,164	15,562	13,297	11,228	8,285	9,222	141,935
ADT	270	342	392	347	466	473	489	502	443	362	276	297	AADT: 389

FHWA Vehicle Classifications												
1. Motorcycles 2 axles, 2 or 3 tires	2. Passenger Cars 2 axles, can have 1- or 2-axle trailers	3. Pickups, Panels, Vans 2 axles, 4-tire single units Can have 1 or 2 axle trailers				4. Buses 2 or 3 axles, full length						
5. Single Unit 2-Axle Trucks 2 axles, 6 tires (dual rear tires), single-unit	6. Single Unit 3-Axle Trucks 3 axles, single unit	7. Single Unit 4 or More-Axle Trucks 4 or more axles, single unit	8. Single Trailer 3- or 4-Axle Trucks 3 or 4 axles, single trailer									
9. Single Trailer 5-Axle Trucks 5 axles, single trailer	10. Single Trailer 6 or More-Axle Trucks 6 or more axles, single trailer											
11. Multi-Trailer 5 or Less-Axle Trucks 5 or less axles, multiple trailers	12. Multi-Trailer 6-Axle Trucks 6 axles, multiple trailers											
13. Multi-Trailer 7 or More-Axle Trucks 7 or more axles, multiple trailers												



3.0: Vehicle Movements at Ferries and Weigh Scales

Figure 3.1 Average Daily Traffic on Highway Ferries

Ferry Crossing	Location	Ferry	Vehicle Type	Year								
				2021	2020	2019	2018	2017	2016	2015	2014	2013
Liard River	Highway 1, near Fort Simpson	M.V. Lafferty	Commercial Vehicles	19	16	15	28	17	17	23	20	21
			Light Vehicles	91	88	90	117	90	97	108	91	91
			Trailers Towed	7	6	9	10	10	9	10	8	9
			Total	118	110	113	156	117	123	140	119	121
Mackenzie River	Highway 8, near Tsigehtchic	M.V. Louis Cardinal	Commercial Vehicles	16	18	24	24	17	19	18	18	10
			Light Vehicles	97	89	108	136	115	108	93	99	95
			Trailers Towed	2	3	17	18	8	6	6	5	4
			Total	115	110	149	178	140	133	117	122	109
Peel River	Highway 8, near Fort McPherson	C.F. Abraham Francis	Commercial Vehicles	14	13	20	22	20	22	24	15	20
			Light Vehicles	64	51	107	84	84	75	81	79	91
			Trailers Towed	2	1	14	9	5	8	8	11	5
			Total	80	65	140	115	109	106	113	105	116
Mackenzie River	Highway 1, near Camsell Bond	M.V. Johnny Berens	Commercial Vehicles	2	2	2	2	2	2	3	2	7
			Light Vehicles	15	16	17	18	20	19	22	19	15
			Trailers Towed	1	1	1	1	2	1	1	2	1
			Total	18	19	20	22	23	23	26	22	23

