

2000 NWT Traffic Collision Facts

Department of Transportation
Road Licensing and Safety Division
September 2001

Northwest Territories
Traffic Collision Facts, 2000



Northwest
Territories

Transportation

Acknowledgements

This report was prepared by the Road Licensing and Safety Division of the Department of Transportation, Government of the Northwest Territories, in cooperation with the Transportation Planning Division.

If you have any comments or questions related to the content of this report, please contact the Road Licensing and Safety Division at telephone (867) 920-3395, or by facsimile at (867) 873-0120.

2000 QUICK FACTS REPORT

2000 Compared to 1999

	<u>1999</u>	<u>2000</u>	<u>% Change</u>
PROPERTY DAMAGE ONLY COLLISIONS	531	547	3.0
PERSONAL INJURY COLLISIONS	153	128	-16.3
FATAL COLLISIONS	5	3	-40.0
TOTAL REPORTED COLLISIONS	689	678	-1.6
NUMBER OF PERSONS KILLED	7	5	-28.6
NUMBER OF PERSONS INJURED	276	182	-34.1
NWT HIGHWAY SYSTEM COLLISIONS	161	126	-21.7
RURAL COLLISIONS	11	20	81.8
COLLISIONS IN COMMUNITIES	517	532	2.9
REGISTERED VEHICLES	25,426	23,371	-8.1
LICENSED DRIVERS	21,699	22,626	4.3
NWT POPULATION [1]	41,600	42,100	1.2
COLLISIONS PER 100 LICENSED DRIVERS	3.18	3.00	-5.6
COLLISIONS PER 100 REGISTERED VEHICLES	2.71	2.90	7.1
COLLISIONS PER 100 POPULATION	1.66	1.61	-2.8
COLLISIONS INVOLVING ALCOHOL	53	60	13.2

[1] 1999 and 2000 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 2001.

Introduction

The Traffic Collision Information System (TCIS) is a computer-based system that compiles information on traffic collisions occurring throughout the Northwest Territories. This information is obtained from the motor vehicle collision (MVA) report form that is completed by Royal Canadian Mounted Police detachments in accordance with Section 262 of the Motor Vehicles Act.

TCIS provides valuable information for many traffic collision countermeasure programs. TCIS, the MVA report form, and various collision publications are administered by the GNWT Department of Transportation, Road Licensing and Safety Division. The collection of this valuable data is made possible by the efforts and dedication of the many Royal Canadian Mounted Police officers across the Northwest Territories who complete MVA forms from their collision investigations.

TCIS Definitions

REPORTABLE MOTOR VEHICLE COLLISION - an incident involving one or more motor vehicles resulting in death, personal injury or a minimum of \$1,000 in property damage. TCIS only records reportable motor vehicle collisions which occur on or adjacent to roadways intended for use by the general public. The following is a list of words and terms used in reportable collisions:

INCIDENT - Any set of events not under human control which includes at least one occurrence of injury or damage. It originates when human control is lost and terminates when control is regained, or in the absence of persons who are able to regain control when all persons and property are at rest.

Excluded are events which are known to be the result of deliberate intent, legal intervention or natural disasters. As an example, if a vehicle catches fire due to mechanical failure and the driver is able to stop the car, this is not a traffic collision because control of the vehicle was never lost.

VEHICLE - is any vehicle designed to travel on land that is drawn, propelled or driven by any kind of power, including muscular power, but does not include a device designed to run exclusively on rails.

MOTOR VEHICLE - is a vehicle propelled or driven by power other than by wind, gravity or muscular power and includes a trailer, but does not include:

- (a) an aircraft or a marine vehicle,
- (b) a device that runs or is designed to run exclusively on rails,
- (c) a mechanically propelled wheelchair or mobility device.

PEDESTRIAN - is a person on foot, in a wheelchair or mobility device and includes a child in a carriage or carried by a person on foot, persons on ice skates, skis, roller blades, skate boards and persons pushing or pulling vehicles. A pedestrian does NOT include persons jumping or falling from a vehicle in motion.

DAMAGE - harm to property that reduces the monetary value of that property. It includes harm to animals that have monetary value. It excludes mechanical failure incurred by normal operation such as a tire blow out or broken fan belt.

ROADWAY - any highway, secondary road, rural road, street, avenue, parkway, lane, alley or bridge designed and intended for or used by the general public for the passage of vehicles and pedestrians. This includes sidewalks, boulevards and the immediate right-of-way adjacent to and parallel with the roadway. It also includes winter/ice roads, trails, privately maintained roads, driveways and parking lots on which the general public may travel.

PROPERTY DAMAGE ONLY COLLISION (Property Damage) - a motor vehicle collision resulting in total damages over the prescribed amount as defined in the Motor Vehicles Act (\$1,000) with no personal injuries or deaths.

TRAFFIC INJURY COLLISION (Personal Injury) - a motor vehicle collision resulting in a non-fatal injury to one or more persons. An injury is defined as any bodily harm resulting from the collision.

TRAFFIC FATALITY COLLISION (Fatal) - a motor vehicle collision resulting in death within 30 days to one or more involved persons. Death must be the result of injuries incurred from the collision. This excludes death from natural causes such as heart attacks.

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Historical Trends

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Historical Trends

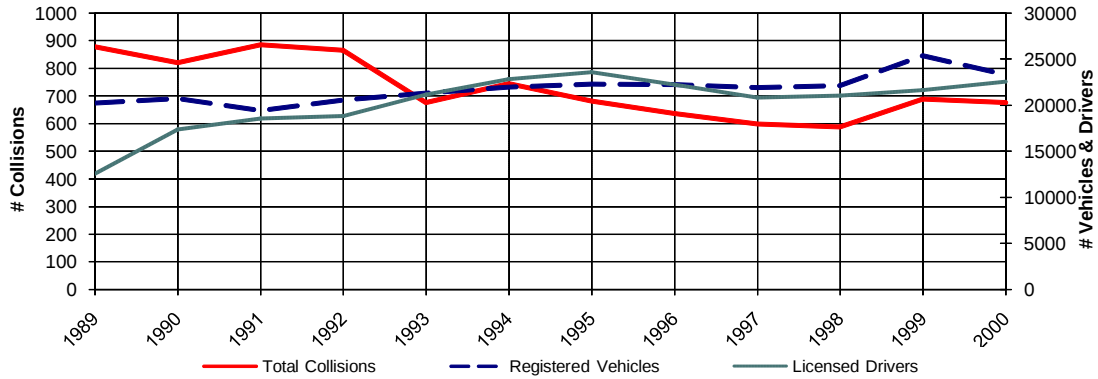
This section illustrates the 12-year history of collisions, victims and licensed drivers and vehicles.

Reporting definitions have remained the same since the inception of TCIS in 1989. Trends in injuries, property damage collisions and total collisions have shown a steady decline since the early 1990's. This decline has taken place in spite of the increased population and number of licensed drivers and registered vehicles.

Because of the small number of fatal collisions in the Northwest Territories, trends are difficult to identify and subject to year-to-year fluctuations. The five traffic fatalities reported in 2000 is close to the 12-year average.

Trends in Licensed Drivers, Registered Vehicles and Collisions

Figure 1.1

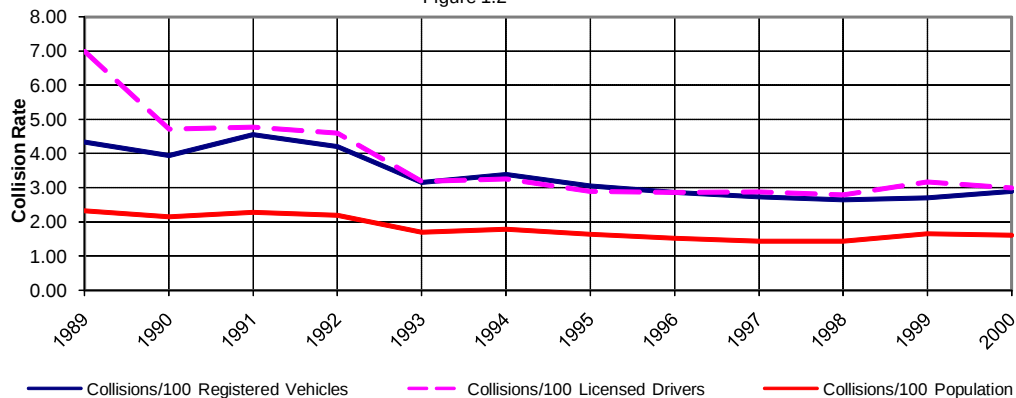


3 Year Summary

	1998	1999	2000	% Change
Registered Vehicles	22,201	25,426	23,371	-8.1
Licensed Drivers	21,112	21,699	22,626	4.3
Total Collisions	589	689	678	-1.6

Trends in Collision Rates by Vehicles, Drivers and Population

Figure 1.2

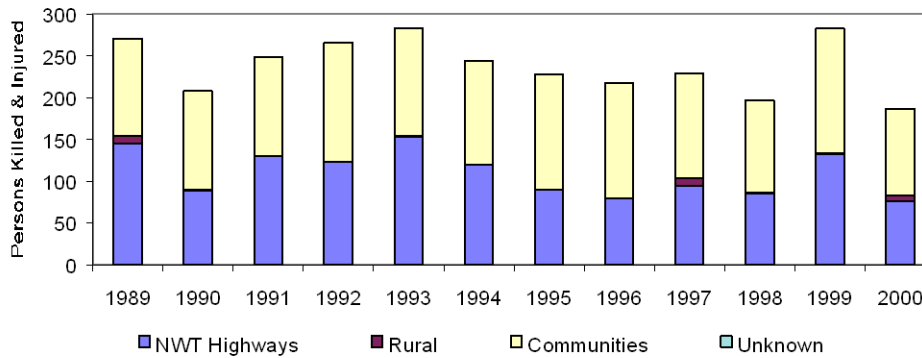


3 Year Summary

	1998	1999	2000	% Change
Collisions/100 Registered Vehicles	2.65	2.71	2.90	7.1
Collisions/100 Licensed Drivers	2.79	3.18	3.00	-5.6
Collisions/100 Population	1.43	1.66	1.61	-2.8

Trends in Injuries & Fatalities

Figure 1.3

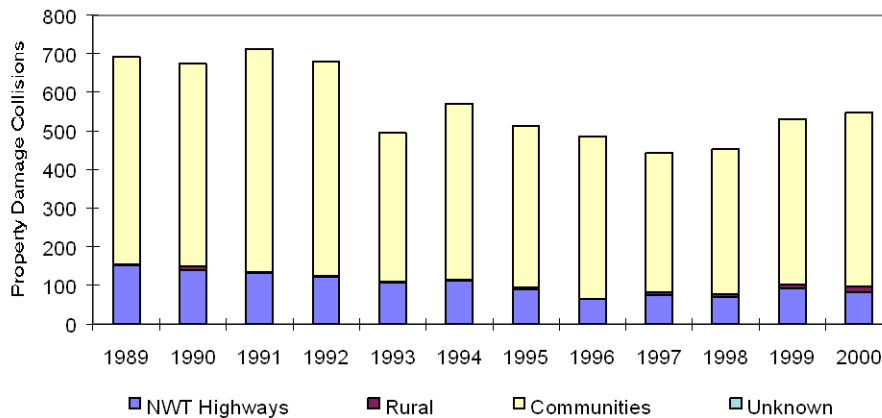


3 Year Summary

	Persons Injured					Persons Killed			
	1998	1999	2000	Average		1998	1999	2000	Average
NWT Highways	83	127	74	95	2	5	2	3	3
Rural	2	2	7	4	0	0	0	0	0
Communities	111	147	101	120	0	2	3	2	2
Total	196	276	182	218	2	7	5	5	5

Trends in Property Damage Collisions

Figure 1.4

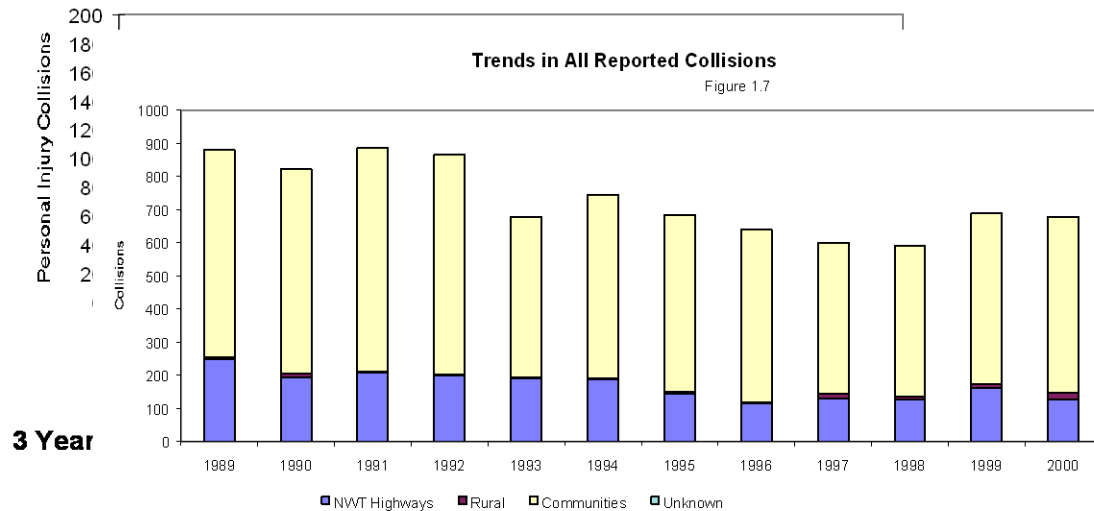


3 Year Summary

	Property Damage Collisions			
	1998	1999	2000	Average
NWT Highways	70	92	82	81
Rural	7	10	15	11
Communities	375	429	450	418
Total	452	531	547	510

Trends in Personal Injury Collisions

Figure 1.5

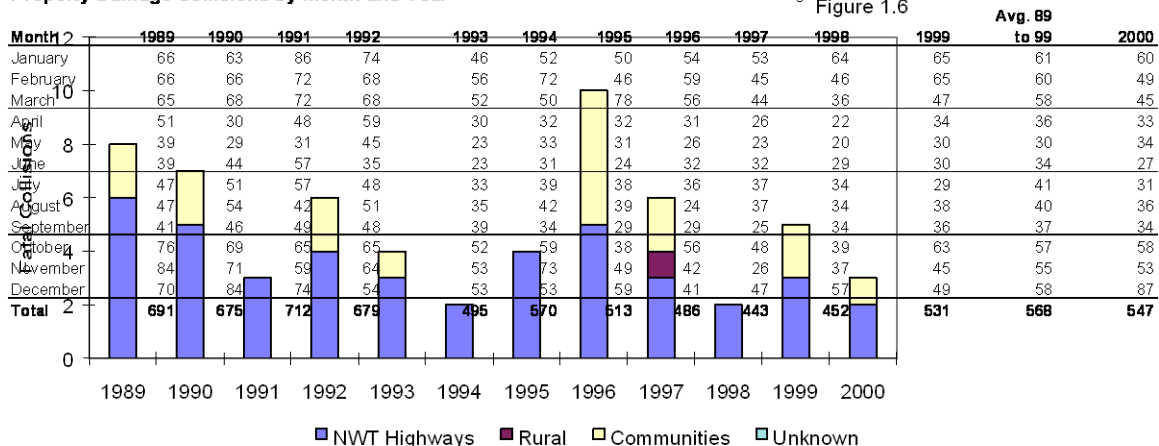


NWT Highways				55	66	42	54
Rural				1	1	5	2
Communities					86	81	82
Total					153	128	139
	1998	1999	2000	% Change			
NWT Highways	127	161	126	-21.7			
Rural	8	11	20	84.8			
Communities	454	517	532	2.9			
Total	589	689	678	-1.6			

Trends in Fatal Collisions

Property Damage Collisions by Month and Year

Figure 1.8
Figure 1.6



3 Year Summary

	Fatal Collisions			
	1998	1999	2000	Average
NWT Highways	2	3	2	2
Rural	0	0	0	0
Communities	0	2	1	1
Total	2	5	3	3

Personal Injury Collisions by Month and Year

Figure 1.9

Month	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Avg. 89 to 99	2000
January	13	8	15	19	16	11	16	15	13	10	15	14	17
February	17	8	13	12	16	7	14	15	19	10	13	13	14
March	14	15	17	12	16	9	20	10	16	11	11	14	9
April	3	6	5	9	13	6	12	7	19	7	9	9	4
May	11	5	16	12	13	9	11	7	11	4	6	10	9
June	12	20	24	18	17	18	15	10	6	20	12	16	9
July	26	20	23	15	24	18	15	16	8	11	22	18	11
August	17	14	16	18	9	23	18	11	16	14	12	15	7
September	16	8	13	19	12	14	11	14	10	11	11	13	9
October	18	15	14	16	16	20	10	15	14	17	20	16	12
November	19	7	5	13	14	19	12	9	10	8	10	11	10
December	14	13	10	18	12	19	11	13	9	12	12	13	17
Total	180	139	171	181	178	173	165	142	151	135	153	161	128

Fatal Collisions by Month and Year

Figure 1.10

Month	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Avg. 89 to 99	2000
January	0	1	0	0	0	0	0	0	0	0	0	0.1	1
February	0	0	0	0	0	0	0	0	0	0	0	0.0	0
March	0	0	0	0	1	0	0	2	2	0	0	0.5	0
April	1	1	0	1	1	0	1	1	0	0	1	0.6	0
May	1	0	0	0	0	1	0	1	1	0	0	0.4	0
June	3	0	2	3	0	0	0	1	1	0	0	0.9	0
July	1	2	0	0	1	0	1	1	1	0	1	0.7	0
August	0	0	1	0	0	0	0	3	1	0	1	0.5	1
September	0	0	0	0	0	0	1	0	0	1	1	0.3	0
October	0	2	0	1	0	1	0	1	0	1	0	0.5	1
November	1	0	0	1	1	0	1	0	0	0	0	0.4	0
December	1	1	0	0	0	0	0	0	0	0	1	0.3	0
Total	8	7	3	6	4	2	4	10	6	2	5	5.2	3

Total Collisions by Month and Year

Figure 1.11

Month	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Avg. 89 to 99	2000
January	79	72	101	93	62	63	66	69	66	74	80	75	78
February	83	74	85	80	72	79	60	74	64	56	78	73	63
March	79	83	89	80	69	59	98	68	62	47	58	72	54
April	55	37	53	69	44	38	45	39	45	29	44	45	37
May	51	34	47	57	36	43	42	34	35	24	36	40	43
June	54	64	83	56	40	49	39	43	39	49	42	51	36
July	74	73	80	63	58	57	54	53	46	45	52	60	42
August	64	68	59	69	44	65	57	38	54	48	51	56	44
September	57	54	62	67	51	48	41	43	35	46	48	50	43
October	94	86	79	82	68	80	48	72	62	57	83	74	71
November	104	78	64	78	68	92	62	51	36	45	55	67	63
December	85	98	84	72	65	72	70	54	56	69	62	72	104
Total	879	821	886	866	677	745	682	638	600	589	689	734	678

Time of Occurrence

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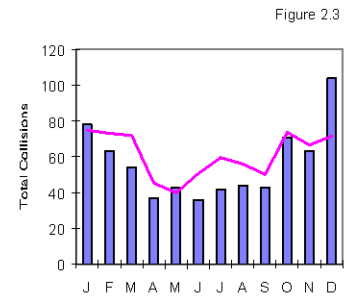
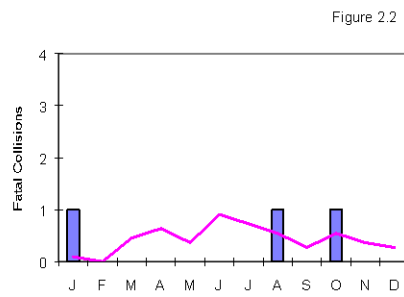
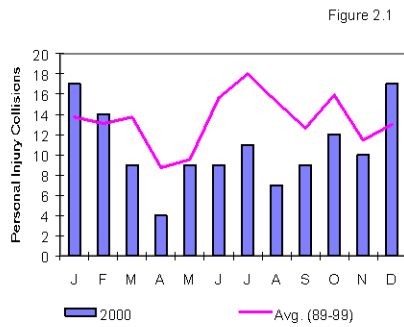
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Time of Occurrence

Figure 2.3 shows the highest number of collisions occurred during the winter months, November to March. Conversely Figure 2.1 shows more injury-producing collisions during the summer months.

