

2007 NWT Traffic Collision Facts



Department of Transportation
Road Licensing and Safety Division
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Acknowledgements

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If you have any comments or questions related to the content of this report, please contact the Road Licensing and Safety Division at (867) 873-7406, or by facsimile at (867) 873-0120.

2007 QUICK FACTS REPORT

2007 Compared to 2006

	<u>2006</u>	<u>2007</u>	<u>% Change</u>
PROPERTY DAMAGE ONLY COLLISIONS	564	619	9.8
PERSONAL INJURY COLLISIONS	88	114	29.5
FATAL COLLISIONS	3	5	66.7
TOTAL REPORTED COLLISIONS	655	738	12.7
NUMBER OF PERSONS KILLED	3	5	66.7
NUMBER OF PERSONS INJURED	112	156	39.3
NWT HIGHWAY SYSTEM COLLISIONS	143	149	4.2
RURAL COLLISIONS	5	8	60.0
COLLISIONS IN COMMUNITIES	507	581	14.6
REGISTERED VEHICLES	31,664	30,078	-5.0
LICENSED DRIVERS	24,432	24,442	0.0
NWT POPULATION [1]	41,861	42,637	1.9
COLLISIONS PER 100 LICENSED DRIVERS	2.68	3.02	12.6
COLLISIONS PER 100 REGISTERED VEHICLES	2.07	2.45	18.6
COLLISIONS PER 100 POPULATION	1.56	1.73	10.6
COLLISIONS INVOLVING ALCOHOL	44	46	4.5

[1] 2006 and 2007 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 2008.

Introduction

The Traffic Collision Information System (TCIS) is a computer-based system that compiles information on traffic collisions occurring throughout the Northwest Territories. Information in this publication is derived from the motor vehicle collision report forms completed by Royal Canadian Mounted Police (RCMP) detachments in accordance with Section 262 of the *Motor Vehicles Act*. The collection of this valuable data is made possible by the efforts and dedication of the many RCMP officers across the Northwest Territories who complete the forms from their collision investigations.

This publication contains useful information on issues (such as drinking and driving, unsafe speed, young and old drivers, and use of occupant restraints) that affect crashes and their severities. This report is organized in twelve sections. The contents of each section are described below.

Section 1 -Historical Trends

This section illustrates the 19-year history of collisions, victims and licensed drivers and vehicles. There were a total of 738 collisions reported in 2007, 12.7 percent more than in 2006. Reporting definitions have remained the same since 1989. Trends in injuries, property damage collisions, and total collisions declined steadily between 1989 and 1997. This decline took place despite the increased population and number of licensed drivers and registered vehicles. Total collisions and property-damage-only collisions, however, have generally been increasing since 1997.

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 2007 are above the 19-year average, while the 156 persons injured in 2006 are fewer than the 19-year average.

Section 2 - Time of Occurrence

Section 2 shows the distribution of collisions by time of day, day of week, and month. The highest number of collisions occurred during the winter months, from November to March. Conversely, collisions that result in injuries are more likely to occur 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 Sundays and weekdays.

Section 3 - 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 are selected from four categories: driver condition, driver action, vehicle condition, and driving environment.

In 86% of collisions, a primary contributing factor could be identified. 72% are primarily attributable to driver action (driving too fast for conditions, disobeying a traffic control device or sign, and other forms of driver error). In 7% of collisions, and 17% of collisions involving injury or a fatality, the condition of the driver (impairment, fatigue, etc.) is the primary factor identified. Vehicle condition (tires, steering, etc.) is the primary factor in 1% of collisions, and the driving environment (weather, road surface conditions, wildlife) is the primary factor in 6% of collisions.

Section 4 - 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. Section 4 provides a breakdown of collisions for each of the different driving environments by severity and road system.

Most collisions occur under favourable conditions (clear weather, daylight and on a road surface that is free of defects). Intersection-related collisions are far more frequent in communities than in rural areas or on the NWT Highway system.

Section 5 - Driver Factors

This section describes the characteristics of drivers involved in collisions. In 2007, 1,057 drivers were involved in 738 collisions. This is an average of 1.43 drivers per collision, pointing to a large number of single vehicle collisions. Details on driver age, gender, condition, action and class of licence is presented.