Figure 3.2
Average Daily Traffic on Highway Ferries

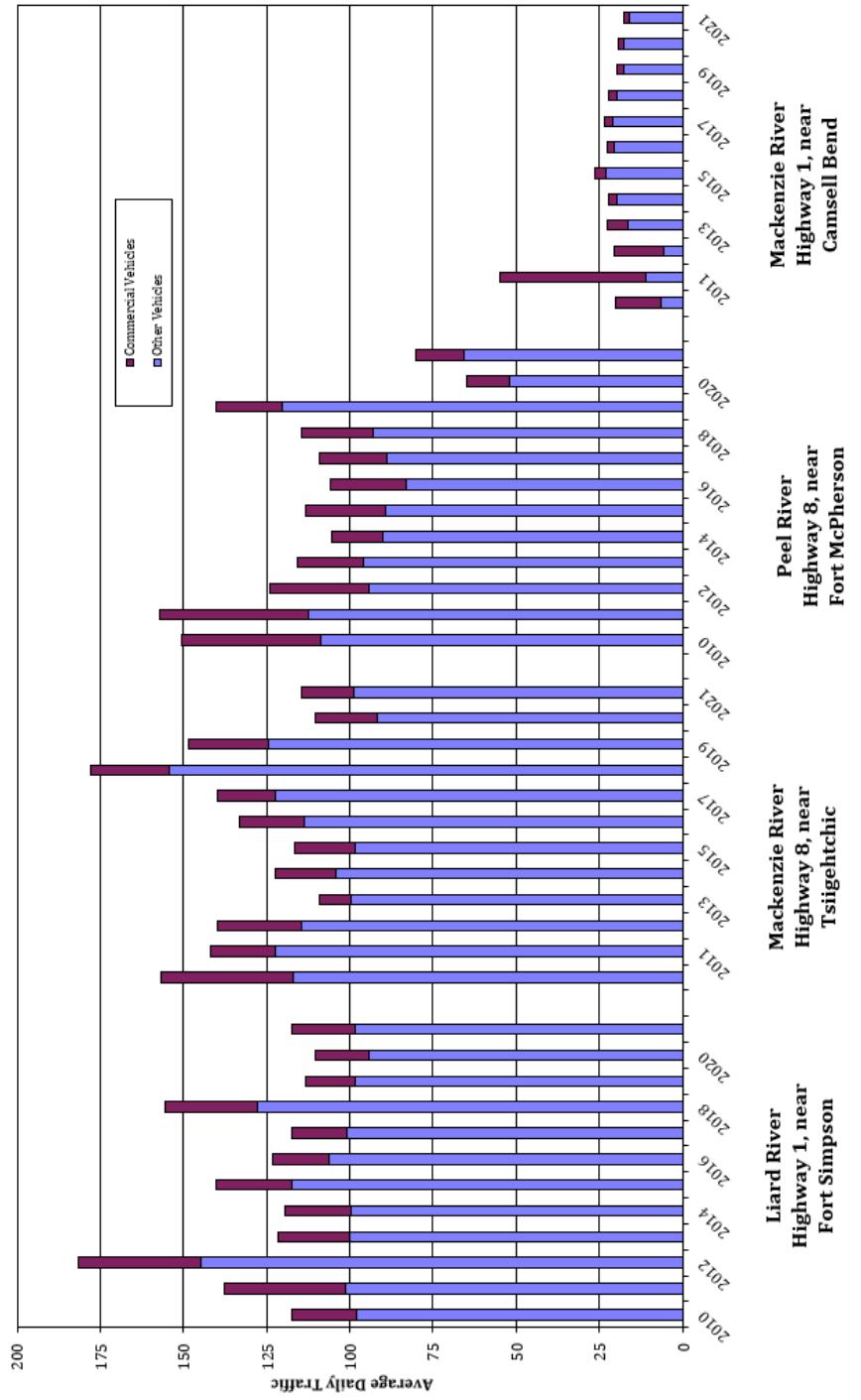


Figure 3.3 Vehicle Classification Data at Liard River Ferry (Highway 1 near Fort Simpson, M.V. Lafferty)