Collisions are most likely to take place during the late afternoon and early evening. More collisions take place on Fridays and Saturdays than on Sunday and weekdays.

Collisions by Month of Occurrence



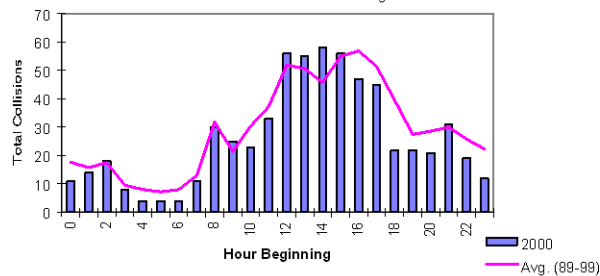
Collisions & Victims by Month of Occurrence

Figure 2.4

Month	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	60	17	1	78	21	1
February	49	14	0	63	19	0
March	45	9	0	54	14	0
April	33	4	0	37	4	0
May	34	9	0	43	15	0
June	27	9	0	36	9	0
July	31	11	0	42	18	0
August	36	7	1	44	16	1
September	34	9	0	43	11	0
October	58	12	1	71	17	3
November	53	10	0	63	12	0
December	87	17	0	104	26	0
Total	547	128	3	678	182	5

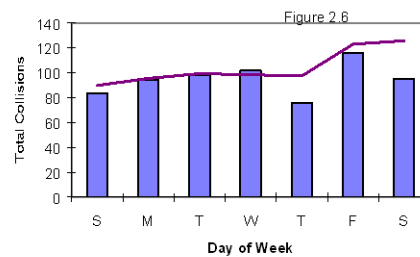
Total Collisions by Time of Day

Figure 2.5



Total Collisions by Day of Week

Figure 2.6



Time of Occurrence – Section 2

Collisions by Time of Day & Day of Week*

Figure 2.7

Collision Hour	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total	%
12 to 1 a.m.	3	1	2	2	0	2	1	11	1.7
1 to 2 a.m.	2	3	2	1	0	1	5	14	2.1
2 to 3 a.m.	7	0	2	2	3	4	0	18	2.7
3 to 4 a.m.	1	2	0	0	0	2	3	8	1.2
4 to 5 a.m.	3	0	0	0	0	0	1	4	0.6
5 to 6 a.m.	3	0	0	1	0	0	0	4	0.6
6 to 7 a.m.	1	0	0	0	1	2	0	4	0.6
7 to 8 a.m.	3	0	2	3	1	1	1	11	1.7
8 to 9 a.m.	1	10	5	6	5	2	1	30	4.5
9 to 10 a.m.	1	3	2	6	3	6	4	25	3.8
10 to 11 a.m.	3	1	1	6	6	3	3	23	3.5
11 to 12 a.m.	4	7	4	5	2	7	4	33	5.0
12 to 1 p.m.	6	7	13	10	4	9	6	55	8.3
1 to 2 p.m.	5	10	6	5	8	8	13	55	8.3
2 to 3 p.m.	7	10	7	8	5	8	13	58	8.7
3 to 4 p.m.	2	10	12	9	3	13	7	56	8.4
4 to 5 p.m.	7	7	6	6	6	9	6	47	7.1
5 to 6 p.m.	6	7	8	7	4	7	6	45	6.8
6 to 7 p.m.	1	2	4	5	3	5	2	22	3.3
7 to 8 p.m.	2	5	5	1	3	2	4	22	3.3
8 to 9 p.m.	2	1	2	3	3	6	4	21	3.2
9 to 10 p.m.	3	3	6	3	5	8	3	31	4.7
10 to 11 p.m.	2	3	2	5	3	4	0	19	2.9
11 to 12 p.m.	2	0	1	5	0	1	3	12	1.8
Not Stated	6	2	6	3	8	6	5	36	5.4
Total	83	94	98	102	76	116	95	664	
%	12.5	14.2	14.8	15.4	11.4	17.5	14.3	100.0	

* Excludes collisions in which Day of Week was unknown.

MAJOR CONTRIBUTING FACTORS

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Major Contributing Factors

Contributing factors are those circumstances or factors that the reporting police officer perceives to have directly contributed to the collision or its severity. Factors can be selected from four categories: human condition, human action, vehicle condition or driving environment.

Police officers are encouraged to use their skilled judgement in reporting the likely factors, even if the collision scene was not attended.

Figure 3.6 shows that human condition is nearly twice as prevalent in injury and fatal collisions (18%) than in all collisions (10%). Human factors account for 68% of all factors in collisions, as compared to vehicular (1%) and environmental (5%).

Figure 3.12 points out the difference between collisions occurring in communities and on the NWT Highway system. Environmental factors are seven times as prevalent on NWT Highways (14%) than in communities (2%).

Major Contributing Factors – Section 3

Collisions by Severity Where Human Condition Was a Major Contributing Factor

Figure 3.1

Human Condition	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Fatigued, Fell Asleep	1	1	0	2	0.3
Inexperience	5	1	0	6	0.9
Under Influence - Alcohol	37	19	1	57	8.4
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	2	0	2	0.3
Other Driver Condition	0	0	0	0	0.0
Total	43	23	1	67	9.9

Collisions by Severity Where Human Action Was a Major Contributing Factor

Figure 3.2

Human Action	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Following Too Closely	16	7	0	23	3.4
Distracted, Inattentive	30	14	1	45	6.6
Driving Too Fast for Conditions	58	19	0	77	11.4
Improper Turning or Passing	14	2	0	16	2.4
Failed to Yield Right-of-Way	43	13	0	56	8.3
Disobeyed Traffic Control/Officer	5	5	0	10	1.5
Driving on Wrong Side of Road	3	0	0	3	0.4
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	108	3	0	111	16.4
Lost Control	78	26	1	105	15.5
Other Driver Action	10	4	0	14	2.1
Total	365	93	2	460	67.8

Collisions by Severity Where Vehicle Condition Was a Major Contributing Factor

Figure 3.3

Vehicle Condition	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Defective Brakes	2	0	0	2	0.3
Defective Steering	0	0	0	0	0.0
Defective Lights	0	0	0	0	0.0
Tire Blown Out	0	0	0	0	0.0
Unsecured Load, Spilled Load	0	0	0	0	0.0
Oversized Load, Overload	1	0	0	1	0.1
Visibility Obstructed	0	1	0	1	0.1
Other Vehicle Contributing Factor	5	0	0	5	0.7
Total	8	1	0	9	1.3

Major Contributing Factors – Section 3

Collisions by Severity Where Environmental Condition Was a Major Contributing Factor

Figure 3.4

Environmental Condition	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Animal on Roadway	8	2	0	10	1.5
Road Surface or Condition	12	4	0	16	2.4
Obstruction/Debris on Road	3	1	0	4	0.6
View Obstructed, Glare, Reflection	2	0	0	2	0.3
Weather or Other Acts of God	1	0	0	1	0.1
Other Environmental Factor	0	0	0	0	0.0
Total	26	7	0	33	4.9

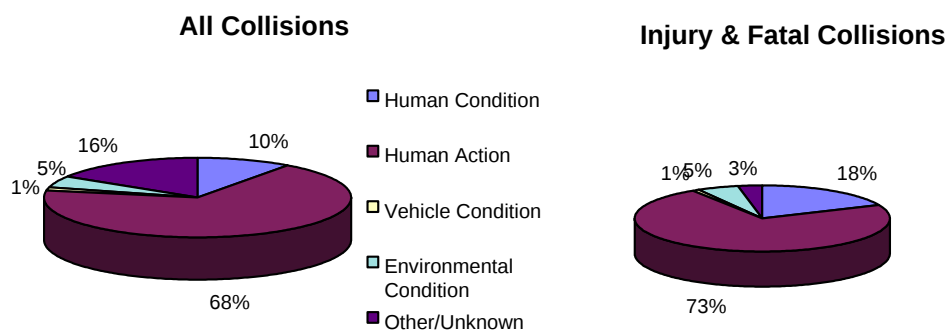
Collisions by Severity Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.5

Factor	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Unspecified	0	0	0	0	0.0
Unknown	105	4	0	109	16.1
Total	105	4	0	109	16.1
Total All Factors	547	128	3	678	100.0

Major Contributing Factors by Collision Severity

Figure 3.6



TAIS recognizes that a collision is usually the result of a chain of events. The collision data system accepts up to four contributing factors for each vehicle involved in a collision. During the analysis of collisions, knowledge of the factors is important. By removing any one of the factors, the collision may be avoided.

An example: Because of inattention, a driver may have failed to see a stop sign behind some trees and thereby reduced his/her stopping time. The car's brakes, being in poor condition, caused the car to spin out of control on ice and collide with another vehicle that was speeding through the intersection. The collision may not have occurred if any of these factors were not present.

Major Contributing Factors – Section 3

Collisions by Road System Where Human Condition Was a Major Contributing Factor

Figure 3.7

Human Condition	NWT			% of Total	
	Highways	In Communities	Rural	Total	Factors
Fatigued, Fell Asleep	1	1	0	2	0.3
Inexperience	1	4	1	6	0.9
Under Influence - Alcohol	9	47	1	57	8.4
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	1	1	0	2	0.3
Other Driver Condition	0	0	0	0	0.0
Total	12	53	2	67	9.9

Collisions by Road System Where Human Action Was a Major Contributing Factor

Figure 3.8

Human Action	NWT			% of Total	
	Highways	In Communities	Rural	Total	Factors
Following Too Closely	1	22	0	23	3.4
Distracted, Inattentive	7	37	1	45	6.6
Driving Too Fast for Conditions	17	59	1	77	11.4
Improper Turning or Passing	3	13	0	16	2.4
Failed to Yield Right-of-Way	3	53	0	56	8.3
Disobeyed Traffic Control/Officer	0	10	0	10	1.5
Driving on Wrong Side of Road	1	2	0	3	0.4
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	1	106	4	111	16.4
Lost Control	57	43	5	105	15.5
Other Driver Action	0	14	0	14	2.1
Total	90	359	11	460	67.8

Collisions by Road System Where Vehicle Condition Was a Major Contributing Factor

Figure 3.9

Vehicle Condition	NWT			% of Total	
	Highways	In Communities	Rural	Total	Factors
Defective Brakes	0	2	0	2	0.3
Defective Steering	0	0	0	0	0.0
Defective Lights	0	0	0	0	0.0
Tire Blown Out	0	0	0	0	0.0
Unsecured Load, Spilled Load	0	0	0	0	0.0
Oversized Load, Overload	1	0	0	1	0.1
Visibility Obstructed	0	1	0	1	0.1
Other Vehicle Contributing Factor	3	2	0	5	0.7
Total	4	5	0	9	1.3

Major Contributing Factors – Section 3

Collisions by Road System Where Environmental Condition Was a Major Contributing Factor

Figure 3.10

Environmental Condition	NWT			% of Total	
	Highways	In Communities	Rural	Total	Factors
Animal on Roadway	10	0	0	10	1.5
Road Surface or Condition	3	10	3	16	2.4
Obstruction/Debris on Road	3	0	1	4	0.6
View Obstructed, Glare, Reflection	2	0	0	2	0.3
Weather or Other Acts of God	0	1	0	1	0.1
Other Environmental Factor	0	0	0	0	0.0
Total	18	11	4	33	4.9

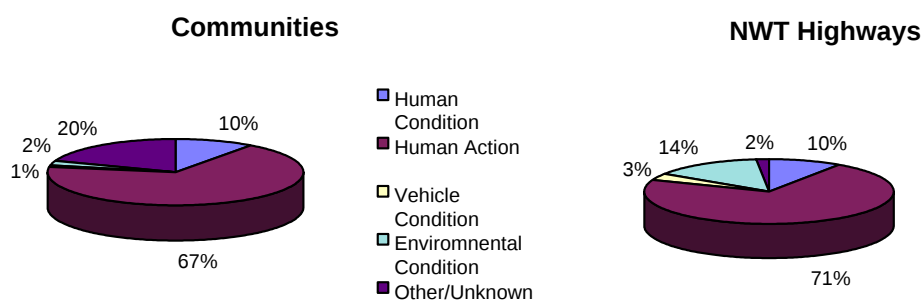
Collisions by Road System Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.11

Factor	NWT			% of Total	
	Highways	In Communities	Rural	Total	Factors
Unspecified	0	0	0	0	0.0
Unknown	2	104	3	109	16.1
Total	2	104	3	109	16.1
Total All Factors	126	532	20	678	100

Major Contributing Factors in Collisions - Communities and NWT Highways

Figure 3.12



Environmental Factors

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Environmental Factors

The driving environment consists of road, light and weather conditions, as well as events leading up to and during a collision. It is important to understand all of these factors to properly design effective countermeasures for reducing collisions.

This section of the report provides a breakdown of collisions for each of the different driving environments by severity and road system.

Figures 4.1 to 4.5 show that most collisions occur under near ideal conditions, such as clear weather, daylight and on a road surface that is free of defects. Figure 4.9 shows that intersection related collisions are far more frequent in communities than in rural areas or on the NWT Highway system.

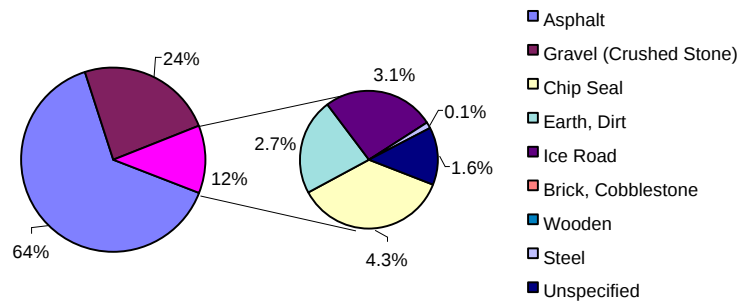
Figures 4.6 and 4.7 provide a breakdown on the types of collisions that occur for both single and multiple vehicle configurations.

Figures 4.12 and 4.13 describe some of the events that occur in collisions, such as hitting a fixed or moveable object, overturning and jack-knifing.