Of particular concern is the over-representation of young drivers in collisions. Drivers aged 15 to 20 years are twice as likely to be involved in a collision compared to drivers aged 35 to 44 years. On August 1, 2005, the Graduated Driver Licensing Program was introduced to make the process of learning to drive a safer experience. New drivers are required to go through three stages to obtain a full Class 5 licence:

Stage 1 – Learner Class 7

- Must be a minimum of 15 years of age.
- Must pass a written examination.
- The Learner's Stage lasts for a minimum of 12 months, providing the driver remains suspension free.

Conditions

- A Learner must drive with a fully licensed driver who has a minimum of 24 months experience with a full Class 5 licence.
- Time spent suspended must be made up before moving on to the next stage.
- A Learner cannot have any passengers other than the supervisor.
- A Learner cannot drive between the hours of 11 p.m. and 6 a.m.

Stage 2 – Probationary Class 5P

- No supervisor required.
- Must be a minimum of 16 years of age.
- Must have completed the 12-month Learner Stage.
- Must pass a practical road examination.
- The Probationary Stage lasts for a minimum of 12 months, providing the driver remains suspension-free.

Conditions

- The number of passengers for a probationary driver can be equal to the number of seat belts available in the vehicle.
- Only one passenger is permitted in the front seat.

Stage 3 – Full Class 5

- Must be a minimum of 17 years of age.
- Must have completed the Probationary Stage.

Section 6 - Vehicle Factors

There were a total of 1,278 vehicles involved in 738 collisions in 2007. This is an average of 1.73 vehicles per collision. This section provides details on the different vehicle types involved in collisions.

Section 7 - 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.

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, it is estimated that less than 35% of children are restrained. It is further estimated that only half of these children are in a correctly installed device or one that is appropriate for the size and age of the child.

Of interest is the relationship between the severity of injury to motor vehicle occupants and seat belt use. The severity of injury is lower for victims using seat belts. In the Northwest Territories, only 8% of occupants in a collision who were wearing seat belts were injured. On the other hand, 37% of those who were not wearing seat belts were injured, some fatally.

Section 8 - Pedestrians

This section presents a summary of collisions involving pedestrians. For 2007:

- 8 pedestrians were injured;
- no pedestrians were killed;
- none of the pedestrians injured were under the age of 15;
- all pedestrians were injured within a community;
- none of the pedestrians had been drinking or were impaired by alcohol.

Section 9 - Alcohol

On December 1, 2004, the Department of Transportation introduced new measures to reduce impaired driving in the Northwest Territories:

- Drivers caught with .05 to .08 blood alcohol content automatically have their Drivers Licence suspended for 24 hours for a first offence or 30 days for further offences within a 2 year period.
- New drivers with any blood alcohol content automatically have their Drivers Licence suspended for 30 days.
- Drivers caught with over .08 blood alcohol content or who refuse to provide a breathalyzer sample automatically have their Drivers Licence suspended for 90 days in addition to Criminal Code charges for impaired driving.
- Drivers convicted of impaired driving under the Criminal Code are automatically prohibited from driving for:
 - 1 year for a first conviction within a 10-year period;
 - 3 years for a second conviction within a 10-year period;
 - 5 years for a third conviction within a 10-year period;
 - 5 or more years for additional convictions within a 10-year period OR if the offence caused a death.
- Police have the authority to impound a vehicle for 30 days if the vehicle is operated by a driver whose driving privileges are suspended.
- Drivers wishing to have their driving privileges reinstated after an administrative licence suspension are required to pay reinstatement fees and may be required to satisfy conditions including:
 - An alcohol dependency assessment;
 - A driver assessment;
 - Participation in a driver improvement program;
 - Participation in an alcohol dependency awareness program;
 - Participation in an alcohol treatment program;
 - Participation in an alcohol ignition interlock program, or
 - Any other condition the Registrar considers appropriate.

In 2007, there were 46 collisions involving alcohol, resulting in 31 persons being injured. There were two alcohol-related fatalities in 2007. These figures are near the 19-year averages.