Operating Season	Month	Total Traffic	Average Daily Traffic	Percent of Total				Bus	Other	Total Commercial	Number of Passengers		
				Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi-Trailer						
18-May-21	3-Nov-21	May-21	1,401	100	87.65	5.14	3.07	2.78	0.00	0.07	1.28	7,21	
	Jun-21	3,521	117	80.77	5.51	5.08	6.05	0.03	0.00	2.56	13.72	2,560	
	Jul-21	3,817	123	74.22	6.24	3.96	14.23	0.05	0.21	1.10	19.54	5,902	
	Aug-21	3,867	125	71.55	6.08	3.93	17.69	0.03	0.05	0.67	22.37	6,420	
	Sep-21	3,473	116	78.95	7.14	4.89	8.03	0.12	0.00	0.86	13.91	6,447	
	Oct-21	3,422	110	80.22	5.82	5.20	7.92	0.12	0.00	0.73	13.97	5,946	
	Nov-21	363	121	81.27	4.13	6.06	6.89	0.00	0.00	1.65	14.60	5,341	
	Total	19,864	118	77.80	6.05	4.51	10.34	0.06	0.06	1.19	16.15	545	
	Total	19,102	110	79.75	5.59	4.52	8.40	0.06	0.01	1.66	14.66	33,161	
	Total	26,603	156	75.50	6.63	7.52	8.36	0.29	0.38	1.33	17.87	53,567	
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	
	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	
	Total	19,468	113	79.45	7.57	4.26	6.84	0.07	0.13	1.67	12.98	598	
	Total	26,603	156	75.50	6.63	7.52	8.36	0.29	0.38	1.33	17.87	53,567	
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	
	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	
	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	
11-May-18	29-Oct-18	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	
	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	
	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	
	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	
	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	

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

Operating Season	Month	Total Traffic	Average Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Percent of Total			Total Commercial	Number of Passengers		
							Truck	Semi	Over size				
9-Jun-21	5-Nov-21	Jun-21 Jul-21 Aug-21 Sep-21 Oct-21 Nov-21	2,6668 3,678 3,922 3,177 3,209 415	121 119 127 106 104 83	86.58 83.90 85.42 87.00 80.80 84.82	1.54 1.33 2.19 1.64 1.65 0.96	1.12 4.35 3.82 1.57 2.84 3.13	7.46 7.91 6.71 8.34 12.34 6.27	1.31 0.24 0.08 0.28 0.12 0.00	0.00 0.22 0.00 0.03 0.03 0.00	1.99 2.04 1.78 1.13 2.21 4.82	11.88 14.76 12.39 11.36 17.54 14.22	6,873 9,312 10,178 7,921 7,287 1,009
	Total	17,069	115	84.69	1.67	2.89	8.44	0.35	0.06	1.90	13.64	42,580	
3-Jun-20	29-Oct-20	Jun-20 Jul-20 Aug-20 Sep-20 Oct-20	2,219 3,269 4,138 3,702 2,985	79 105 133 123 103	84.32 80.82 88.13 76.50 75.08	2.25 3.36 1.59 2.73 1.44	2.88 4.50 2.08 6.51 2.78	6.53 7.07 5.85 9.97 14.87	1.22 2.17 1.21 2.59 4.42	0.32 0.34 1.17 0.05 0.03	2.48 1.74 1.97 1.65 1.37	13.43 15.82 10.27 20.77 23.48	2,396 8,797 9,994 9,105 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 Jun-19 Jul-19 Aug-19 Sep-19 Oct-19 Nov-19	256 5,190 5,599 5,330 4,492 2,402 194	64 173 181 172 150 77 97	85.94 70.12 67.12 74.09 76.14 77.52 85.05	0.78 2.43 2.34 1.97 5.30 3.29 9.28	3.52 4.01 3.45 3.56 2.60 11.28 2.06	0.78 4.01 1.13 1.88 1.69 1.46 2.06	0.00 0.64 0.23 1.11 0.11 0.12 0.00	0.00 0.31 0.23 0.34 0.11 1.62 0.00	8.98 8.59 9.47 5.05 2.52 1.62 1.55	13.28 15.97 16.61 12.80 18.57 19.19 16.11	674 12,566 15,594 14,694 10,728 4,877 521
	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	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	5.36	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