Collisions by Road Surface Type and Severity

Figure 4.1

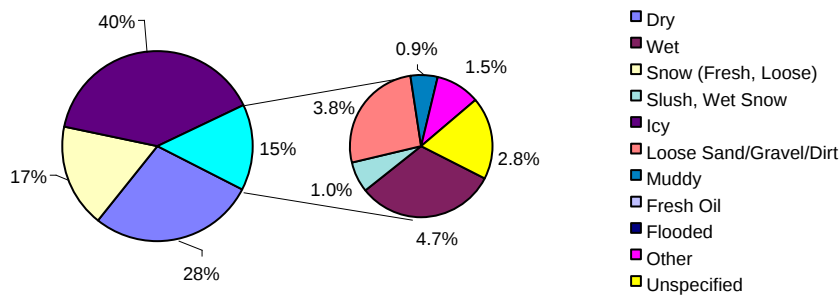
Road Surface Type	Property Damage	Personal Injury	Fatal	Total	%
Asphalt	355	78	0	433	63.9
Concrete	4	0	0	4	0.6
Gravel (Crushed Stone)	127	32	2	161	23.7
Earth, Dirt	17	1	0	18	2.7
Chip Seal	18	11	0	29	4.3
Brick, Cobblestone	0	0	0	0	0.0
Wooden	0	0	0	0	0.0
Steel	1	0	0	1	0.1
Ice Road	14	6	1	21	3.1
Unspecified	11	0	0	11	1.6
Total	547	128	3	678	100.0



Collisions by Road Surface Environmental Condition and Severity

Figure 4.2

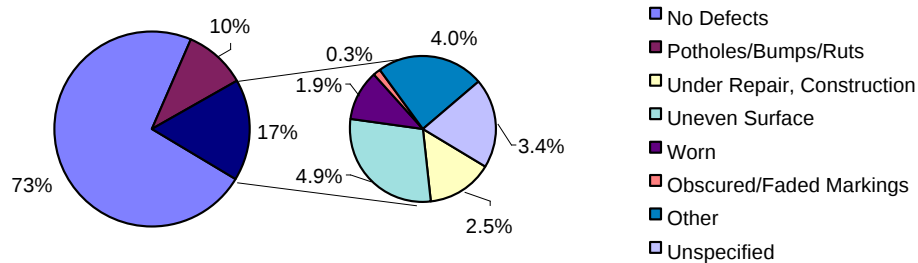
Surface Condition	Property Damage	Personal Injury	Fatal	Total	%
Dry	159	33	1	193	28.5
Wet	22	10	0	32	4.7
Snow (Fresh, Loose)	91	25	2	118	17.4
Slush, Wet Snow	6	1	0	7	1.0
Icy	215	52	0	267	39.4
Loose Sand/Gravel/Dirt	23	3	0	26	3.8
Muddy	5	1	0	6	0.9
Fresh Oil	0	0	0	0	0.0
Flooded	0	0	0	0	0.0
Other	7	3	0	10	1.5
Unspecified	19	0	0	19	2.8
Total	547	128	3	678	100



Collisions by Road Defect and Severity

Figure 4.3

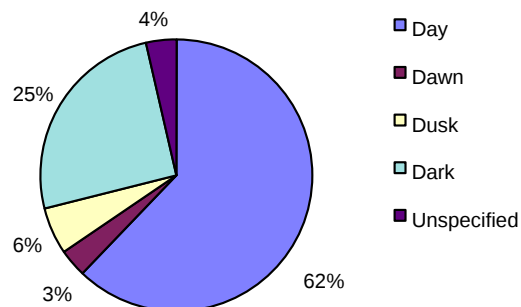
Road Defect	Property Damage	Personal Injury	Fatal	Total	%
No Defects	405	87	2	494	72.9
Potholes/Bumps/Ruts	52	17	0	69	10.2
Under Repair, Construction	12	4	1	17	2.5
Uneven Pavement Surface	22	11	0	33	4.9
Worn	9	4	0	13	1.9
Obscured or Faded Markings	2	0	0	2	0.3
Other	24	3	0	27	4.0
Unspecified	21	2	0	23	3.4
Total	547	128	3	678	100.0



Collisions by Light Condition and Severity

Figure 4.4

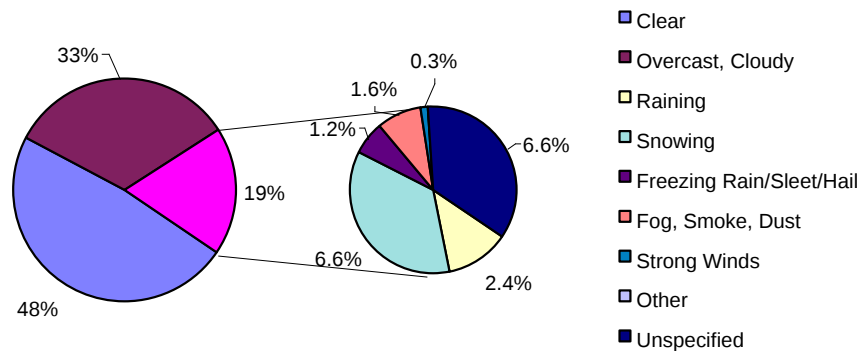
Light Condition	Property Damage	Personal Injury	Fatal	Total	%
Day	343	77	1	421	62.1
Dawn	18	5	0	23	3.4
Dusk	27	11	0	38	5.6
Dark	136	34	2	172	25.4
Unspecified	23	1	0	24	3.5
Total	547	128	3	678	100.0



Collisions by Weather Condition and Severity

Figure 4.5

Weather Condition	Property Damage	Personal Injury	Fatal	Total	%
Clear (Sunny)	260	64	3	327	48.2
Overcast, Cloudy (No Precipitation)	188	36	0	224	33.0
Raining	10	6	0	16	2.4
Snowing	35	10	0	45	6.6
Freezing Rain/Sleet/Hail	6	2	0	8	1.2
Visibility Limitations (fog, dust, etc.)	6	5	0	11	1.6
Strong Winds	0	2	0	2	0.3
Other	0	0	0	0	0.0
Unspecified	42	3	0	45	6.6
Total	547	128	3	678	100.0

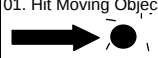
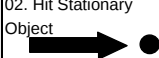
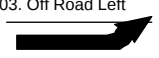
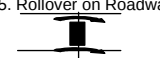
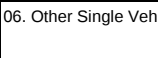
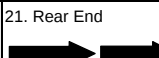
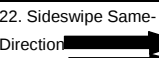
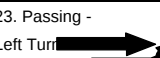
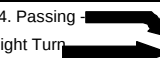
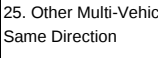
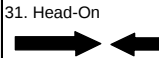
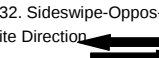
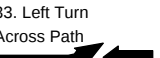
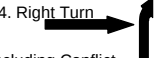
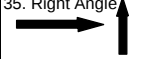
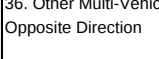
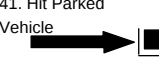
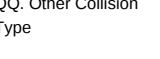
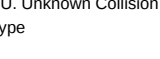


Collisions by Configuration and Severity

Figure 4.6

Configuration*	Property Damage	Personal Injury	Fatal	Total	% of Total
01. Hit Moving Object					
a) With Animal	10	3	0	13	1.9
b) With Pedestrian	1	11	0	12	1.8
c) Other	0	0	0	0	0.0
02. Hit Stationary Object	45	3	0	48	7.1
03. Off Road Left					
a) With Rollover	6	9	0	15	2.2
b) No Rollover	16	2	0	18	2.7
04. Off Road Right					
a) With Rollover	22	13	1	36	5.3
b) No Rollover	7	10	0	17	2.5
05. Rollover on Roadway	5	7	0	12	1.8
06. Other Single Vehicle	6	0	0	6	0.9
21. Rear End	64	32	1	97	14.3
22. Sideswipe - Same Direction	9	1	0	10	1.5
23. Passing - Left Turn	2	1	0	3	0.4
24. Passing - Right Turn	0	0	0	0	0.0
25. Other Multi-Vehicle Same Direction	1	0	0	1	0.1
31. Head-On	10	5	1	16	2.4
32. Sideswipe - Opposite Direction	17	0	0	17	2.5
33. Left Turn Across Path	9	5	0	14	2.1
34. Right Turn Including Conflict	0	3	0	3	0.4
35. Right Angle	82	17	0	99	14.6
36. Other Multi-Vehicle Opposite Direction	17	1	0	18	2.7
41. Hit Parked Vehicle	218	5	0	223	32.9
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	547	128	3	678	100.0

***Collision Configurations**

01. Hit Moving Object 	02. Hit Stationary Object 	03. Off Road Left 	04. Off Road Right 	05. Rollover on Roadway 
06. Other Single Vehicle 	21. Rear End 	22. Sideswipe Same-Direction 	23. Passing - Left Turn 	24. Passing - Right Turn 
25. Other Multi-Vehicle Same Direction 	31. Head-On 	32. Sideswipe-Opposite Direction 	33. Left Turn Across Path 	34. Right Turn Including Conflict 
35. Right Angle 	36. Other Multi-Vehicle Opposite Direction 	41. Hit Parked Vehicle 	QQ. Other Collision Type 	UU. Unknown Collision Type 

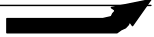
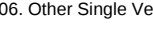
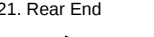
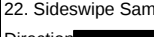
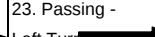
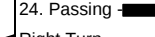
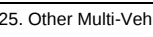
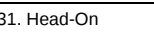
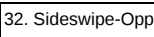
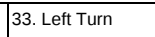
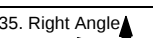
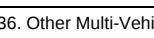
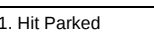
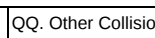
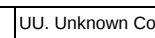
Environmental Factors – Section 4

Collisions by Configuration and Road System

Figure 4.7

Configuration*	NWT Highways	In Communities	Rural	Total	% of Total
01. Hit Moving Object					
a) With Animal	12	1	0	13	1.9
b) With Pedestrian	0	12	0	12	1.8
c) Other	0	0	0	0	0.0
02. Hit Stationary Object	8	35	5	48	7.1
03. Off Road Left					
a) With Rollover	15	0	0	15	2.2
b) No Rollover	13	5	0	18	2.7
04. Off Road Right					
a) With Rollover	32	3	1	36	5.3
b) No Rollover	13	2	2	17	2.5
05. Rollover on Roadway	8	3	1	12	1.8
06. Other Single Vehicle	3	3	0	6	0.9
21. Rear End	7	90	0	97	14.3
22. Sideswipe - Same Direction	0	10	0	10	1.5
23. Passing - Left Turn	3	0	0	3	0.4
24. Passing - Right Turn	0	0	0	0	0.0
25. Other Multi-Vehicle Same Direction	0	1	0	1	0.1
31. Head-On	1	13	2	16	2.4
32. Sideswipe - Opposite Direction	4	12	1	17	2.5
33. Left Turn Across Path	1	13	0	14	2.1
34. Right Turn Including Conflict	0	3	0	3	0.4
35. Right Angle	3	95	1	99	14.6
36. Other Multi-Vehicle Opposite Direction	2	16	0	18	2.7
41. Hit Parked Vehicle	1	215	7	223	32.9
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	126	532	20	678	100.0

*Collision Configurations

01. Hit Moving Object 	02. Hit Stationary Object 	03. Off Road Left 	04. Off Road Right 	05. Rollover on Roadway 
06. Other Single Vehicle 	21. Rear End 	22. Sideswipe Same-Direction 	23. Passing - Left Turn 	24. Passing - Right Turn 
25. Other Multi-Vehicle Same Direction 	31. Head-On 	32. Sideswipe-Opposite Direction 	33. Left Turn Across Path 	34. Right Turn Including Conflict 
35. Right Angle 	36. Other Multi-Vehicle Opposite Direction 	41. Hit Parked Vehicle 	QQ. Other Collision Type 	UU. Unknown Collision Type 

Collisions by Collision Site and Severity

Figure 4.8

Collision Site	Property Damage	Personal Injury	Fatal	Total	%
Non-Intersection	247	63	3	313	46.2
Intersection - Two Public Roadways	108	42	0	150	22.1
Intersection - Parking Lot, Driveway	119	19	0	138	20.4
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	4	0	0	4	0.6
Tunnel, Underpass	0	1	0	1	0.1
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	0	0	0	0	0.0
Other	60	2	0	62	9.1
Unknown	9	1	0	10	1.5
Total	547	128	3	678	100.0

Collisions by Collision Site and Road System

Figure 4.9

Collision Site	NWT Highways	In Communities	Rural	Total	%
Non-Intersection	106	195	12	313	46.2
Intersection - Two Public Roadways	13	136	1	150	22.1
Intersection - Parking Lot, Driveway	4	131	3	138	20.4
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	3	0	1	4	0.6
Tunnel, Underpass	0	1	0	1	0.1
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	0	0	0	0	0.0
Other	0	59	3	62	9.1
Unknown	0	10	0	10	1.5
Total	126	532	20	678	100.0

Collisions by Roadway Alignment and Severity

Figure 4.10

Road Alignment	Property Damage	Personal Injury	Fatal	Total	%
Straight & Level	392	85	2	479	70.6
Straight with Grade	68	10	0	78	11.5
Curved and Level	39	19	0	58	8.6
Curve with Grade	26	7	1	34	5.0
Top of Hill or Grade	6	0	0	6	0.9
Bottom of Hill or Grade	3	3	0	6	0.9
Other	3	1	0	4	0.6
Unknown	10	3	0	13	1.9
Total	547	128	3	678	100.0

Collisions by Roadway Type and Severity

Figure 4.11

Road Type	Property Damage	Personal Injury	Fatal	Total	%
One-Way, Two Lane	7	1	0	8	1.2
One-Way, Multi Lane	0	0	0	0	0.0
Undivided, Two-Way, Two Lane	303	96	3	402	59.3
Undivided, Two-Way, Multi Lane	40	19	0	59	8.7
Divided, Barrier Median	0	0	0	0	0.0
Divided with Median, No Barrier	18	9	0	27	4.0
Divided, Divider Unspecified	0	0	0	0	0.0
Other	170	3	0	173	25.5
Unknown	9	0	0	9	1.3
Total	547	128	3	678	100.0

Collision Sequence of Events by Severity

Figure 4.12

Non-Moving Objects	Property Damage	Personal Injury	Fatal	Total	%
Hit Parked Trailer	1	0	0	1	0.1
Hit Non-Fixed Object	1	0	0	1	0.1
Hit Building	5	0	0	5	0.7
Hit Ditch	0	0	0	0	0.0
Hit Embankment, Dirt Pile, Rock	3	1	0	4	0.6
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree, Bush, Hedge	1	0	0	1	0.1
Hit Utility Pole, Lamp Pole	2	0	0	2	0.3
Hit Curb	0	0	0	0	0.0
Hit Post	5	0	0	5	0.7
Hit Traffic Barrier	1	0	0	1	0.1
Hit Fixed Object Part of Road Structure	2	0	0	2	0.3
Hit Fixed Object NOT Part of Road Structure	2	1	0	3	0.4
Hit Other Type Fixed Object	2	0	0	2	0.3
Sub Total Fixed Objects	25	2	0	27	4.0
Moveable Objects					
Another Road Vehicle	429	70	2	501	73.9
Animal	10	3	0	13	1.9
Pedestrian	1	11	0	12	1.8
Other Moveable Object	0	0	0	0	0.0
Sub Total Moveable Objects	440	84	2	526	77.6
Non-Collision Events					
Ran Off Road	23	12	0	35	5.2
Rollover	33	29	1	63	9.3
Jack Knife or Trailer Swing	1	0	0	1	0.1
Fire or Explosion	2	0	0	2	0.3
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	3	0	0	3	0.4
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	62	41	1	104	15.3
Other/Unknown Event	20	1	0	21	3.1
Grand Total	547	128	3	678	100.0

Collision Sequence of Events by Road System

Figure 4.13

	NWT Highways	In Communities	Rural	Total	%
Non-Moving Objects					
Hit Parked Trailer	0	1	0	1	0.1
Hit Non-Fixed Object	1	0	0	1	0.1
Hit Building	0	5	0	5	0.7
Hit Ditch	0	0	0	0	0.0
Hit Embankment, Dirt Pile, Rock	2	0	2	4	0.6
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree, Bush, Hedge	0	1	0	1	0.1
Hit Utility Pole, Lamp Pole	0	2	0	2	0.3
Hit Curb	0	0	0	0	0.0
Hit Post	0	5	0	5	0.7
Hit Traffic Barrier	0	1	0	1	0.1
Hit Fixed Object Part of Road Structure	0	2	0	2	0.3
Hit Fixed Object NOT Part of Road Structure	0	2	1	3	0.4
Hit Other Type Fixed Object	0	2	0	2	0.3
Sub Total Fixed Objects	3	21	3	27	4.0
Moveable Objects					
Another Road Vehicle	22	468	11	501	73.9
Animal	12	1	0	13	1.9
Pedestrian	0	12	0	12	1.8
Other Moveable Object	0	0	0	0	0.0
Sub Total Moveable Objects	34	481	11	526	77.6
Non-Collision Events					
Ran Off Road	26	7	2	35	5.2
Rollover	55	6	2	63	9.3
Jack Knife or Trailer Swing	1	0	0	1	0.1
Fire or Explosion	1	1	0	2	0.3
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	1	2	0	3	0.4
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	84	16	4	104	15.3
Unknown Event	5	14	2	21	3.1
Grand Total	126	532	20	678	100.0

Driver Factors

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Driver Factors

This section describes the characteristics of drivers involved in collisions. In 2000, 992 drivers were involved in 678 collisions. This is an average of 1.46 drivers per collision. Details on driver age, gender, condition, action and class of license is presented.

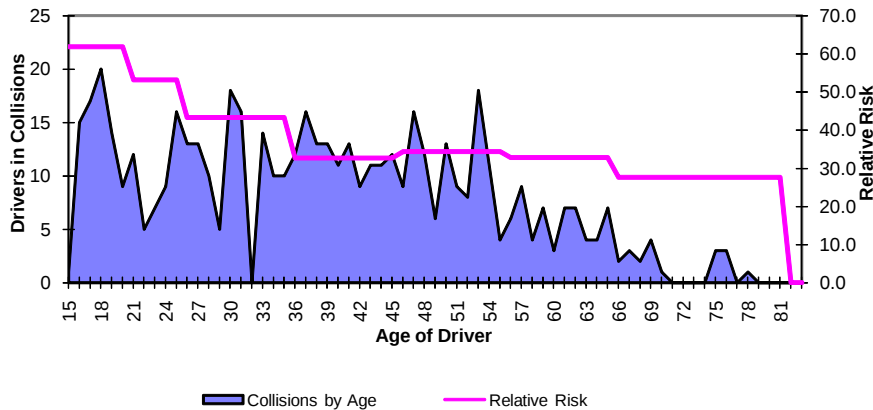
Of particular interest and concern is the over-representation of young drivers in collisions. Drivers aged 15 to 20 years are 1.5 times as likely to be involved in a collision than drivers aged 35 to 44 years. Crash statistics involving young or inexperienced drivers is useful for developing graduated licensing programs.

Licensed Drivers and Drivers in Collisions by Driver Age

Figure 5.1

	Under 16	16 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 and Over	Not Stated	Total
Licensed Drivers	94	1,103	2,090	5,721	6,624	4,632	1,711	651	0	22,626
Drivers in Collisions	12	62	111	248	216	159	56	18	110	992

Drivers in Collisions and Relative Risk by Driver Age



Collision Rates (Collisions Per 1,000 Licensed Drivers) by Severity and Driver Age

Figure 5.2

	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 and Over	Average Rate
Property Damage	46.8	37.8	32.2	26.4	28.1	24.5	24.6	35.0
Personal Injury & Fatal	15.0	15.3	11.2	6.2	6.3	8.2	3.1	8.8
Total	61.8	53.1	43.3	32.6	34.3	32.7	27.6	43.8
Relative Risk*	1.4	1.2	1.0	0.7	0.8	0.7	0.6	1.0

* Relative Risk = (% of drivers in collisions in age group)/(% of total licence holders in age group)

The age of drivers involved in traffic collisions can form the basis of various analysis and countermeasure programs. The reason for this interest is the over-involvement of young drivers in collisions and the disproportionately large number of charges laid as a result of collisions.