Section 10 - Off-Road Vehicles

Off-road vehicles, including snowmobiles and All-Terrain Vehicles (ATVs), are a common form of transportation in isolated communities in the Northwest Territories. From the figures presented in this section, the facts below should be noted:

- 69% of off-road vehicle collisions resulted in injuries;
- 86% of off-road vehicle drivers involved in collisions are 24 years of age or younger;
- 29% of off-road vehicle drivers in collisions had been drinking or were impaired by alcohol;
- 19% of off-road vehicle drivers or passengers in collisions were wearing helmets;
- 66% of the off-road vehicles involved in collisions were snowmobiles.

Section 11 - Geographic Distribution

This section presents a detailed summary of collisions by Region, RCMP detachment and severity. 58% of collisions took place in the North Slave Region. The North Slave Region also accounted for 43% of persons injured.

A map detailing collisions that occurred on the NWT Highway system is shown on page 44. Highway 3 (Yellowknife Highway) accounted for 32% of collisions occurring on the eight numbered highways. There were 19 reported bison-vehicle collisions on the NWT Highway system; the highest number ever. This may be attributed to the expansion of the bison herd in the North Slave region and increased traffic on Highway 3. The Department is continuing to develop a strategy to reduce and mitigate collisions with bison.

Section 12 – National Comparison

This section compares injury and fatality rates for Canadian jurisdictions for the 2006 calendar year. This is the most recent year for which complete data is available. Fatality and injury rates are shown per 100,000 population, per billion vehicle-kilometres of travel, and per 100,000 licensed drivers for each province and territory. The casualty rates for the Northwest Territories are less than the Canada average for all of the six indicators.

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. The Traffic Collision Information System (TCIS) only records reportable motor vehicle collisions that 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 that 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.

NWT HIGHWAY COLLISION – a collision occurring on one of the eight numbered highways or on an Access or Winter road maintained by the Department of Transportation.

COMMUNITY COLLISION – a collision occurring within the corporate limits of a community but not on any of the roads on the NWT Highway system.

RURAL COLLISION – a collision occurring outside of the corporate limits of a community and off of any of the roads on the NWT Highway system.

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.

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.

FATAL 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.

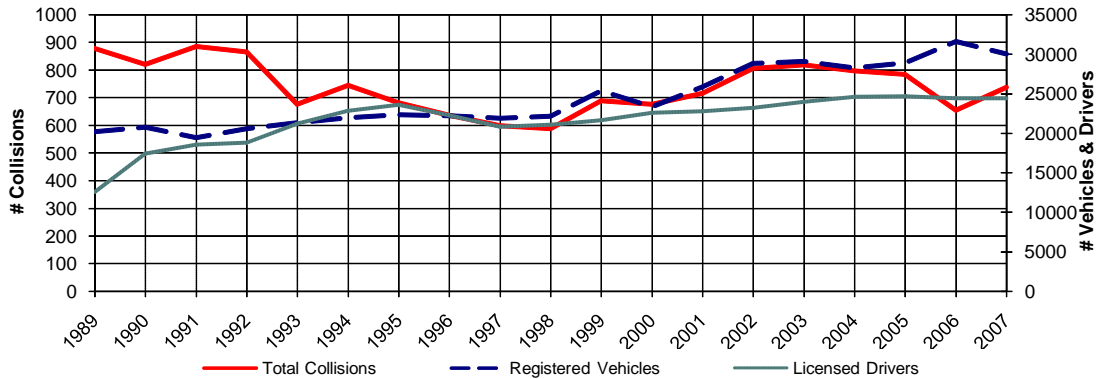
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Trends in Licensed Drivers, Registered Vehicles and Collisions