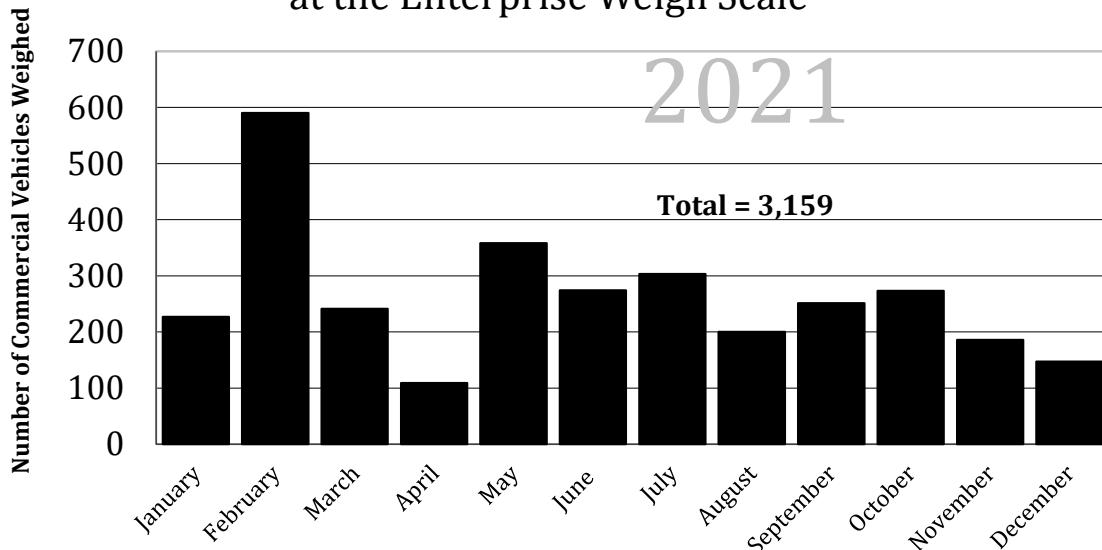
Figure 3.5 Vehicle Classification Data at Peel River Ferry (Highway 8 near Fort McPherson, C.F. Abraham Francis)

Operating Season	Month	Total Traffic	Average Daily Traffic	Light Vehicles	Trailers Towed	Truck Single Unit	Truck Semi-Trailer	Percent of Total			Number of Passengers	
								Over size	Bus	Other		
3-Jun-21	8-Nov-21	Jun-21	1,934	69	6774	6.57	2.53	13.96	0.05	0.16	9.00	25.70
		Jul-21	2,743	88	83.67	1.86	1.02	11.30	0.22	0.00	1.93	14.47
		Aug-21	3,499	113	87.14	2.06	1.03	7.86	0.00	0.11	1.80	10.80
		Sep-21	2,276	76	79.53	1.41	1.85	14.24	0.26	0.00	2.72	19.07
		Oct-21	1,931	62	72.29	2.18	0.98	21.03	0.00	0.05	3.47	25.53
		Nov-21	253	32	81.82	2.77	2.37	9.88	0.00	0.00	3.16	15.42
		Total	12,636	80	79.67	2.62	1.42	12.74	0.10	0.06	3.38	17.71
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
		Jul-20	1,522	49	73.59	2.10	3.09	17.81	0.00	0.07	3.35	24.31
		Aug-20	2,570	83	82.45	1.95	0.62	12.72	0.08	0.08	2.10	15.60
		Sep-20	2,283	76	76.13	3.20	0.48	18.79	0.00	0.09	1.31	20.67
		Oct-20	1,596	51	69.30	1.63	1.13	25.69	0.00	0.00	2.26	4,386
		Nov-20	81	41	86.42	4.94	3.70	0.00	0.00	0.00	4.94	2,761
		Total	9,888	65	77.74	2.26	1.62	15.86	0.22	0.08	2.22	20.00
2-Jun-19	18-Oct-19	Jun-19	3,916	135	69.99	1.129	0.41	7.58	0.10	0.26	10.37	18.72
		Jul-19	5,568	180	73.80	1.187	0.31	5.23	0.13	0.43	8.24	14.33
		Aug-19	6,562	212	82.06	0.96	0.85	4.51	0.09	0.18	3.34	12,702
		Sep-19	2,441	81	77.18	7.33	0.74	12.66	0.00	0.04	2.05	15.49
		Oct-19	867	48	68.17	2.31	1.38	23.41	0.00	0.12	4.61	29.53
		Total	19,354	140	76.00	9.77	0.61	7.21	0.09	0.25	6.07	14.23
2-Jun-18	7-Nov-18	Total	18,112	115	73.40	7.77	1.64	9.24	0.15	0.29	7.51	18.82
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
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
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
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
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
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
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
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
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
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
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