Figure 5.1 shows that the relative risk of drivers between the ages of 15 and 19 are 1.4 times more likely to be involved in a collision than the average driving population. On average, 6% of 15 to 19 year olds were involved in collisions, compared to 3% of 35 to 44 year olds.

Other factors such as exposure, risk, experience, alcohol, and vehicle type must be known to fully understand the relationship of driver age and collision involvement. Studies indicate that the risk of having a collision is a factor of driving experience, not just driver age.

Figure 5.3

*Relative Risk = (% of Total Collisions In Class)/(% of Total Licence Holders In Class)

Figure 5.4

100.0

Figure 5.5

Driver Action	< 16 16 17 18 19 20 21-24 25-34 35-44 45-54 55-64 65+											Not Stated		Total	%
	12	16	17	18	19	20	21-24	25-34	35-44	45-54	55-64	65+	Not Stated	Total	%
Driving Properly	0	4	3	5	5	4	17	95	83	67	20	6	0	309	31.1
Following Too Closely	0	0	0	0	1	1	3	8	7	4	1	1	0	26	2.6
Distracted, Inattentive	1	0	0	2	0	5	7	17	12	6	2	3	1	56	5.6
Driving Too Fast	0	2	2	3	3	7	12	31	24	17	6	0	2	109	11.0
Improper Turning or Passing	0	0	0	3	0	0	5	5	2	1	2	0	0	18	1.8
Failing to Yield Right of Way	4	1	3	0	2	1	6	11	13	12	3	3	0	59	5.9
Disobeying Traffic Control/Officer	2	0	0	0	0	0	2	5	2	4	0	0	0	15	1.5
Driving on Wrong Side of Road	0	0	1	0	0	0	0	0	1	2	0	0	0	4	0.4
Driving in Wrong Direction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Backing Unsafely	2	0	4	3	1	4	10	27	31	22	8	3	6	121	12.2
Lost Control	3	3	0	4	3	2	19	31	27	17	11	1	3	124	12.5
Other Driver Action	0	1	0	0	1	0	3	8	4	1	1	1	0	20	2.0
Unknown	0	1	0	1	0	0	3	10	10	6	2	0	98	131	13.2
Total	12	12	13	21	16	24	87	248	216	159	56	18	110	992	
%	1.2	1.2	1.3	2.1	1.6	2.4	8.8	25.0	21.8	16.0	5.6	1.8	11.1	100.0	

Vehicle Factors

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Vehicle Factors

There were a total of 1,197 vehicles involved in 678 collisions in 2000. This is an average of 1.77 vehicles per collision. This section provides details on the different vehicle types involved in collisions.

While TCIS gives a fairly accurate account of the different types of vehicles involved in collisions, it is difficult to compare the relative involvement rate. For example, a highway transport truck, on average, travels 10 times more distance in a year than a passenger car. It is, therefore, necessary to determine the exposure of different types of vehicles. Obtaining accurate and useful information about the travel patterns and distances of different vehicles is a major challenge.

Number of Vehicles in Collisions by Vehicle Type and Severity

Figure 6.1

Vehicle Type	Property Damage	Personal Injury	Fatal	Total	%
Passenger Car	310	66	0	376	31.4
Passenger Van	97	12	1	110	9.2
Light Utility Vehicle	98	20	0	118	9.9
Pickup Truck	320	61	0	381	31.8
Panel/Cargo Van	24	7	0	31	2.6
Other Truck/Van <= 4536 kg	12	1	0	13	1.1
Unit Truck > 4536 kg	16	2	1	19	1.6
Road Tractor	10	6	0	16	1.3
School Bus	2	0	0	2	0.2
Small School Bus	0	0	0	0	0.0
Urban Transit Bus	0	1	0	1	0.1
Intercity Bus	1	0	0	1	0.1
Bus - Unspecified	0	0	0	0	0.0
Motorcycle	2	4	0	6	0.5
Limited Speed Motorcycle	0	0	0	0	0.0
Off Road Vehicles (ATV)	0	0	0	0	0.0
Bicycle	1	6	0	7	0.6
Motor Home	0	0	0	0	0.0
Farm Equipment	0	0	0	0	0.0
Construction Equipment	2	0	0	2	0.2
Fire Engine	0	0	0	0	0.0
Snowmobile	9	14	3	26	2.2
Streetcar	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	88	0	0	88	7.4
Total	992	200	5	1197	100.0

Number of Vehicles in Collisions by Vehicle Condition and Severity

Figure 6.2

Vehicle Condition	Property Damage	Personal Injury	Fatal	Total	%
No Apparent Defect	808	169	4	981	82.0
Defective Brakes	3	1	0	4	0.3
Defective Steering	0	0	0	0	0.0
Defective Lighting	1	2	1	4	0.3
Tire Blown Out	2	0	0	2	0.2
Unsecured Load, Spilled Load	0	0	0	0	0.0
Oversized Load, Overload	1	0	0	1	0.1
Visibility Obstructed	6	2	0	8	0.7
Other Defective Vehicular Parts	13	0	0	13	1.1
Other Vehicular Factor	1	1	0	2	0.2
Unknown	157	25	0	182	15.2
Total	992	200	5	1197	100.0

Vehicle Factors – Section 6

Number of Vehicles in Collisions by Vehicle Manoeuvre and Severity

Figure 6.3

Vehicle Manoeuvre	Property Damage	Personal Injury	Fatal	Total	%
Going Straight Ahead	299	114	5	418	34.9
Turning Left	53	13	0	66	5.5
Turning Right	44	10	0	54	4.5
Making U-Turn	1	0	0	1	0.1
Changing Lanes	8	2	0	10	0.8
Merging	0	0	0	0	0.0
Reversing	137	4	0	141	11.8
Overtaking	2	1	0	3	0.3
Negotiating Curve	42	15	0	57	4.8
Slowing or Stopped in Traffic	74	30	0	104	8.7
Starting in Traffic	3	0	0	3	0.3
Leaving Roadside	2	0	0	2	0.2
Stopped/Parked Legally	220	5	0	225	18.8
Stopped/Parked Illegally	6	0	0	6	0.5
Swerving to Avoid Collision	9	5	0	14	1.2
Run-away or Roll-away Vehicle	2	0	0	2	0.2
Unspecified Manoeuvre	0	1	0	1	0.1
Other	0	0	0	0	0.0
Unknown	90	0	0	90	7.5
Total	992	200	5	1197	100.0

Number of Vehicles in Collisions by Vehicle Year and Severity

Figure 6.4

Model Year	Property Damage	Personal Injury	Fatal	Total	%
2001	11	2	0	13	1.1
2000	81	19	0	100	8.4
1999	109	17	1	127	10.6
1998	93	17	0	110	9.2
1997	72	13	0	85	7.1
1996	46	9	0	55	4.6
1995	57	14	0	71	5.9
1994	49	16	0	65	5.4
1993	57	14	0	71	5.9
1992	42	10	0	52	4.3
1991	28	8	0	36	3.0
1990	37	3	0	40	3.3
1989 & Older	203	48	2	253	21.1
Unspecified	107	10	2	119	9.9
Total	992	200	5	1197	100.0

Victims and Occupant Restraints

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Victims and Occupant Restraints

The Traffic Collision Information System (TCIS) attempts to capture information on all road users involved in collisions, whether they are injured or not. This data can be used to calculate exposure rates for road users by injury severity, age, road user class, gender and many other variables.

Figures 7.6, 7.7 and 7.8 show the relationships between the severity of injury to motor vehicle occupants and seat belt use. The number of persons injured while using seat belts is much higher than those not using them. This is because more than 80% of all motor vehicle occupants are belted in during a crash. The severity of injury is also lower for victims using seat belts. In the Northwest Territories, 90% of victims wearing seat belts were not injured. On the other hand, nearly 20% of the victims who were not wearing seat belts were injured or killed.

The proper use of seat belts is an important factor when evaluating their effectiveness in reducing or preventing injuries. This is especially true of young children and the use of child restraints. In the Northwest Territories, less than 35% of children are restrained at all. It is estimated that only half of these are in a correctly installed device and in a device that is appropriate for the size and age of the child.

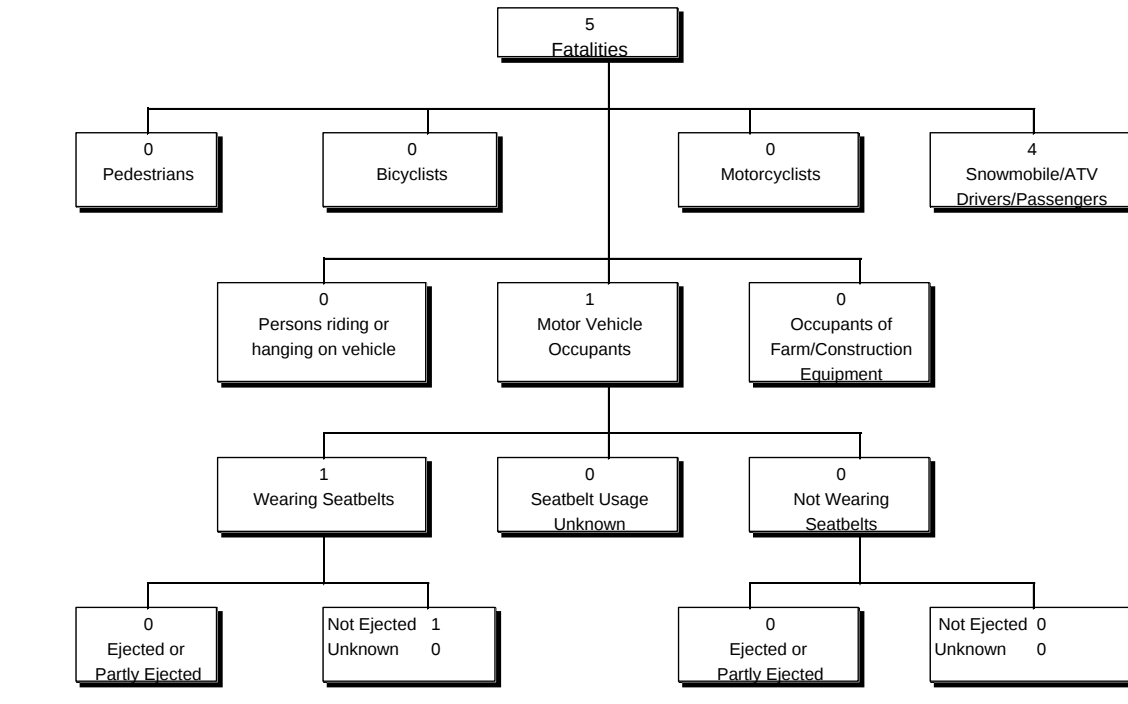
To combat the problem of child restraint misuse-use, child car seat inspection clinics are carried out by the Hay River, Inuvik and Yellowknife Fire Departments. The Car Seat Instructors Program is available to increase the number of qualified persons to conduct inspections at clinics and at occupant restraint checkstops.

For more information on the Car Seat Instructors Program, please call the Department of Transportation, Road Licensing and Safety Division at (867) 920-8918.

Victims and Occupant Restraints – Section 7

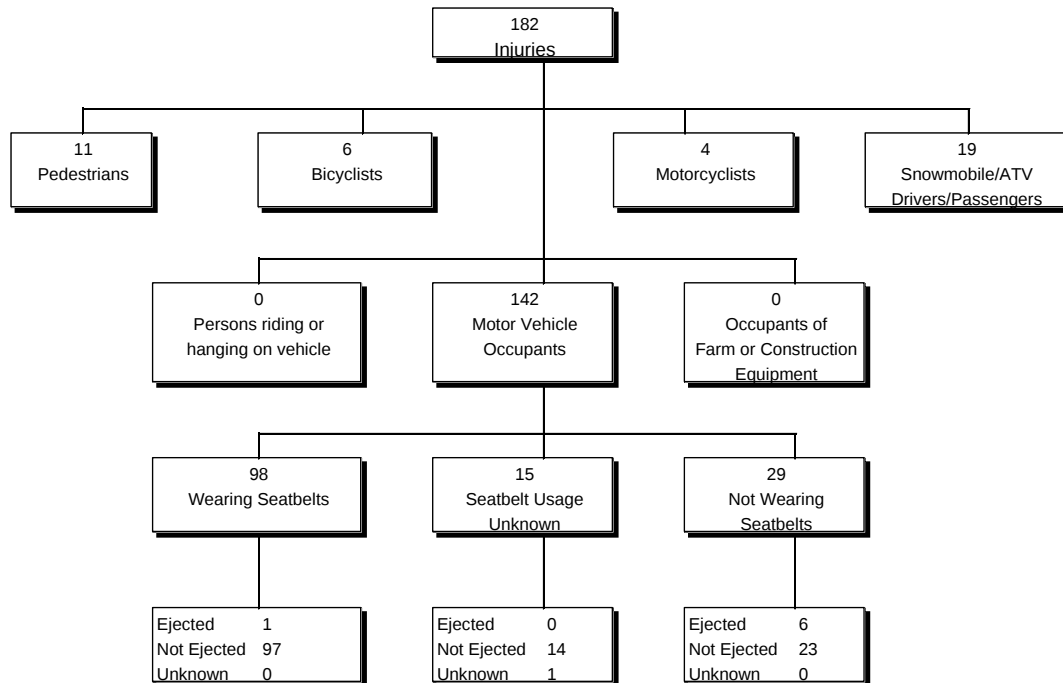
Fatalities Classification
(January 1 to December 31, 2000)

Figure 7.1



Injuries Classification
(January 1 to December 31, 2000)

Figure 7.2



Victims and Occupant Restraints – Section 7

Persons Injured by Road User Class and Age Group

Figure 7.3

Road User Class	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older	Not Stated	Total	%
Motor Vehicle Driver	0	0	5	12	25	22	15	8	0	0	87	47.8
Motor Vehicle Passenger	4	8	8	10	6	7	2	2	1	7	55	30.2
Pedestrian	0	3	0	1	4	0	0	0	1	2	11	6.0
Bicyclist	0	4	1	0	1	0	0	0	0	0	6	3.3
Motorcyclist (includes passengers)	0	0	0	0	3	0	0	0	1	0	4	2.2
ATV Operators & Passengers	0	0	0	0	0	0	0	0	0	0	0	0.0
Snowmobile Operators & Passengers	0	4	2	4	6	2	0	0	0	1	19	10.4
Farm/Construction Equipment	0	0	0	0	0	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0	0	0	0	0	0.0
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	4	19	16	27	45	31	17	10	3	10	182	100.0

Persons Killed by Road User Class and Age Group

Figure 7.4

Road User Class	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older	Not Stated	Total	%
Motor Vehicle Driver	0	0	0	0	0	0	1	0	0	0	1	20.0
Motor Vehicle Passenger	0	0	0	0	0	0	0	0	0	0	0	0.0
Pedestrian	0	0	0	0	0	0	0	0	0	0	0	0.0
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0.0
Motorcyclist (includes passengers)	0	0	0	0	0	0	0	0	0	0	0	0.0
ATV Operators & Passengers	0	0	0	0	0	0	0	0	0	0	0	0.0
Snowmobile Operators & Passengers	0	0	0	3	1	0	0	0	0	0	4	80.0
Farm/Construction Equipment	0	0	0	0	0	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0	0	0	0	0	0.0
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	0	0	0	3	1	0	1	0	0	0	5	100.0

Persons Injured or Killed by Road User Class and Gender

Figure 7.5

Road User Class	Persons Injured				Persons Killed			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total
Motor Vehicle Driver	56	31	0	87	1	0	0	1
Motor Vehicle Passenger	19	36	0	55	0	0	0	0
Pedestrian	8	3	0	11	0	0	0	0
Bicyclist	3	3	0	6	0	0	0	0
Motorcyclist (includes passengers)	4	0	0	4	0	0	0	0
ATV Operators & Passengers	0	0	0	0	0	0	0	0
Snowmobile Operators & Passengers	10	9	0	19	4	0	0	4
Farm/Construction Equipment	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Unspecified	0	0	0	0	0	0	0	0
Total	100	82	0	182	5	0	0	5

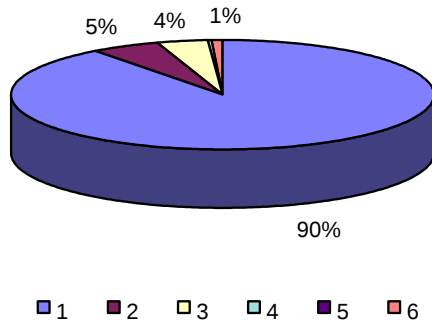
Motor Vehicle* Occupants by Injury Severity and Restraint Use

Figure 7.6

Injury Severity	Not Restrained	Lap Belt Only	Lap & Torso Belt	Child Restraint Device	Restraint Use Unknown	Total	%
Not Injured	125	47	808	21	335	1336	90.3
Minimal Injuries	12	6	43	1	4	66	4.5
Minor Injuries	13	7	31	0	8	59	4.0
Major (Hospital Admission)	4	0	2	0	0	6	0.4
Fatal	0	0	1	0	0	1	0.1
Injured - Extent Unknown	0	1	7	0	3	11	0.7
Total	154	61	892	22	350	1479	100.0

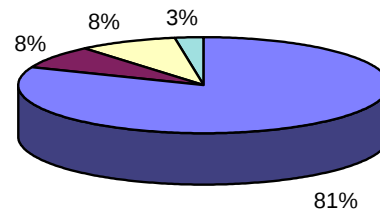
* Excludes occupants of motorcycles, mopeds, snowmobiles, all-terrain vehicles, and farm/construction equipment

Restraints Used



Restraints Not Used

Figure 7.7



1 2 3 4 5 6

1. Not Injured

2. Minor

3. Moderate

4. Major

5. Fatal

6. Injured - extent unknown

Note: The totals used to calculate the percentages in Figures 7.2 and 7.3 do not include occupants where seat belt use was recorded as "unknown".