Figure 1.1

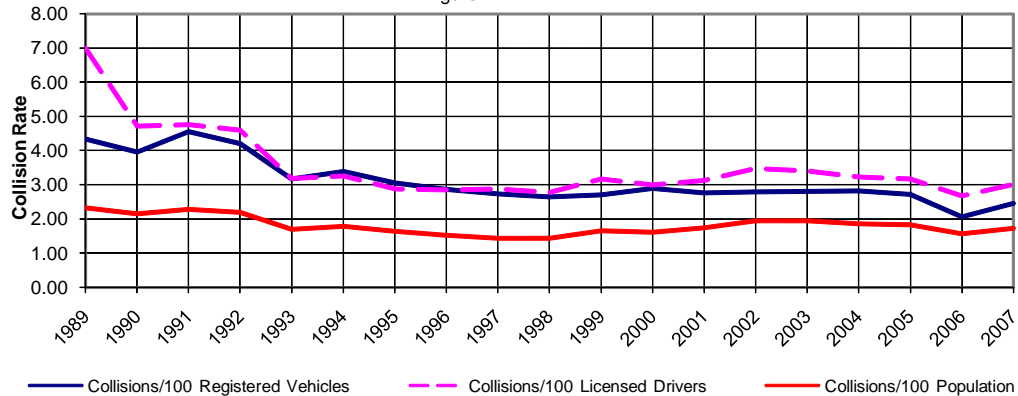


3 Year Summary

	2005	2006	2007	% Change
Registered Vehicles	28,934	31,664	30,078	-5.0
Licensed Drivers	24,703	24,432	24,442	0.0
Total Collisions	786	655	738	12.7

Trends in Collision Rates by Vehicles, Drivers and Population

Figure 1.2

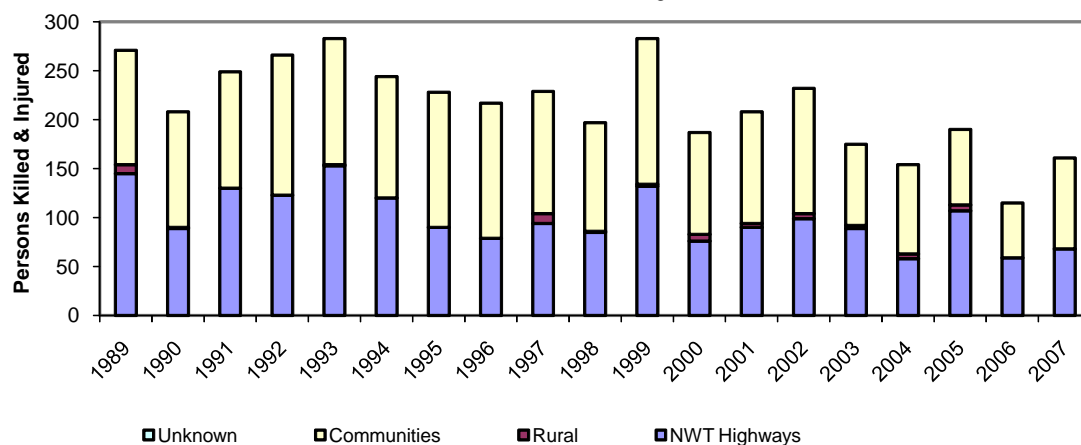


3 Year Summary

	2005	2006	2007	% Change
Collisions/100 Registered Vehicles	2.72	2.07	2.45	18.6
Collisions/100 Licensed Drivers	3.18	2.68	3.02	12.6
Collisions/100 Population	1.83	1.56	1.73	10.6

Trends in Injuries & Fatalities

Figure 1.3

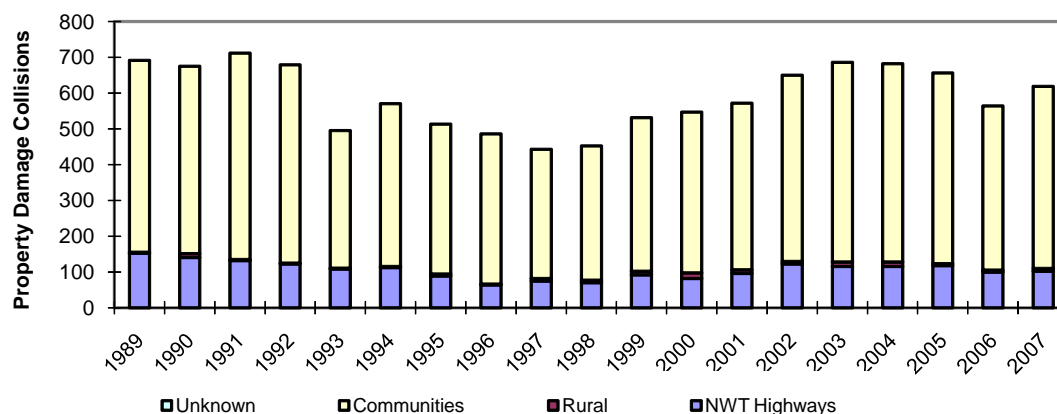


3 Year Summary

	Persons Injured				Persons Killed			
	2005	2006	2007	Average	2005	2006	2007	Average
NWT Highways	105	56	63	75	2	3	5	3
Rural	6	0	0	2	0	0	0	0
Communities	77	56	93	75	0	0	0	0
Total	188	112	156	152	2	3	5	3