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	Bus	Other	Total Commercial	Number of Passengers
30-May-21	6-Nov-21	May-21	33	17	90.91	3.03	6.06	0.00	0.00	0.00	0.00	0.00	6.06	72
		Jun-21	574	19	83.97	5.75	6.79	0.52	0.00	0.00	2.96	10.28	1,164	
		Jul-21	530	17	84.34	7.92	2.83	1.51	0.00	0.00	3.40	7.74	1,212	
		Aug-21	602	19	81.40	6.31	2.99	6.98	0.00	0.00	1.66	12.29	1,211	
		Sep-21	505	17	85.35	5.15	2.38	4.55	0.00	0.00	2.57	9.50	1,125	
		Oct-21	483	16	89.23	4.76	1.86	2.90	0.00	0.00	1.24	6.00	1,016	
		Nov-21	97	16	90.72	0.00	7.22	2.06	0.00	0.00	0.00	9.28	226	
		Total	2,824	18	84.95	5.77	3.61	3.26	0.00	0.14	2.27	9.28	6,026	
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	
		Total	3,488	22	83.08	6.16	5.85	3.50	0.06	0.00	1.35	10.75	7,304	
25-May-18	29-Oct-18	Total	3,803	23	83.12	6.42	3.76	4.65	0.11	0.00	1.95	10.47	7,817	
27-May-17	5-Nov-17	Total	3,811	23	84.33	4.93	3.46	3.18	0.39	0.05	3.65	10.73	7,893	
18-May-16	1-Nov-16	Total	4,489	26	83.25	5.21	4.52	4.43	0.07	0.00	2.52	11.54	8,412	
17-May-15	4-Nov-15	Total	3,704	22	83.96	5.32	3.27	3.83	0.73	0.11	2.78	10.72	6,836	
22-May-14	5-Nov-14	Total	3,837	23	64.37	6.96	15.98	7.27	3.65	0.52	1.25	28.67	6,400	
24-May-13	8-Nov-13	Total	3,252	21	20.11	6.95	54.77	8.27	6.15	0.00	3.75	72.94	7,165	
24-May-12	28-Oct-12	Total	9,100	55	16.62	3.49	46.32	7.85	24.20	0.03	1.49	79.89	13,674	
20-May-11	2-Nov-11	Total	3,397	20	25.26	6.45	57.93	3.83	3.50	0.09	2.94	68.30	7,300	
14-May-10	31-Oct-10	Total	3,177	19	23.92	5.35	59.87	2.99	3.43	0.03	4.41	70.73	6,614	
22-May-09	2-Nov-09	Total	3,129	21	43.67	4.74	40.49	4.58	2.24	0.04	4.25	51.60	6,367	
3-Jun-08	31-Oct-08	Total												