Injury Classification

- 1 Not Injured - no visible signs or any complaint of injury
- 2 Minor - minor complaint of injury by victim, but no medical treatment required
- 3 Moderate - an injury requiring medical attention but not serious enough to require hospital admission
- 4 Major - an injury serious enough to require hospital admission
- 5 Fatal - death within 30 days as a result of injuries incurred in the traffic collision
- 6 Injured- Extent Unknown - victim sustained injuries, precise extent unknown

Victims and Occupant Restraints – Section 7

Motor Vehicle* Occupants by Injury Severity & Age Group

Figure 7.8

Restraints Used

	0	5	15	20	25	35	45	55	65	Not	
Injury Severity	to 4	to 14	to 19	to 24	to 34	to 44	to 54	5 to 64	& older	Stated	Total
Not Injured	41	61	86	95	173	179	134	43	15	49	876
Minimal Injuries	1	6	1	9	12	11	9	1	0	0	50
Minor Injuries	3	2	2	3	9	11	4	3	0	1	38
Major (Hospital Admission)	0	0	0	0	1	1	0	0	0	0	2
Fatal	0	0	0	0	0	0	1	0	0	0	1
Injured - Extent Unknown	0	0	0	2	1	1	3	1	0	0	8
Total	45	69	89	109	196	203	151	48	15	50	975

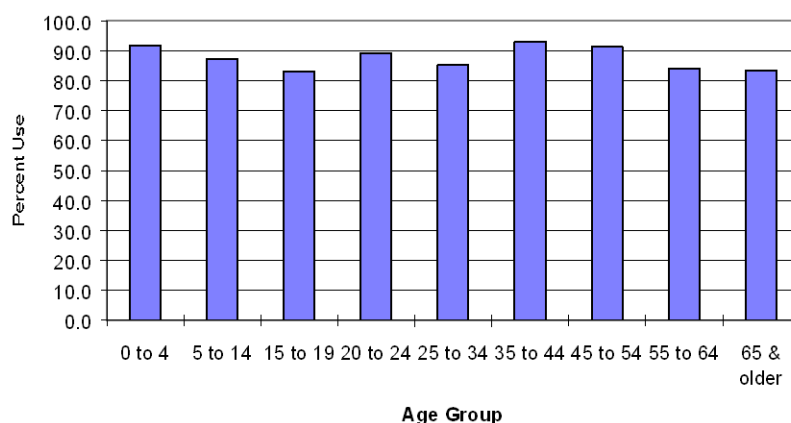
Restraints Not Used

	0	5	15	20	25	35	45	55	65	Not	
Injury Severity	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older	Stated	Total
Not Injured	4	10	10	8	29	12	14	5	3	30	125
Minimal Injuries	0	0	3	3	3	2	0	1	0	0	12
Minor Injuries	0	0	4	2	2	1	0	3	0	1	13
Major (Hospital Admission)	0	0	1	0	0	0	0	0	0	3	4
Fatal	0	0	0	0	0	0	0	0	0	0	0
Injured - Extent Unknown	0	0	0	0	0	0	0	0	0	0	0
Total	4	10	18	13	34	15	14	9	3	34	154

* Excludes occupants of motorcycles, mopeds, snowmobiles, all-terrain vehicles, and farm/construction equipment

Victim Restraint Use Rate by Victim Age

Figure 7.9



Pedestrians

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Pedestrians

2000 Quick Facts on Pedestrian Collisions

- 11 injured
- none killed
- 27% of the pedestrians injured were under the age of 15
- All of the pedestrians were injured within a community
- 45.5% of pedestrians had been drinking or were impaired by alcohol

Pedestrians – Section 8

Pedestrians Injured or Killed by Age Group

Figure 8.1

	Age Group										Not Stated		
	0	5	15	20	25	35	45	55	65				
	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older				
Injured	0	3	0	1	4	0	0	0	1	2	11	100.0	
Killed	0	0	0	0	0	0	0	0	0	0	0	0.0	
Total	0	3	0	1	4	0	0	0	1	2	11		
%	0.0	27.3	0.0	9.1	36.4	0.0	0.0	0.0	9.1	18.2	100.0	100.0	

**Pedestrians Injured or Killed by Pedestrian
Action and Age Group**

Figure 8.2

Pedestrian Action	Age Group										Not Stated	Total	%
	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older				
Crossing Intersection With Traffic Control, With Right-of-Way	0	0	0	1	1	0	0	0	0	1	3	27.3	
Crossing Intersection With Traffic Control, Without Right-of-Way	0	0	0	0	0	0	0	0	0	0	0	0.0	
Crossing Intersection - No Traffic Control	0	0	0	0	0	0	0	0	0	0	0	0.0	
Crossing Roadway at Crosswalk	0	0	0	0	0	0	0	0	0	0	0	0.0	
Crossing Roadway Not at Intersection	0	0	0	0	0	0	0	0	0	0	0	0.0	
Walking Along Roadway Against Traffic	0	0	0	0	0	0	0	0	0	0	0	0.0	
Walking Along Roadway With Traffic	0	0	0	0	1	0	0	0	0	0	1	9.1	
On Sidewalk, Median, Safety Zone	0	0	0	0	0	0	0	0	0	0	0	0.0	
Walking on Travelled Part of Roadway Against Traffic	0	0	0	0	0	0	0	0	0	0	0	0.0	
Walking on Travelled Part of Roadway With Traffic	0	0	0	0	0	0	0	0	0	0	0	0.0	
Coming from Behind Parked Vehicle/Object on Roadside	0	0	0	0	0	0	0	0	0	0	0	0.0	
Coming from Behind Moving Vehicle	0	2	0	0	0	0	0	0	1	0	3	27.3	
Running into Roadway	0	1	0	0	1	0	0	0	0	1	3	27.3	
Getting On/Off School Bus	0	0	0	0	0	0	0	0	0	0	0	0.0	
Getting On/Off Other Vehicles	0	0	0	0	0	0	0	0	0	0	0	0.0	
Pushing Vehicle on Road	0	0	0	0	0	0	0	0	0	0	0	0.0	
Working on Vehicle on Side of Road	0	0	0	0	0	0	0	0	0	0	0	0.0	
Playing on Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0	
Working on Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0	
Lying on Road	0	0	0	0	0	0	0	0	0	0	0	0.0	
Other	0	0	0	0	0	0	0	0	0	0	0	0.0	
Unknown	0	0	0	0	1	0	0	0	0	0	1	9.1	
Total	0	3	0	1	4	0	0	0	1	2	11	100.0	

Pedestrians Injured or Killed By Place of Occurrence and Injury Severity

Figure 8.3

Place of Occurrence	Killed	Injured	Total	%
Urban	0	11	11	100.0
Rural	0	0	0	0.0
Unspecified	0	0	0	0.0
Total	0	11	11	100.0

Pedestrians Injured or Killed by Accident Site

Figure 8.4

Accident Site	Killed	Injured	Total	%
Non-Intersection	0	4	4	36.4
At Intersection of At Least Two Roadways	0	5	5	45.5
Intersection With Parking Lot/Driveway/Alley	0	1	1	9.1
Railroad Level Crossing	0	0	0	0.0
Bridge/Overpass/Viaduct	0	0	0	0.0
Tunnel or Underpass	0	0	0	0.0
Passing Lane/Climbing Lane	0	0	0	0.0
Other	0	0	0	0.0
Unspecified	0	1	1	9.1
Total	0	11	11	100.0

Pedestrians Injured or Killed by Pedestrian Condition

Figure 8.5

Pedestrian Condition	Killed	Injured	Total	%
Apparently Normal	0	5	5	45.5
Had Been Drinking	0	5	5	45.5
Impaired by Alcohol	0	0	0	0.0
Unknown	0	1	1	9.1
Total	0	11	11	100.0

Alcohol

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Alcohol

REDUCING ALCOHOL AS A FACTOR IN MOTOR VEHICLE COLLISIONS

The Department of Transportation believes too many people are being killed and injured as a result of drinking and driving in the Northwest Territories. In the fall of 1995, an inter agency committee was struck to develop recommendations to reduce drinking and driving. A draft report containing the recommendations was completed in the summer of 1996.

Amongst the recommendations are:

- 0 blood alcohol concentration (BAC) for new drivers
- immediate roadside suspension for a BAC greater than .04%
- 30 to 90 day administrative license suspension
- increase statutory license suspensions
- mandatory education program for first and second offenders
- develop assessment and treatment programs for repeat offenders

The purpose of the recommendations are to reduce the extent of deaths and injuries on NWT roadways. The Department of Transportation, Road Licensing and Safety Division is working with other agencies to realize a reduction in alcohol-related crashes.

Drinking Drivers in Collisions by Driver Age and Gender

Figure 9.1

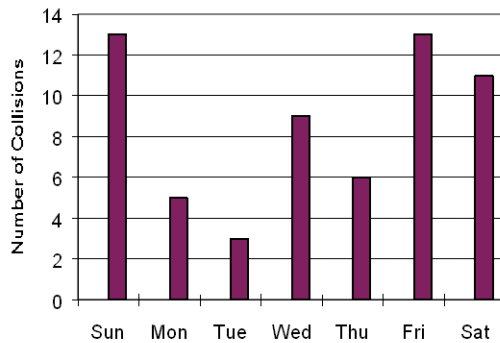
Driver Age	Male	Female	Not Stated	Total Drinking Drivers
Under 16	0	0	0	0
16	2	0	0	2
17	0	1	0	1
18	1	0	0	1
19	2	2	0	4
20	3	0	0	3
21 to 24	13	1	0	14
25 to 34	17	1	0	18
35 to 44	7	3	0	10
45 to 54	6	1	0	7
55 to 64	0	0	0	0
65 & Older	1	0	0	1
Not Stated	0	0	1	1
Total	52	9	1	62

Drinking Drivers by Driver Age



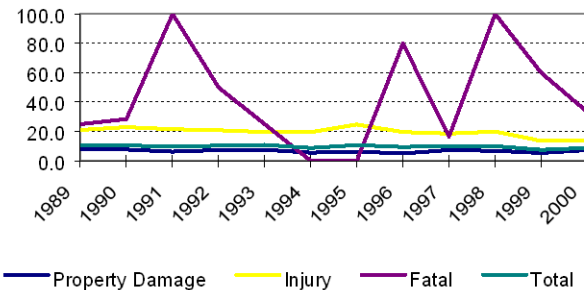
Collisions Involving Alcohol by Day of Week

Figure 9.2



Percentage of Collisions Involving Alcohol by Year and Severity

Figure 9.3



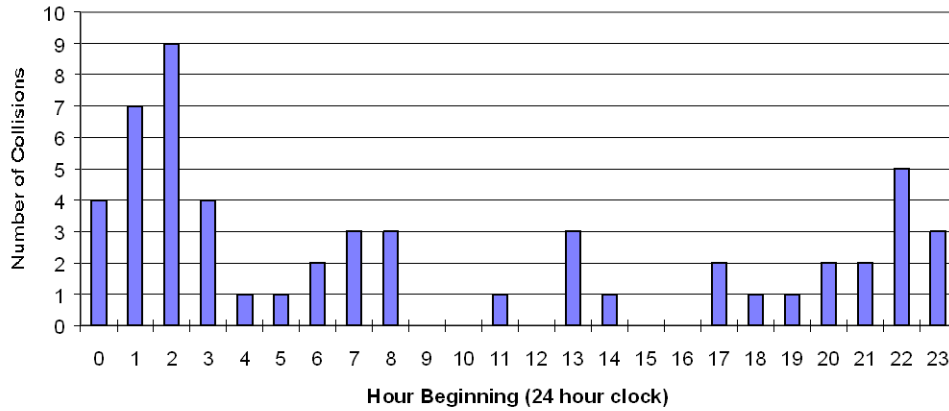
Number of Collisions and Victims Involving Alcohol

Figure 9.4

Number of Collisions						Number of Victims			
	Property Damage	Personal Injury	Fatal	Total	% of Total Collisions	Injured	Killed	Total	% of Total Victims
Year									
1989	56	38	2	96	10.9	63	2	65	24.0
1990	53	32	2	87	10.6	45	2	47	22.6
1991	46	37	3	86	9.7	75	3	78	31.3
1992	50	38	3	91	10.5	59	3	62	23.3
1993	38	35	1	74	10.9	67	1	68	23.7
1994	32	34	0	66	8.9	51	0	51	20.9
1995	33	41	0	74	10.9	62	0	62	27.2
1996	25	28	8	61	9.6	50	8	58	26.7
1997	33	28	1	62	10.3	43	1	44	19.2
1998	31	27	2	60	10.2	45	2	47	23.7
1999	29	21	3	53	7.7	54	5	59	20.8
2000	41	18	1	60	8.8	30	3	33	17.6
Average	39	31	2	73	9.9	54	3	56	23.4

Number of Alcohol Related Collisions by Time of Day

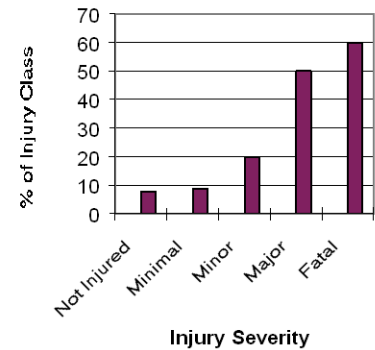
Figure 9.5



Injury Severity by Alcohol Involvement

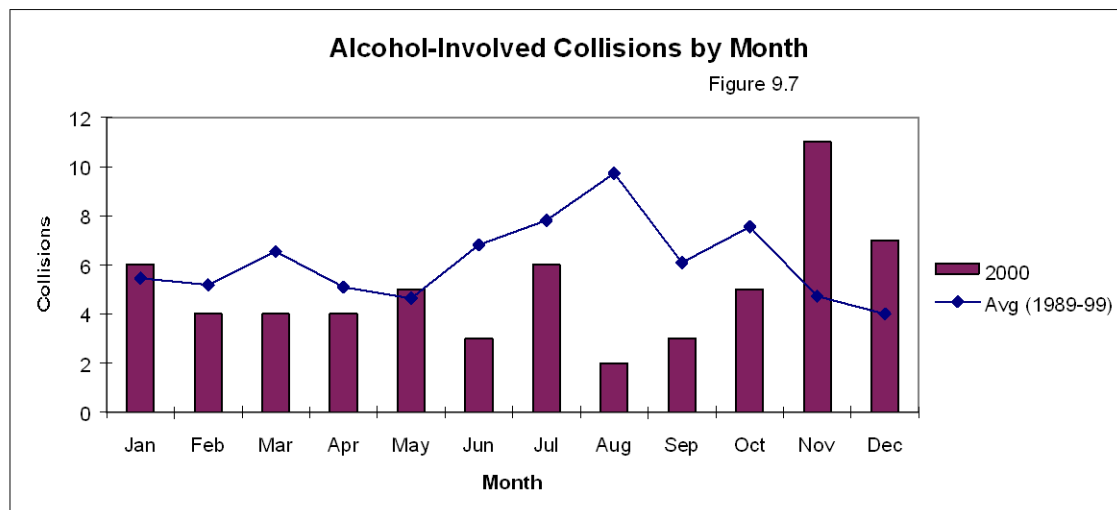
Figure 9.6

Injury Severity	Alcohol Involvement		Totals	% with Alcohol
	Yes	No		
Not Injured	106	1,252	1358	7.8
Minimal Injuries	7	73	80	8.8
Minor	14	57	71	19.7
Major	6	6	12	50.0
Fatal	3	2	5	60.0
Injured - Extent Unknown	3	16	19	15.8
Total	139	1406	1545	9.0



Alcohol-Involved Collisions by Month

Figure 9.7



Off-Road Vehicles

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Off-Road Vehicles

Off-road vehicles, including snowmobiles and All-Terrain Vehicles (ATVs) are a common form of transportation throughout the Northwest Territories. The NWT is unique in that these types of vehicles are permitted to operate on roadways in communities. Despite their widespread use, relatively little is known about collisions involving snowmobiles and ATVs. Part of the problem lies with under-reporting to the police. Only those collisions that occur on or adjacent to a roadway are captured by TCIS. This section attempts to describe the details of collisions with off-road vehicles.

From the Figures, the following facts can be noted:

- 63% of off-road vehicle collisions result in injuries or death
- 50% of off-road vehicle drivers involved in collisions are 24 years of age or younger
- 29.2% of off-road vehicle drivers in collisions had been drinking or were impaired by alcohol
- only 21.6% of off-road vehicle drivers or passengers in collisions were wearing helmets

Off-Road Vehicle Collisions by Month and Severity

Figure 10.1

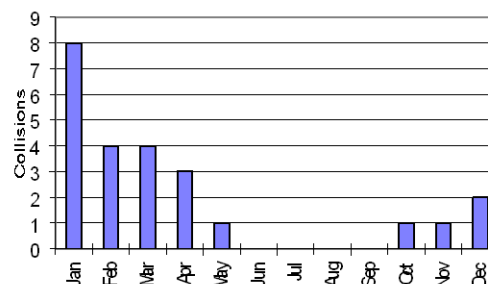
Month	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	3	4	1	8	6	1
February	2	2	0	4	2	0
March	1	3	0	4	5	0
April	1	2	0	3	2	0
May	0	1	0	1	1	0
June	0	0	0	0	0	0
July	0	0	0	0	0	0
August	0	0	0	0	0	0
September	0	0	0	0	0	0
October	0	0	1	1	2	3
November	1	0	0	1	0	0
December	1	1	0	2	1	0
Total	9	13	2	24	19	4

Off-Road Vehicle Collisions by Vehicle Type

Figure 10.2

	Snowmobile	ATV	Total
Total Victims	23	0	23
Killed	4	0	4
Injured	19	0	19
Total Vehicles Involved	26	0	26
Fatal	3	0	3
Injury	14	0	14
Property Damage	9	0	9

Off-Road Vehicle Collisions by Month



Off-Road Vehicles – Section 10

Off-Road Vehicle Drivers in Collisions by Driver Age and Gender

Figure 10.3

Age Group	Snowmobile			ATV			Total	%
	Male	Female	Unknown	Male	Female	Unknown		
0 to 4	0	0	0	0	0	0	0	0.0
5 to 14	1	2	0	0	0	0	3	12.5
15 to 19	1	0	0	0	0	0	1	4.2
20 to 24	6	2	0	0	0	0	8	33.3
25 to 34	7	1	0	0	0	0	8	33.3
35 to 44	2	0	0	0	0	0	2	8.3
45 to 54	0	0	0	0	0	0	0	0.0
55 to 64	0	0	0	0	0	0	0	0.0
65 & Over	1	0	0	0	0	0	1	4.2
Unknown	0	0	1	0	0	0	1	4.2
Total	18	5	1	0	0	0	24	100.0

Off-Road Vehicle Drivers in Collisions by Driver Condition and Severity

Figure 10.4

Driver Condition	Property	Personal	Fatal	Total	%
	Damage	Injury			
Apparently Normal	3	5	1	9	37.5
Fatigue/Fell Asleep	0	0	0	0	0.0
Inexperience	1	4	0	5	20.8
Under Influence - Alcohol	1	4	2	7	29.2
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0	0.0
Other Condition	0	0	0	0	0.0
Unknown	2	1	0	3	12.5
Total	7	14	3	24	100.0

Off-Road Vehicle Drivers in Collisions by Driver Action and Severity

Figure 10.5

Driver Action	Property Damage	Personal Injury	Fatal	Total	%
Driving Properly	0	1	0	1	4.2
Following Too Closely	0	0	0	0	0.0
Distracted, Inattentive	0	0	1	1	4.2
Driving Too Fast for Conditions	3	3	2	8	33.3
Improper Turning or Passing	0	0	0	0	0.0
Failed to Yield Right-of-Way	1	1	0	2	8.3
Disobeyed Traffic Control or Officer	0	3	0	3	12.5
Driving on Wrong Side of Road	0	0	0	0	0.0
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	1	0	1	4.2
Lost Control	3	4	0	7	29.2
Other	0	0	0	0	0.0
Unknown	0	1	0	1	4.2
Total	7	14	3	24	100.0

Off-Road Vehicle Occupants by Injury Severity and Helmet Use

Figure 10.6

Injury Severity	Helmet Worn	Helmet Not Worn	Unknown	Total	%
Not Injured	3	11	1	15	39.5
Minimal Injuries	0	4	0	4	10.5
Minor Injuries	2	7	0	9	23.7
Major (Hospital Admission)	2	3	0	5	13.2
Fatal	0	4	0	4	10.5
Injured - Extent Unknown	1	0	0	1	2.6
Total	8	29	1	38	100.0

Geographic Distribution

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11.5 Collision Rates on the NWT Highway System – Map	69

Geographic Distribution

Figure 11.1 is a detailed summary of collisions by Region, RCMP detachment and severity. Sixty-one percent of the collisions took place in the North Slave Region. The North Slave Region also accounted for 48.4% of persons injured. Four-fifths of the fatalities took place in the Inuvik Region. Figure 11.2 shows collision rates per 100 licensed drivers, registered vehicles and population by Region and RCMP detachment.

Figure 11.3 describes collisions that occurred on the NWT Highway system. Collisions are summarized by location (along numbered highways), date, severity, configuration, and the number of persons injured and killed. Highway 3 (Yellowknife Highway) accounted for 35% of the collisions occurring on the numbered highway system.

Figure 11.4 is a map showing the number of collisions on various segments of the NWT Highway system, including Access and Winter roads. Figure 11.5 is a map showing the corresponding collision rates expressed in the number of collisions per million vehicle-kilometres of travel.

Geographic Distribution – Section 11

Collisions by Region, RCMP Detachment and Severity

Figure 11.1

A - Inuvik Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Aklavik	1	2	1	4	4	1
Deline	2	0	0	2	0	0
Fort Good Hope	1	1	1	3	3	3
Fort McPherson	5	1	0	6	1	0
Holman	0	0	0	0	0	0
Inuvik	61	11	0	72	17	0
Norman Wells	2	2	0	4	2	0
Sachs Harbour	0	0	0	0	0	0
Tuktoyaktuk	5	3	0	8	4	0
Tulita	1	0	0	1	0	0
Sub Total						
Inuvik Region	78	20	2	100	31	4

B - Fort Simpson Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Fort Liard	15	5	0	20	6	0
Fort Simpson	15	6	0	21	7	0
Sub Total						
Fort Simpson Region	30	11	0	41	13	0

C - South Slave Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Hay River	60	19	0	79	32	0
Fort Providence	6	5	0	11	7	0
Fort Resolution	3	1	0	4	2	0
Fort Smith	20	8	0	28	9	0
Lutsel K'e	0	0	0	0	0	0
Sub Total						
South Slave Region	89	33	0	122	50	0

D - North Slave Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Rae/Wha Ti	36	10	1	47	18	1
Yellowknife	314	54	0	368	70	0
Sub Total						
North Slave Region	350	64	1	415	88	1

Total - All Regions	547	128	3	678	182	5
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Collision Rates by Region and RCMP Detachment

Figure 11.2

A - Inuvik Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2000 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Aklavik	4	163	84	748	2.45	4.76	0.53
Deline	2	151	59	645	1.32	3.39	0.31
Fort Good Hope	3	159	67	843	1.89	4.48	0.36
Fort McPherson	6	258	219	1,105	2.33	2.74	0.54
Ulukhaktok	0	66	102	470	0.00	0.00	0.00
Inuvik	72	1,705	1,665	3,451	4.22	4.32	2.09
Norman Wells	4	541	695	882	0.74	0.58	0.45
Sachs Harbour	0	41	33	153	0.00	0.00	0.00
Tuktoyaktuk	8	316	250	1,132	2.53	3.20	0.71
Tulita	1	137	60	506	0.73	1.67	0.20
Sub Total							
Inuvik Region	100	3,537	3,234	9,935	2.83	3.09	1.01

B - Fort Simpson Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2000 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Fort Liard	20	210	268	524	9.52	7.46	3.82
Fort Simpson	21	777	910	1,656	2.70	2.31	1.27
Sub Total							
Fort Simpson Region	41	987	1,178	2,180	4.15	3.48	1.88

C - South Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2000 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Hay River	79	2,714	3,567	4,191	2.91	2.21	1.88
Fort Providence	11	267	303	837	4.12	3.63	1.31
Fort Resolution	4	228	224	562	1.75	1.79	0.71
Fort Smith	28	1,483	1,556	2,625	1.89	1.80	1.07
Lutsel K'e	0	69	45	377	0.00	0.00	0.00
Sub Total							
South Slave Region	122	4,761	5,695	8,592	2.56	2.14	1.42

D - North Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2000 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Behchoko/Whati	47	731	681	2,772	6.43	6.90	1.70
Yellowknife	368	12,610	12,583	18,231	2.92	2.92	2.02
Sub Total							
North Slave Region	415	13,341	13,264	21,003	3.11	3.13	1.98

Total - All Regions	678	22,626	23,371	42,100	3.00	2.90	1.61
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[1] Number of registered vehicles and licensed drivers are as of December 31, 2000.

[2] 2000 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 2001.

Geographic Distribution – Section 11

Collisions on the NWT Highway System

Figure 11.3

Highway #1 (Mackenzie)	On Km	Collision Date	Collision Severity		Collision Configuration	# Persons Injured	# Persons Killed
	22.8	4-Aug-2000	Property Damage	Single Vehicle Rollover		0	0
	33.8	6-Jan-2000	Property Damage	Single Vehicle Rollover		0	0
	40.0	31-Mar-2000	Injury	Single Vehicle Rollover		2	0
	40.0	1-Oct-2000	Property Damage	Ran Off Road		0	0
	40.4	17-Nov-2000	Injury	Ran Off Road		1	0
	61.0	24-Jul-2000	Injury	Ran Off Road		1	0
	67.6	23-Dec-2000	Injury	Ran Off Road		1	0
	73.0	14-Oct-2000	Injury	Single Vehicle Rollover		3	0
	81.8	28-Oct-2000	Injury	Single Vehicle Rollover		2	0
	109.8	5-Aug-2000	Property Damage	Ran Off Road		0	0
	298.0	22-Sep-2000	Injury	Single Vehicle Rollover		2	0
	316.0	20-Oct-2000	Injury	Ran Off Road		1	0
	375.0	24-Jun-2000	Property Damage	Other Single Vehicle Collision		0	0
	454.4	9-Jun-2000	Injury	Single Vehicle Rollover		1	0
	610.0	16-Feb-2000	Property Damage	Animal Strike		0	0
	625.0	21-Feb-2000	Property Damage	Ran Off Road		0	0
	687.2	14-Dec-2000	Property Damage	Ran Off Road		0	0
Summary Highway #1	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions		Total Collisions	Persons Injured	Persons Killed
	8	9	0		17	14	0
Highway #2 (Hay River)	On Km	Collision Date	Collision Severity		Collision Configuration	# Persons Injured	# Persons Killed
	14.0	13-Feb-2000	Property Damage	Single Vehicle Rollover		0	0
	16.0	1-Oct-2000	Property Damage	Single Vehicle Rollover		0	0
	25.6	21-Jan-2000	Injury	Single Vehicle Rollover		1	0
	37.0	14-Dec-2000	Property Damage	Rear End		0	0
	38.3	9-Jun-2000	Property Damage	Right Angle		0	0
	39.1	18-Oct-2000	Injury	Rear End		1	0
	39.6	3-Jul-2000	Property Damage	Single Vehicle Rollover		0	0
	40.0	13-Feb-2000	Property Damage	Collision with Fixed Object		0	0
	40.0	12-Aug-2000	Property Damage	Single Vehicle Rollover		0	0
	40.7	19-Dec-2000	Property Damage	Single Vehicle Rollover		0	0
	41.2	13-Sep-2000	Injury	Single Vehicle Rollover		1	0
Summary Highway #2	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions		Total Collisions	Persons Injured	Persons Killed
	8	3	0		11	3	0

Geographic Distribution – Section 11

Highway #3 (Yellowknife)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	25.9	13-Feb-2000	Injury	Ran Off Road	1	0
	27.7	26-Oct-2000	Property Damage	Animal Strike	0	0
	46.0	22-Sep-2000	Injury	Animal Strike	1	0
	56.4	10-Dec-2000	Injury	Animal Strike	1	0
	82.0	1-Jul-2000	Injury	Ran Off Road	3	0
	116.4	29-Jun-2000	Property Damage	Other Single Vehicle Collision	0	0
	135.0	24-Oct-2000	Property Damage	Animal Strike	0	0
	150.0	1-Oct-2000	Property Damage	Animal Strike	0	0
	154.0	12-Sep-2000	Property Damage	Animal Strike	0	0
	185.0	28-Jan-2000	Injury	Single Vehicle Rollover	2	0
	196.0	2-Nov-2000	Property Damage	Ran Off Road	0	0
	238.0	21-Oct-2000	Property Damage	Other Multi-Vehicle Different Direction	0	0
	244.0	8-Aug-2000	Property Damage	Single Vehicle Rollover	0	0
	245.0	22-Jul-2000	Property Damage	Rear End	0	0
	248.0	19-Dec-2000	Property Damage	Single Vehicle Rollover	0	0
	250.0	2-Apr-2000	Property Damage	Collision with Fixed Object	0	0
	250.0	28-May-2000	Injury	Single Vehicle Rollover	5	0
	255.2	12-May-2000	Injury	Passing - Left Turn	1	0
	258.0	8-Oct-2000	Property Damage	Ran Off Road	0	0
	260.0	8-May-2000	Property Damage	Collision with Fixed Object	0	0
	262.0	13-Apr-2000	Property Damage	Ran Off Road	0	0
	264.0	5-Sep-2000	Property Damage	Single Vehicle Rollover	0	0
	269.0	23-Oct-2000	Injury	Single Vehicle Rollover	1	0
	271.0	2-Mar-2000	Injury	Ran Off Road	1	0
	272.0	4-Nov-2000	Property Damage	Single Vehicle Rollover	0	0
	280.0	2-Nov-2000	Property Damage	Single Vehicle Rollover	0	0
	288.3	20-Feb-2000	Injury	Single Vehicle Rollover	1	0
	288.8	1-Nov-2000	Property Damage	Single Vehicle Rollover	0	0
	292.0	4-Aug-2000	Fatal	Single Vehicle Rollover	2	1
	298.8	17-Mar-2000	Property Damage	Sideswipe - Opposite Direction	0	0
	317.7	12-Jan-2000	Property Damage	Animal Strike	0	0
	323.8	27-Aug-2000	Property Damage	Single Vehicle Rollover	0	0
	338.3	4-Feb-2000	Property Damage	Collision with Fixed Object	0	0
	338.8	10-Mar-2000	Injury	Rear End	1	0
	338.8	15-May-2000	Property Damage	Collision with Fixed Object	0	0
Summary Highway #3	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	23	11	1	35	20	1

Geographic Distribution – Section 11

Highway #4 (Ingraham Trail)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	0.0	16-Nov-2000	Injury	Left Turn Across Path	2	0
	0.6	21-Oct-2000	Property Damage	Collision with Fixed Object	0	0
	1.4	19-Jul-2000	Injury	Single Vehicle Rollover	2	0
	1.5	13-Dec-2000	Property Damage	Rear End	0	0
	3.1	1-Feb-2000	Property Damage	Passing - Left Turn	0	0
	11.8	14-May-2000	Property Damage	Collision with Fixed Object	0	0
	16.8	12-Apr-2000	Property Damage	Sideswipe - Opposite Direction	0	0
	19.2	22-May-2000	Injury	Ran Off Road	1	0
	36.3	18-Jun-2000	Property Damage	Single Vehicle Rollover	0	0
	42.0	3-Jan-2000	Property Damage	Rear End	0	0
	54.0	24-May-2000	Property Damage	Ran Off Road	0	0
	58.0	28-Feb-2000	Injury	Ran Off Road	2	0
	59.2	26-Feb-2000	Property Damage	Single Vehicle Rollover	0	0

Summary Highway #4	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	9	4	0	13	7	0

Highway #5 (Fort Smith Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	2.2	11-Nov-2000	Property Damage	Collision with Fixed Object	0	0
	5.0	30-Jul-2000	Injury	Ran Off Road	5	0
	5.0	2-Aug-2000	Property Damage	Single Vehicle Rollover	0	0
	15.5	13-Feb-2000	Injury	Single Vehicle Rollover	4	0
	98.0	24-Oct-2000	Property Damage	Animal Strike	0	0
	106.0	10-Sep-2000	Property Damage	Animal Strike	0	0
	110.0	9-Dec-2000	Property Damage	Animal Strike	0	0
	115.0	19-Oct-2000	Injury	Single Vehicle Rollover	1	0
	156.0	5-Mar-2000	Injury	Single Vehicle Rollover	2	0
	188.0	17-Oct-2000	Property Damage	Single Vehicle Rollover	0	0
	243.3	13-Mar-2000	Property Damage	Single Vehicle Rollover	0	0

Summary Highway #5	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	7	4	0	11	12	0

Highway #6 (Fort Resolution Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
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Summary Highway #6	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	0	0	0	0	0	0