Figure 3.7
Commercial Vehicles Weighed
at the Enterprise Weigh Scale

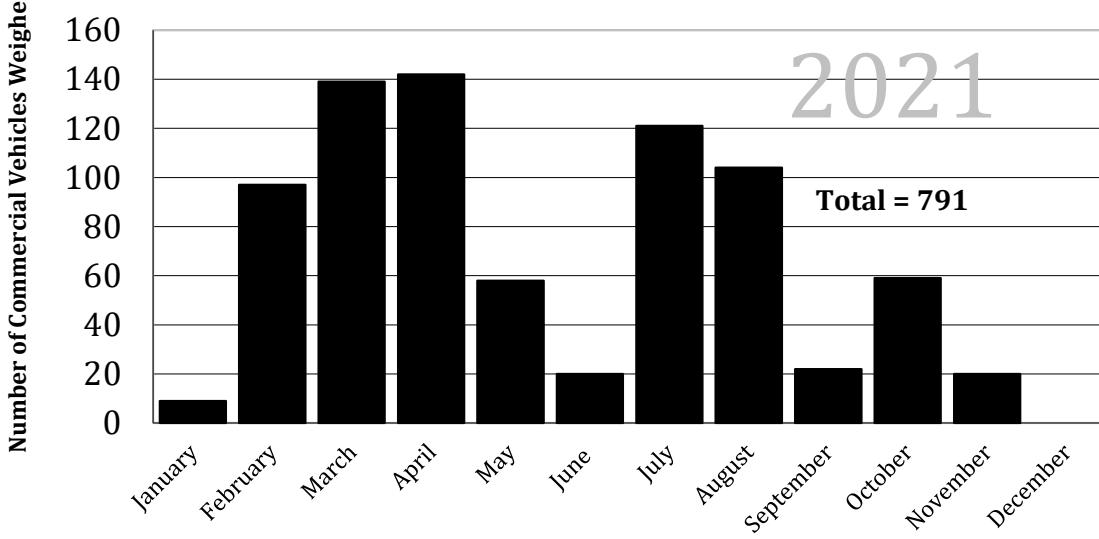


Total Vehicles Weighed

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2021	227	590	241	109	358	274	303	200	251	273	186	147	3,159
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

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
2021	9	97	139	142	58	20	121	104	22	59	20	0	791
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

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

Figure 3.9
Overweight Permits Issued

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	30	68	108	48	27	41	50	28	25	43	49	27	544
Total	30	68	108	48	27	41	50	28	25	43	49	27	544
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
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
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
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
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

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

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	1	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	2	0	0	1	0	0	0	0	0	3
On-Line	118	142	277	70	78	125	132	93	81	72	71	57	1,316
Total	118	142	277	72	78	125	133	93	81	72	71	58	1,320
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
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
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	0	0	0	0	0	0	0	0
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
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
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

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)

Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	0	1	0	0	0	0	1	1	3
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	2	2	5	5	1	2	0	0	0	0	17
On-Line	470	752	575	147	264	417	394	423	366	353	252	256	4,669
Total	470	752	577	149	269	423	395	425	366	353	253	257	4,689
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
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
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
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
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

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

Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Enterprise Weigh Scale	0	0	0	0	2	0	0	0	0	0	1	1	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	0	1	1	8	1	2	2	0	0	0	0	0	15
On-Line	746	1,181	1,137	521	385	614	600	663	646	651	421	441	8,006
Total	746	1,182	1,138	529	388	616	602	663	646	651	422	442	8,025
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
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
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
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	1	2	118	15	13	1	5	27	4	8	3	197
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	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
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