Geographic Distribution – Section 11

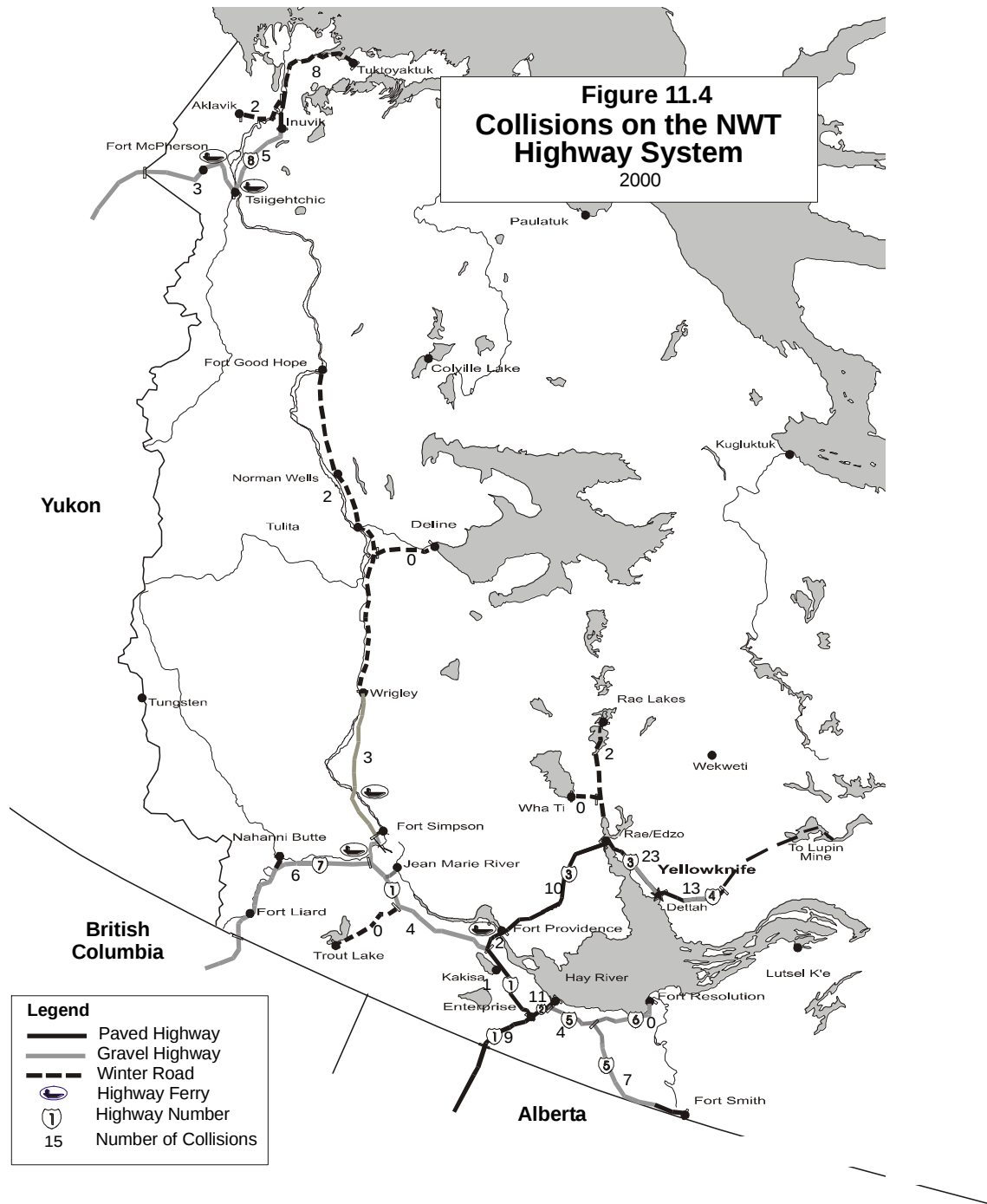
Highway #7 (Liard Highway)	On Km	Collision Date	Collision Severity		Collision Configuration	# Persons Injured	# Persons Killed
	132.6	24-May-2000	Property Damage	Single Vehicle Rollover		0	0
	135.0	20-Jun-2000	Injury	Single Vehicle Rollover		1	0
	142.0	11-Nov-2000	Property Damage	Ran Off Road		0	0
	168.1	8-Mar-2000	Property Damage	Single Vehicle Rollover		0	0
	184.1	7-Jan-2000	Injury	Ran Off Road		1	0
	217.7	19-Jul-2000	Injury	Single Vehicle Rollover		1	0
Summary Highway #7	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions		Total Collisions	Persons Injured	Persons Killed
	3	3	0		6	3	0
Highway #8 (Dempster Highway)	On Km	Collision Date	Collision Severity		Collision Configuration	# Persons Injured	# Persons Killed
	3.0	2-Feb-2000	Property Damage	Ran Off Road		0	0
	19.2	2-Jan-2000	Injury	Animal Strike		1	0
	132.4	27-Sep-2000	Property Damage	Ran Off Road		0	0
	168.0	5-Aug-2000	Injury	Single Vehicle Rollover		1	0
	229.2	11-Sep-2000	Property Damage	Single Vehicle Rollover		0	0
	269.3	14-Sep-2000	Injury	Single Vehicle Rollover		1	0
	269.8	3-Feb-2000	Property Damage	Passing - Left Turn		0	0
	272.4	17-Oct-2000	Property Damage	Other Multi-Vehicle Different Direction		0	0
Summary Highway #8	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions		Total Collisions	Persons Injured	Persons Killed
	5	3	0		8	3	0

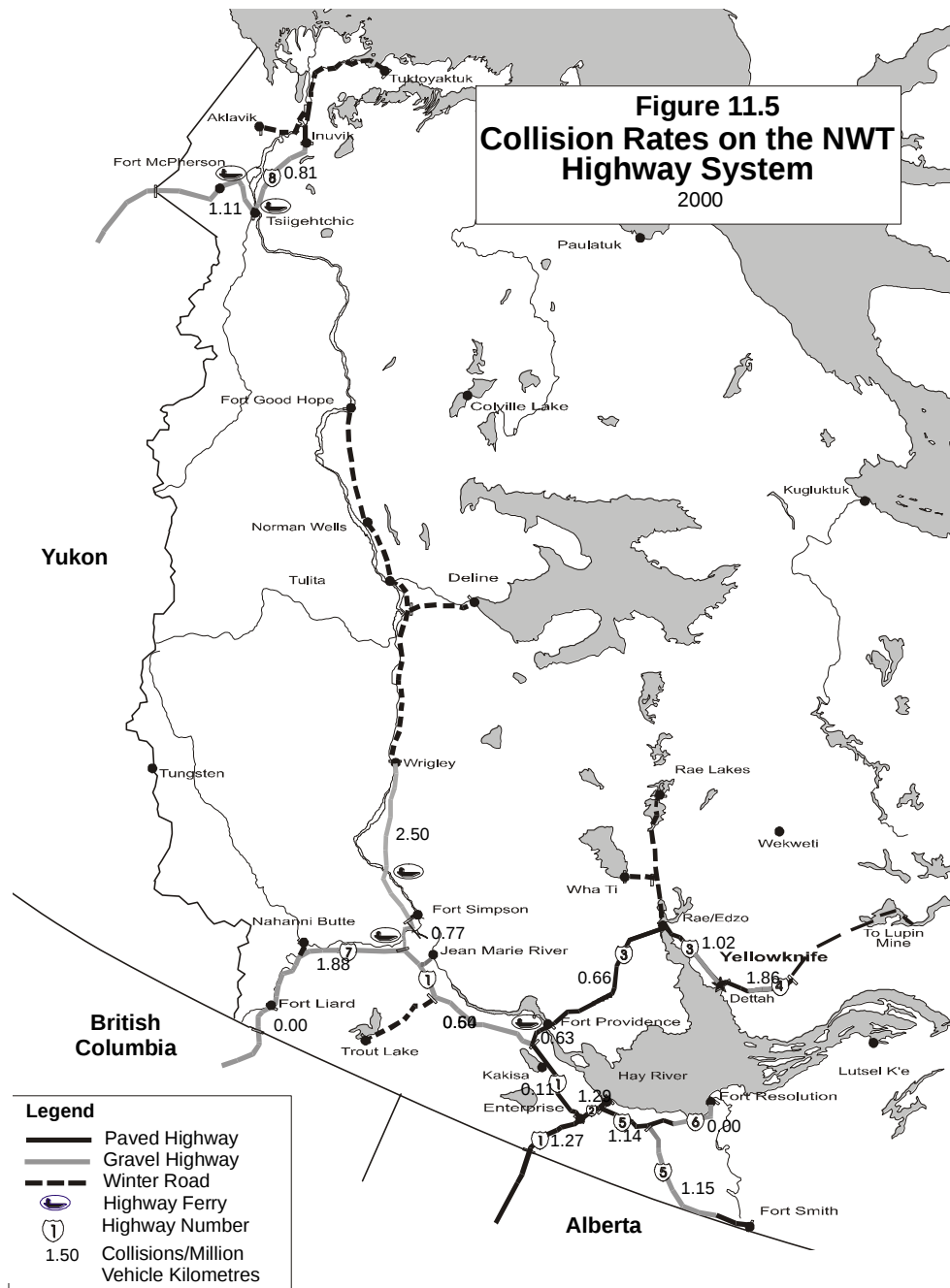
Geographic Distribution – Section 11

Access and	Collision	Collision	Collision	# Persons	# Persons
Winter Roads	Date	Severity	Configuration	Injured	Killed
Aklavik Winter Access Road	3-Jan-2000	Fatal	Rear End	1	1
Aklavik Winter Access Road	22-Mar-2000	Property Damage	Single Vehicle Rollover	0	0
Deline Winter Access Road	10-Mar-2000	Property Damage	Sideswipe - Opposite Direction	0	0
Dettah Access Road	14-Jan-2000	Property Damage	Right Angle	0	0
Dettah Access Road	31-Jan-2000	Property Damage	Collision with Parked Vehicle	0	0
Dettah Access Road	14-Dec-2000	Property Damage	Ran Off Road	0	0
Fort Liard Access Road	10-Jan-2000	Property Damage	Single Vehicle Rollover	0	0
Fort Simpson Access Road	12-Feb-2000	Property Damage	Ran Off Road	0	0
Hay River Reserve Access Road	2-Oct-2000	Property Damage	Single Vehicle Rollover	0	0
Highway 3 Ice Crossing	12-Jan-2000	Property Damage	Other Single Vehicle Collision	0	0
Inuvik-Tuktoyaktuk Winter Road	19-Feb-2000	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road	18-Mar-2000	Injury	Single Vehicle Rollover	2	0
Inuvik-Tuktoyaktuk Winter Road	21-Mar-2000	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road	12-Apr-2000	Property Damage	Right Angle	0	0
Inuvik-Tuktoyaktuk Winter Road	21-Apr-2000	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road	27-Apr-2000	Property Damage	Ran Off Road	0	0
Inuvik-Tuktoyaktuk Winter Road	3-May-2000	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road	27-Dec-2000	Injury	Single Vehicle Rollover	6	0
Mackenzie Highway Winter Road	28-Feb-2000	Injury	Single Vehicle Rollover	1	0
Mackenzie Highway Winter Road	11-Mar-2000	Property Damage	Sideswipe - Opposite Direction	0	0
Rae Access Road	22-Jan-2000	Injury	Single Vehicle Rollover	1	0
Rae Lakes Winter Access Road	3-Mar-2000	Property Damage	Ran Off Road	0	0
Rae Lakes Winter Access Road	24-Mar-2000	Property Damage	Single Vehicle Rollover	0	0
Vee Lake Access Road	9-Jan-2000	Property Damage	Head-on	0	0
Yellowknife Access Road	19-Dec-2000	Injury	Single Vehicle Rollover	1	0

Summary	Property	Personal	Fatal	Total	Persons	Persons
Access and	Damage	Injury	Collisions	Collisions	Injured	Killed
Winter Roads	Collisions	Collisions				
	19	5	1	25	12	1

Summary	Property	Personal	Fatal	Total	Persons	Persons
All NWT	Damage	Injury	Collisions	Collisions	Injured	Killed
Highways	Collisions	Collisions				
	82	42	2	126	74	2





Appendix

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Appendix A1 – MVA Report Form Side I

Northwest Territories ACCIDENT REPORT				02. POLICE DETACHMENT				03. CASE NUMBER				PAGE OF			
1. In Community of (Give Park, Special Area Etc.) 2. Near Or Highway Number Or Street/Road/Avenue At Intersection With Of Highway Number Or Street/Road/Avenue If Not At Intersection metres of Street, Highway, Town, Etc. Special Reference If Location Can Be Described More Precisely, Enter Here				31. DIRECTION OF TRAVEL 1. 8 2. 7 3. 6 4. 5 5. Parked 6. Other U. Unknown				REPORT TYPE 1. Original 2. Continuation 3. Amendment 4. Correction 5. Scene Attended 1. Yes 2. No 10. COLLISION SEVERITY 1. Fatal 2. Property Damage 3. Injury 4. Unknown 15. HIT AND RUN 1. Yes 2. No				09. HOUR 00-23 UU. Unknown 13. NO. VEHICLES 11. NO. KILLED 12. NO. INJURED			
14. TYPE 01. H&M Moving Object 02. H&M Stationary Object 03. Off Road Left 04. Off Road Right 05. Roll-over on Roadway 06. Other Single Vehicle 21. Rear End 22. Sideswipe Same Direction 23. Passing - Left Turn 24. Passing - Right Turn 25. Other Multi-Vehicle Same Direction 31. Head-On				29. VEH. SEQUENCE # 99. Ped. UU. Unknown 30. TOTAL OCCUPANTS 99. Ped. UU. Unknown LAST NAME FIRST NAME(S) ADDRESS DATE OF BIRTH SEX HOME PHONE WORK PHONE DRIVER'S LICENCE # 59. PROV. STATE CLASS 57. Years Licensed 58. STATUS 1. Valid 2. Incorrect 3. Not Licensed 4. Revoked/Suspended 5. Expired 6. Other N. Not Applicable U. Unknown 34. YEAR MAKE/MODEL LICENCE PLATE # EXP 32. PROV. VIN U. Unknown				29. VEH. SEQUENCE # 99. Ped. UU. Unknown 30. TOTAL OCCUPANTS 99. Ped. UU. Unknown LAST NAME FIRST NAME(S) ADDRESS DATE OF BIRTH SEX HOME PHONE WORK PHONE DRIVER'S LICENCE # 59. PROV. STATE CLASS 57. Years Licensed 58. STATUS 1. Valid 2. Incorrect 3. Not Licensed 4. Revoked/Suspended 5. Expired 6. Other N. Not Applicable U. Unknown 34. YEAR MAKE/MODEL LICENCE PLATE # EXP 32. PROV. VIN U. Unknown				43. FIRST IMPACT LOCATION 1. 11 2. 12 3. 13 4. 14 5. 15 6. 16 7. 17 8. 18 9. 19 10. 20 11. 21 12. 22 13. 23 14. 24 15. 25 16. 26 17. 27 18. 28 19. 29 20. 30 21. 31 22. 32 23. 33 24. 34 25. 35 26. 36 27. 37 28. 38 29. 39 30. 40 31. 41 32. 42 33. 43 34. 44 35. 45 36. 46 37. 47 38. 48 39. 49 40. 50 41. 51 42. 52 43. 53 44. 54 45. 55 46. 56 47. 57 48. 58 49. 59 50. 60 51. 61 52. 62 53. 63 54. 64 55. 65 56. 66 57. 67 58. 68 59. 69 60. 70 61. 71 62. 72 63. 73 64. 74 65. 75 66. 76 67. 77 68. 78 69. 79 70. 80 71. 81 72. 82 73. 83 74. 84 75. 85 76. 86 77. 87 78. 88 79. 89 80. 90 81. 91 82. 92 83. 93 84. 94 85. 95 86. 96 87. 97 88. 98 89. 99 90. 100 91. 101 92. 102 93. 103 94. 104 95. 105 96. 106 97. 107 98. 108 99. 109 100. 110 101. 111 102. 112 103. 113 104. 114 105. 115 106. 116 107. 117 108. 118 109. 119 110. 120 111. 121 112. 122 113. 123 114. 124 115. 125 116. 126 117. 127 118. 128 119. 129 120. 130 121. 131 122. 132 123. 133 124. 134 125. 135 126. 136 127. 137 128. 138 129. 139 130. 140 131. 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807 798. 808 799. 809 800. 810 801. 811 802. 812 803. 813 804. 814 805. 815 806. 816 807. 817 808. 818 809. 819 810. 820 811. 821 812. 822 813. 823 814. 824 815. 825 816. 826 817. 827 818. 828 819. 829 820. 830 821. 831 822. 832 823. 833 824. 834 825. 835 826. 836 827. 837 828. 838 829. 839 830. 840 831. 841 832. 842 833. 843 834. 844 835. 845 836. 846 837. 847 838. 848 839. 849 840. 850 841. 851 842. 852 843. 853 844. 854 845. 855 846. 856 847. 857 848. 858 849. 859 850. 860 851. 861 852. 862 853. 863 854. 864 855. 865 856. 866 857. 867 858. 868 859. 869 860. 870 861. 871 862. 872 863. 873 864. 874 865. 875 866. 876 867. 877 868. 878 869. 879 870. 880 871. 881 872. 882 873. 883 874. 884 875. 885 876. 886 877. 887 878. 888 879. 889 880. 890 881. 891 882. 892 883. 893 884. 894 885. 895 886. 896 887. 897 888. 898 889. 899 890. 900 891. 901 892. 902 893. 903 894. 904 895. 905 896. 906 897. 907 898. 908 899. 909 900. 910 901. 911 902. 912 903. 913 904. 914 905. 915 906. 916 907. 917 908. 918 909. 919 910. 920 911. 921 912. 922 913. 923 914. 924 915. 925 916. 926 917. 927 918. 928 919. 929 920. 930 921. 931 922. 932 923. 933 924. 934 925. 935 926. 936 927. 937 928. 938 929. 939 930. 940 931. 941 932. 942 933. 943 934. 944 935. 945 936. 946 937. 947 938. 948 939. 949 940. 950 941. 951 942. 952 943. 953 944. 954 945. 955 946. 956 947. 957 948. 958 949. 959 950. 960 951. 961 952. 962 953. 963 954. 964 955. 965 956. 966 957. 967 958. 968 959. 969 960. 970 961. 971 962. 972 963. 973 964. 974 965. 975 966. 976 967. 977 968. 978 969. 979 970. 980 971. 981 972. 982 973. 983 974. 984 975. 985 976. 986 977. 987 978. 988 979. 989 980. 990 981. 991 982. 992 983. 993 984. 994 985. 995 986. 996 987. 997 988. 998 989. 999 990. 1000 991. 1001 992. 1002 993. 1003 994. 1004 995. 1005 996. 1006 997. 1007 998. 1008 999. 1009 1000. 1010 1001. 1011 1002. 1012 1003. 1013 1004. 1014 1005. 1015 1006. 1016 1007. 1017 1008. 1018 1009. 1019 1010. 1020 1011. 1021 1012. 1022 1013. 1023 1014. 1024 1015. 1025 1016. 1026 1017. 1027 1018. 1028 1019. 1029 1020. 1030 1021. 1031 1022. 1032 1023. 1033 1024. 1034 1025. 1035 1026. 1036 1027. 1037 1028. 1038 1029. 1039 1030. 1040 1031. 1041 1032. 1042 1033. 1043 1034. 1044 1035. 1045 1036. 1046 1037. 1047 1038. 1048 1039. 1049 1040. 1050 1041. 1051 1042. 1052 1043. 1053 1044. 1054 1045. 1055 1046. 1056 1047. 1057 1048. 1058 1049. 1059 1050. 1060 1051. 1061 1052. 1062 1053. 1063 1054. 1064 1055. 1065 1056. 1066 1057. 1067 1058. 1068 1059. 1069 1060. 1070 1061. 1071 1062. 1072 1063. 1073 1064. 1074 1065. 1075 1066. 1076 1067. 1077 1068. 1078 1069. 1079 1070. 1080 1071. 1081 1072. 1082 1073. 1083 1074. 1084 1075. 1085 1076. 1086 1077. 1087 1078. 1088 1079. 1089 1080. 1090 1081. 1091 1082. 1092 1083. 1093 1084. 1094 1085. 1095 1086. 1096 1087. 1097 1088. 1098 1089. 1099 1090. 1100 1091. 1101 1092. 1102 1093. 1103 1094. 1104 1095. 1105 1096. 1106 1097. 1107 1098. 1108 1099. 1109 1100. 1110 1101. 1111 1102. 1112 1103. 1113 1104. 1114 1105. 1115 1106. 1116 			

Appendix A2 – MVA Report Form Side II

16. ROADWAY CONFIGURATION 1. Non-Intersection ☐ 2. Intersection 2 Roads ☐ 3. Intersection With Parking Lot/Driveway/Alley ☐ 4. Railroad Level Crossing ☐ 5. Bridge, Overpass, Viaduct ☐ 6. Tunnel Or Underpass ☐ 7. Other ☐ 8. Unknown ☐	24. ROAD SURFACE 1. Dry, Normal ☐ 2. Wet ☐ 3. Snow (Fresh/Loose) ☐ 4. Slush, Wet Snow ☐ 5. Ice ☐ 6. Sandy/Gravel/Dirt ☐ 7. Muddy ☐ 8. Oil ☐ 9. Flooded ☐ 10. Other ☐ 11. Unknown ☐	11. Urban Transit Bus ☐ 12. Inter-city Bus ☐ 13. Motorcycle ☐ 14. Motorcycle - Speed Limited ☐ 15. Off-Road Vehicle ☐ 16. Bicycle ☐ 17. Purpose-Built Motor Home ☐ 18. Farm Equipment ☐ 19. Construction Equipment ☐ 20. Snowmobile ☐ 21. Other ☐ 22. Unknown ☐	41. VEHICLE MANOEUVRE 01. Going Straight ☐ 02. Turning Left ☐ 03. Turning Right ☐ 04. Making U-Turn ☐ 05. Changing Lanes ☐ 06. Merging ☐ 07. Reversing ☐ 08. Overtaking ☐ 09. Negotiating Curve ☐ 10. Slowing, Stopping ☐ 11. Starting in Traffic ☐ 12. Leaving Roadside ☐ 13. Stopped/Parked Legally ☐ 14. Stopped/Parked Illegally ☐ 15. Swerving To Avoid Collision ☐ 16. Run-Away Or Roll Away Vehicle ☐ 21. Unspecified Manoeuvre ☐ 22. Other ☐ 23. Unknown ☐	48. DRIVER ACTION 21. Following Too Closely ☐ 22. Distracted, Inattentive ☐ 23. Driving Too Fast For Conditions ☐ 24. Improper Turning Or Passing ☐ 25. Fail To Yield Right-Of-Way ☐ 26. Disobeyed Traffic Control Device/ Police Officer ☐ 27. Driving On Wrong Side Of Road ☐ 28. Backing Unsafely ☐ 30. Lost Control ☐ NN. Driving Properly ☐ QQ. Other ☐ UU. Unknown ☐	68. PEDESTRIAN ACTION 01. Crossing Intersection With ROW ☐ 02. Crossing Intersection Without ROW ☐ 04. In Crosswalk ☐ 05. Crossing Roadway At Midblock ☐ 06. Walking On Roadway Against Traffic ☐ 07. Walking On Roadway With Traffic ☐ 08. On Sidewalk, Median, Safety Zone ☐ 11. Coming From Behind Parked Vehicle/Object ☐ 12. Coming From Behind Moving Vehicle ☐ 13. Running Into Roadway ☐ 14. Getting On/Off School Bus ☐ 15. Getting On/Off Vehicle ☐ 16. Pushing Vehicle ☐ 17. Working On Vehicle ☐ 18. Playing On Road ☐ 19. Working On Road ☐ 20. Lying On Road ☐ NN. Not a Pedestrian ☐ QQ. Other ☐ UU. Unknown ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	INDEPENDENT WITNESSES Last Name First Name Address Home Phone Work Phone Last Name First Name Address Home Phone Work Phone ADDITIONAL WITNESSES ON FILE? Yes ☐ No ☐
17. WEATHER CONDITION 1. Clear and/or Sunny ☐ 2. Overcast, Cloudy - No Precipitation ☐ 3. Raining ☐ 4. Snowing, Not Including Drifting Snow ☐ 5. Freez. Rain, Sleet, Hail ☐ 6. Visibility Limitation (Eg. Fog, Smoke, Dust, Mist) ☐ 7. Strong Wind ☐ 8. Other ☐ 9. Unknown ☐	25. ROAD CONDITION 1. Good ☐ 2. Potholes, Bumps, Ruts ☐ 3. Under Construction, Repair ☐ 4. Uneven ☐ 5. Worn ☐ 6. Obscured/Faded Markings ☐ 7. Other ☐ 8. Unknown ☐	36. VEHICLE USE 01. Taxi ☐ 02. School Bus ☐ 03. Other Bus ☐ 04. Military ☐ 05. Police Cruiser ☐ 06. Other Police ☐ 07. Ambulance ☐ 08. Hearse ☐ 09. Tow Truck ☐ 10. Delivery Vehicle ☐ 11. Road Maintenance ☐ 12. Utilities Maintenance ☐ 13. Fire Response ☐ 14. No Special Use ☐ 15. Other ☐ 16. Unknown ☐	44 - 46. VEHICLE EVENTS NON-COLLISION EVENTS: 01. Skidded Or Spun On Roadway ☐ 02. Ran Off Road ☐ 03. Overturned, Rollover ☐ 04. Jackknife Or Trailer Swing ☐ 05. Fire Or Explosion ☐ 06. Load Spill ☐ 07. Load Shift ☐ 08. Submersion ☐ 09. Other Non-Collision Event ☐ HIT MOVING OBJECTS: 11. Hit Moving Motor Vehicle ☐ 12. Hit Pedestrian ☐ 13. Hit Bicyclist ☐ 14. Hit Animal ☐ 15. Hit Train ☐ 16. Hit Another Moving Object ☐ HIT NON-MOVING OBJECTS: 21. Hit Parked Vehicle ☐ 22. Hit Non-Fixed Object ☐ 23. Hit Building ☐ 24. Hit Ditch ☐ 25. Hit Embankment, Dirt Pile, Rock ☐ 26. Hit Culvert, Drainage Structure ☐ 27. Hit Tree/Bush/Hedge ☐ 28. Hit Light/Utility Pole ☐ 29. Hit Curb ☐ 30. Hit Post ☐ 31. Hit Traffic Barrier ☐ 32. Hit Other Fixed Object, Part Of Road Structure ☐ 33. Hit Other Fixed Object NOT Part Of Road Structure ☐ 39. Hit Other Type Fixed Object ☐ NN. No 2nd or 3rd Event ☐ QQ. Other ☐ UU. Unknown ☐	49. VEHICLE FACTORS 41. Defective Brakes ☐ 42. Defective Steering ☐ 43. Defective Lights ☐ 44. Tire Blown Out ☐ 45. Unsecured Or Spilled Load ☐ 46. Oversized Load, Overload ☐ 47. Visibility Obstructed ☐ 48. Other Defective Parts ☐ NN. No Defects ☐ QQ. Other ☐ UU. Unknown ☐	50. ENVIRONMENTAL FACTORS 51. Animal On Roadway ☐ 52. Road Surface Or Other Condition ☐ 53. Obstruction On Road ☐ 54. View Obstructed, Glare, Reflection ☐ 55. Weather Or Acts Of God ☐ NN. No Environmental Factors ☐ QQ. Other ☐ UU. Unknown ☐	ADDITIONAL WITNESSES ON FILE? Yes ☐ No ☐ DESCRIPTION: Show Direction of Travel, Obstructions, Vehicle Movement, Travel Lane, Fixed Objects, Traffic Controls.
18. LIGHT CONDITION 1. Daylight ☐ 2. Dawn ☐ 3. Dusk ☐ 4. Darkness ☐ 5. Other ☐ 6. Unknown ☐	26. ROAD ALIGNMENT 1. Straight And Level ☐ 2. Straight With Grade ☐ 3. Under Construction, Repair ☐ 4. Curved And Level ☐ 5. Curved With Grade ☐ 6. Top Of Hill/Gradient ☐ 7. Bottom Of Hill/Gradient ☐ 8. Other ☐ 9. Unknown ☐	37. EMERGENCY USE 1. Yes ☐ 2. No ☐ N. Not an Emergency Vehicle ☐ U. Unknown ☐	47. DRIVER/PEDESTRIAN CONDITION 01. Fatigued/Fell Asleep ☐ 02. Inexperience ☐ 03. Under Influence - Alcohol ☐ 04. Under Influence - Drugs ☐ 05. Sudden Illness, Lost Consciousness ☐ NN. Apparently Normal ☐ QQ. Other ☐ UU. Unknown ☐	51. DANGEROUS GOODS CLASS 1. Explosives ☐ 2. Gases ☐ 3. Flammable Liquids ☐ 4. Flammable Solids, Spontaneous Combustibles ☐ 5. Oxidizers & Organic Peroxides ☐ 6. Poisonous & Infectious Substances ☐ 7. Radioactives ☐ 8. Corrosives ☐ 9. Misc. Dangerous Goods ☐ N. Not a Commercial Vehicle ☐ Q. Other ☐ U. Unknown ☐	52. DANGEROUS GOODS CLASS 1. Fully/Partially Loaded ☐ 2. Not Loaded ☐ N. Not a Commercial Vehicle ☐ Q. Other ☐ U. Unknown ☐	53. LOAD STATUS 1. Fully/Partially Loaded ☐ 2. Not Loaded ☐ N. Not a Commercial Vehicle ☐ Q. Other ☐ U. Unknown ☐
19. ARTIFICIAL LIGHT CONDITION 1. No Artificial Light ☐ 2. Artificial Light - On ☐ 3. Artificial Light - Off ☐ 4. Other ☐ 5. Unknown ☐	27. TRAFFIC CONTROL 01. Traffic Signals - Oper. ☐ 02. Traffic Signals - Flashing ☐ 03. Stop Sign ☐ 04. Yield Sign ☐ 05. Warning Sign ☐ 06. Pedestrian Crosswalk ☐ 07. Police Officer ☐ 08. School Guard, Flagman ☐ 09. School Crossing ☐ 10. Reduced Speed Zone ☐ 11. No Passing Zone Sign ☐ 12. Road Markings ☐ 13. School Bus Stopped/ Lights Flashing ☐ 14. School Bus Stopped/ Lights Not Flashing ☐ 15. Rail Crossing With Signals and/or Gates ☐ 16. Rail X-ing, Signs Only ☐ 17. Unspec. Control Device ☐ 18. No Control Present ☐ QQ. Other ☐ UU. Unknown ☐	38. TRAILER TYPE 1. Recreational Trailer ☐ 2. Light Utility Trailer (Boat) ☐ 3. Commercial Full Trailer ☐ 4. One Semi-Trailer ☐ 5. Two Semi-Trailers, A-Train ☐ 6. Two Semi-Trailers, B-Train ☐ 7. Two Semi-Trailers, C-Train ☐ 8. Two Semi-Trailers, Connector Unknown ☐ 9. Three Semi-Trailers ☐ N. No Trailers ☐ Q. Other ☐ U. Unknown ☐	39. USE OF HEADLIGHTS 1. No Headlights On/Not Equipped ☐ 2. Daytime Running Lights On ☐ 3. Headlights On ☐ 4. Parking Lights Only On ☐ 5. Fog Or Auxiliary Lights On ☐ Q. Other ☐ U. Unknown ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	DIAGRAM Use Solid Direction Lines, Before Impact and Broken Lines After
20. ROAD CLASSIFICATION I 1. Urban ☐ 2. Rural ☐ 3. Other ☐ 4. Unknown ☐	28. POSTED SPEED LIMIT 01. Passenger Car ☐ 02. Passenger Van ☐ 03. Light Utility Vehicle ☐ 04. Pickup Truck, To 4500 kg ☐ 05. Panel Cargo Van, To 4500 kg ☐ 06. Other Truck, Van, To 4500 kg ☐ 07. Unit Truck, > 4500 kg ☐ 08. Road Tractor ☐ 09. School Bus ☐	40. VEHICLE SPEED 000. Stopped in Traffic ☐ NNN. Parked ☐ UU. Unknown ☐	47. DRIVER/PEDESTRIAN CONDITION 01. Fatigued/Fell Asleep ☐ 02. Inexperience ☐ 03. Under Influence - Alcohol ☐ 04. Under Influence - Drugs ☐ 05. Sudden Illness, Lost Consciousness ☐ NN. Apparently Normal ☐ QQ. Other ☐ UU. Unknown ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐
21. ROAD CLASSIFICATION II 1. Arterial ☐ 2. Collector ☐ 3. Local ☐ 4. Other (Parking Lot) ☐ 5. Unknown ☐	28. POSTED SPEED LIMIT 01. Passenger Car ☐ 02. Passenger Van ☐ 03. Light Utility Vehicle ☐ 04. Pickup Truck, To 4500 kg ☐ 05. Panel Cargo Van, To 4500 kg ☐ 06. Other Truck, Van, To 4500 kg ☐ 07. Unit Truck, > 4500 kg ☐ 08. Road Tractor ☐ 09. School Bus ☐	40. VEHICLE SPEED 000. Stopped in Traffic ☐ NNN. Parked ☐ UU. Unknown ☐	47. DRIVER/PEDESTRIAN CONDITION 01. Fatigued/Fell Asleep ☐ 02. Inexperience ☐ 03. Under Influence - Alcohol ☐ 04. Under Influence - Drugs ☐ 05. Sudden Illness, Lost Consciousness ☐ NN. Apparently Normal ☐ QQ. Other ☐ UU. Unknown ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐
22. ROAD CLASSIFICATION III 1. One-Way, 2-Lane ☐ 2. One-Way, Multi-Lane ☐ 3. Undivided, 2-Way, 2-Lane ☐ 4. Undivided, 2-Way, Multi-Lane ☐ 5. Divided, With Barrier ☐ 6. Divided, With Median ☐ 7. Divided, Type Unspecified ☐ 8. Other (Parking Lot) ☐ 9. Unknown ☐	28. POSTED SPEED LIMIT 01. Passenger Car ☐ 02. Passenger Van ☐ 03. Light Utility Vehicle ☐ 04. Pickup Truck, To 4500 kg ☐ 05. Panel Cargo Van, To 4500 kg ☐ 06. Other Truck, Van, To 4500 kg ☐ 07. Unit Truck, > 4500 kg ☐ 08. Road Tractor ☐ 09. School Bus ☐	40. VEHICLE SPEED 000. Stopped in Traffic ☐ NNN. Parked ☐ UU. Unknown ☐	47. DRIVER/PEDESTRIAN CONDITION 01. Fatigued/Fell Asleep ☐ 02. Inexperience ☐ 03. Under Influence - Alcohol ☐ 04. Under Influence - Drugs ☐ 05. Sudden Illness, Lost Consciousness ☐ NN. Apparently Normal ☐ QQ. Other ☐ UU. Unknown ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐
23. ROAD MATERIAL 1. Asphalt ☐ 2. Concrete ☐ 3. Gravel ☐ 4. Earth, Dirt ☐ 5. Chip-Seal ☐ 6. Brick/Cobblestone ☐ 7. Wood ☐ 8. Steel Deck ☐ 9. Ice Road ☐ 10. Other ☐ 11. Unknown ☐	28. POSTED SPEED LIMIT 01. Passenger Car ☐ 02. Passenger Van ☐ 03. Light Utility Vehicle ☐ 04. Pickup Truck, To 4500 kg ☐ 05. Panel Cargo Van, To 4500 kg ☐ 06. Other Truck, Van, To 4500 kg ☐ 07. Unit Truck, > 4500 kg ☐ 08. Road Tractor ☐ 09. School Bus ☐	40. VEHICLE SPEED 000. Stopped in Traffic ☐ NNN. Parked ☐ UU. Unknown ☐	47. DRIVER/PEDESTRIAN CONDITION 01. Fatigued/Fell Asleep ☐ 02. Inexperience ☐ 03. Under Influence - Alcohol ☐ 04. Under Influence - Drugs ☐ 05. Sudden Illness, Lost Consciousness ☐ NN. Apparently Normal ☐ QQ. Other ☐ UU. Unknown ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐	60. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) 000. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected ☐ 010. Not Tested Due To Injury, Alcohol Use Suspected ☐ 020. Not Tested - Other Reasons, Alcohol Use Suspected ☐ 998. No Alcohol Suspected ☐ NNN. Passenger ☐ UU. Unknown ☐ Dri 1 ☐ Dri 2 ☐ Ped 1 ☐ Ped 2 ☐ Ped 3 ☐ Ped 4 ☐
23. ROAD MATERIAL 1. Asphalt ☐ 2. Concrete ☐ 3. Gravel ☐ 4. Earth, Dirt ☐ 5. Chip-Seal ☐ 6. Brick/Cobblestone ☐ 7. Wood ☐ 8. Steel Deck ☐ 9. Ice Road ☐ 10. Other ☐ 11. Unknown ☐	28. POSTED SPEED LIMIT 01. Passenger Car ☐ 02. Passenger Van ☐ 03. Light Utility Vehicle ☐ 04. Pickup Truck, To 4500 kg ☐ 05. Panel Cargo Van, To 4500 kg ☐ 06. Other Truck, Van, To 4500 kg ☐ 07. Unit Truck, >					

Appendix A3 – Brief Description of Fatal Collisions

The following is a brief description of the three fatal traffic collisions that took place in the Northwest Territories in 2000, resulting in five fatalities.

RCMP Detachment	Date	Description
Aklavik	03-Jan	Snowmobile collided with rear of plough truck on the Aklavik Winter Access Road near community. The snowmobile driver, who was not wearing a helmet, sustained fatal injuries. The snowmobile passenger, who also was not wearing a helmet, suffered minor injuries. The driver of the plough truck was not injured.
Rae	04-Aug	Single vehicle rollover involving mini van near Km 292 on Highway #3. The fully restrained driver lost control on loose gravel. Vehicle came to rest in small pond. The driver died at the scene. Two restrained passengers sustained minor injuries. Alcohol and speed were not believed to be factors.
Fort Good Hope	22-Oct	Two snowmobiles collided head-on in darkness on road within community. Both drivers had been drinking and were not wearing helmets. The headlight was not in operation on one of the snowmobiles. Both drivers died at the scene. One passenger died in hospital. Two other passengers suffered moderate injuries. None of the passengers were wearing helmets. Speeding was a factor.