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

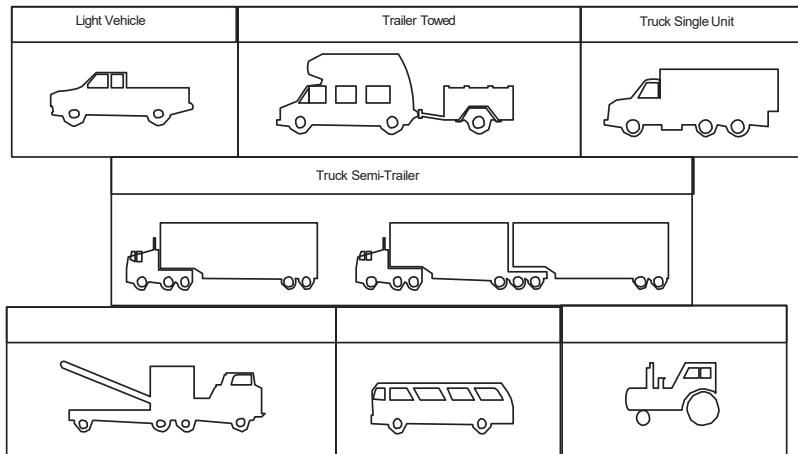
Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month Total	% of Total	
Pickup >4500 kg	12	15	1	6	5	11	7	4	12	11	3	6	93	2.94	
Straight Truck	23	44	26	13	42	47	30	15	35	36	22	11	344	10.89	
Tractor Semi Trailer	93	204	86	46	163	124	152	95	142	134	98	61	1,398	44.25	
A Train	5	7	6	2	9	1	13	3	5	10	2	3	66	2.09	
B Train	8	28	3	1	2	4	4	2	4	0	2	1	59	1.87	
C Train	1	0	1	0	0	0	0	0	0	0	0	0	2	0.06	
Extended Length Tra	80	279	112	39	134	87	95	81	52	82	59	64	1,164	36.85	
Pole Truck	5	10	2	1	0	0	0	0	0	0	0	1	19	0.60	
Special Configuration	0	3	4	1	3	0	2	0	1	0	0	0	14	0.44	
Bus	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
Total	227	590	241	109	358	274	303	200	251	273	186	147	3,159	100.00	
Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month Total	% of Total	
Pickup >4500 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 Tra	161	138	85	0	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	0	3	1	0	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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month 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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month 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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month 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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month 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	

Figure 3.14 Vehicle Classification at the Inuvik Weigh Scale

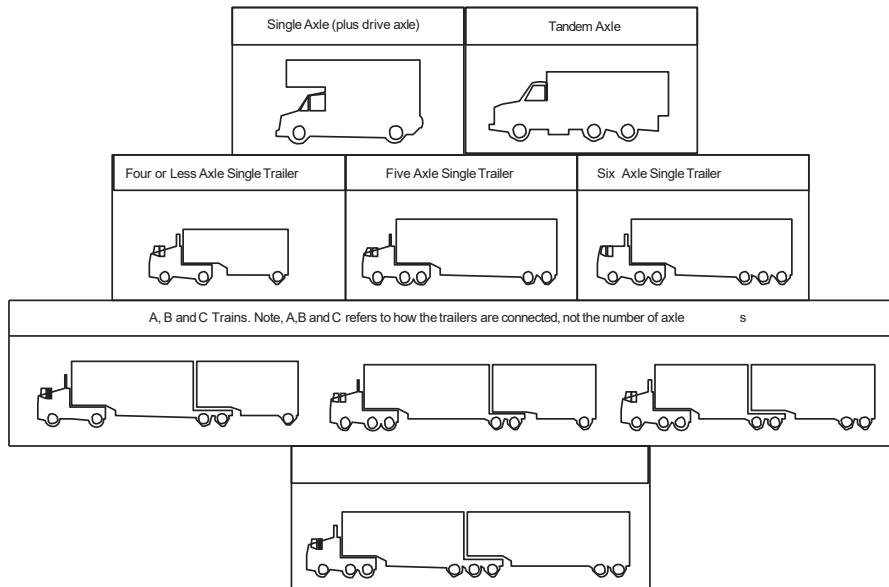
Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month Total	% of Total
Pickup >4500 kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Straight Truck	3	37	66	62	48	8	74	40	10	13	0	0	361	45.64
Tractor Semi Trailer	6	57	61	78	10	12	45	58	10	46	20	0	403	50.95
A Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
B Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
C Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Extended Length Tra	0	3	12	2	0	0	2	6	2	0	0	0	27	3.41
Pole Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Special Configuration	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Bus	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	9	97	139	142	58	20	121	104	22	59	20	0	791	100.00
Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month Total	% of Total
2-3 Axle	42	38	25	0	0	46	51	53	49	12	12	15	343	25.50
5 Axle	35	67	23	0	0	51	61	49	39	18	19	21	383	28.48
6 Axle	48	42	36	0	0	24	35	45	33	37	9	15	324	24.09
7 Axle	12	33	31	0	0	9	7	20	16	0	0	0	128	9.52
8 Axle	39	29	37	0	0	7	11	25	19	0	0	0	167	12.42
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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month Total	% of Total
2-3 Axle	35	42	36	25	16	88	72	101	81	24	26	32	578	30.41
5 Axle	58	52	42	39	14	65	79	96	35	22	7	16	525	27.62
6 Axle	32	39	38	51	18	39	42	56	54	25	11	18	423	22.25
7 Axle	9	29	24	32	0	11	9	25	26	4	0	0	169	8.89
8 Axle	24	26	29	32	0	11	17	28	35	4	0	0	206	10.84
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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month Total	% of Total
2-3 Axle	42	51	47	35	17	91	90	98	67	35	18	21	612	29.91
5 Axle	62	49	35	43	11	93	76	82	46	34	8	16	555	27.13
6 Axle	37	46	49	52	16	54	49	62	52	31	9	11	468	22.87
7 Axle	11	19	23	28	0	9	12	31	35	6	0	0	174	8.50
8 Axle	38	31	27	34	0	16	18	29	38	6	0	0	237	11.58
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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month Total	% of Total
2-3 Axle	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5 Axle	35	57	62	42	20	80	52	47	56	33	21	22	527	30.11
6 Axle	57	45	45	39	15	45	49	32	20	29	10	14	400	22.86
7 Axle	40	32	31	40	24	57	45	47	67	16	21	16	436	24.91
8 Axle	15	21	25	16	0	11	15	22	19	8	0	0	152	8.69
Other	22	35	30	31	0	23	20	30	34	10	0	0	235	13.43
Total	169	190	193	168	59	216	181	178	196	96	52	52	1,750	100.00
Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	12 Month Total	% of Total
5 Axle	68	59	67	63	24	48	59	63	48	39	26	24	588	40.00
6 Axle	38	49	62	75	31	48	69	58	52	32	39	17	570	38.78
7 Axle	9	7	11	12	0	7	9	21	16	17	12	9	130	8.84
8 Axle	15	21	18	27	0	6	11	24	29	12	10	9	182	12.38
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total	130	136	158	177	55	109	148	166	145	100	87	59	1,470	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.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.

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

Where:

VOL = daily traffic on kth day of the year;

N = number of days in a year (365 or 366);

VOL_{ijm} = daily volume for ith occurrence of the jth day of week within the mth month;

i = occurrence of day j in month m for which traffic data are available; and

j = day of week (1 to 7).

Step Three

- Calculated AADT numbers are compared against previous years' values, other sources of traffic information such as ferry logs and Tibbitt to Contwoyo 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 nitawihtīn ē nīhīyawihk ōma ācimōwin, tipwāsinān.

Cree

Tłı̨chö yati k'èè. Dı wegodi newq dè, gots'o gonede.

Tłı̨chö

?erihit'is Dëne Sųłiné yati t'a huts'elkér xa beyáyatı theɂą ɻat'e, nuwe ts'ën yólti.

Chipewyan

Edı gondı dehgáh got'je zhatié k'éé edat'eh enahddhé nide naxets'é edahłí.

South Slavey

K'áhshó got'jne xədə k'é hederi ɻedjħtl'é yeriniwé nídé dúle.

North Slavey

Jii gwandak izhii ginjìk vat'atr'ijahch'uu zhit yinohthan jì', diits'at ginohkhìi.

Gwich'in

Uvanittuaq ilitchurisukupku Inuvialuktun, ququaqluta.

Inuvialuktun

Ċ'අ ດ ໂ ບ ອ ຢ ບ ດ ຣ ປ ພ ຂ ຄ ພ ດ ພ ຜ ປ ຖ.

Inuktitut

Hapkua titiqqat pijumagupkit Inuinnaqtun, uvaptinnut hivajarlutit.

Inuinnaqtun

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