Trends in Property Damage Collisions

Figure 1.4

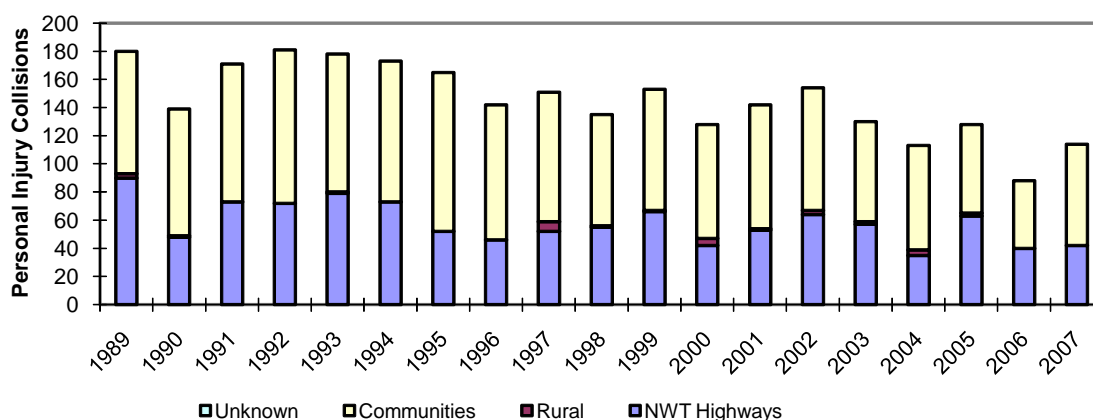


3 Year Summary

	Property Damage Collisions			
	2005	2006	2007	Average
NWT Highways	118	100	102	107
Rural	5	5	8	6
Communities	533	459	509	500
Total	656	564	619	613

Trends in Personal Injury Collisions

Figure 1.5

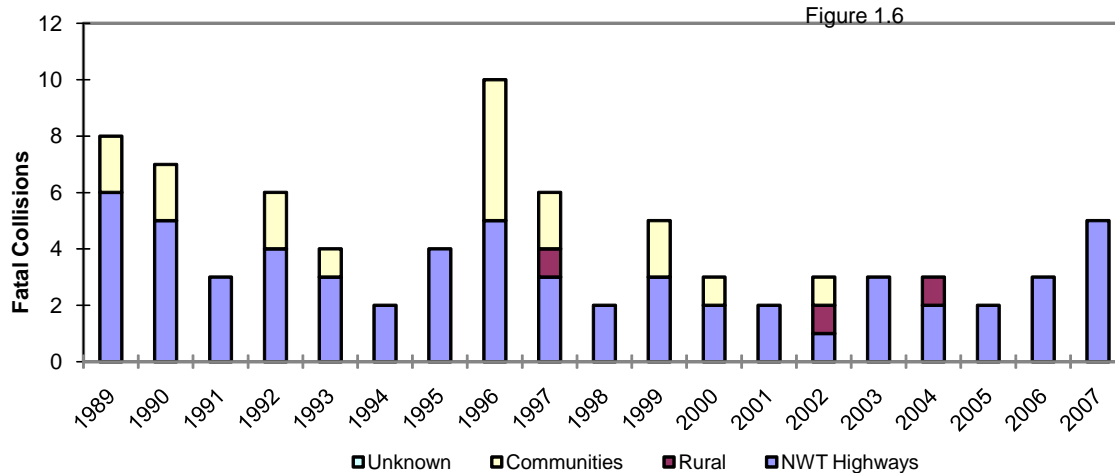


3 Year Summary

Personal Injury Collisions				
	2005	2006	2007	Average
NWT Highways	63	40	42	48
Rural	2	0	0	1
Communities	63	48	72	61
Total	128	88	114	110

Trends in Fatal Collisions

Figure 1.6

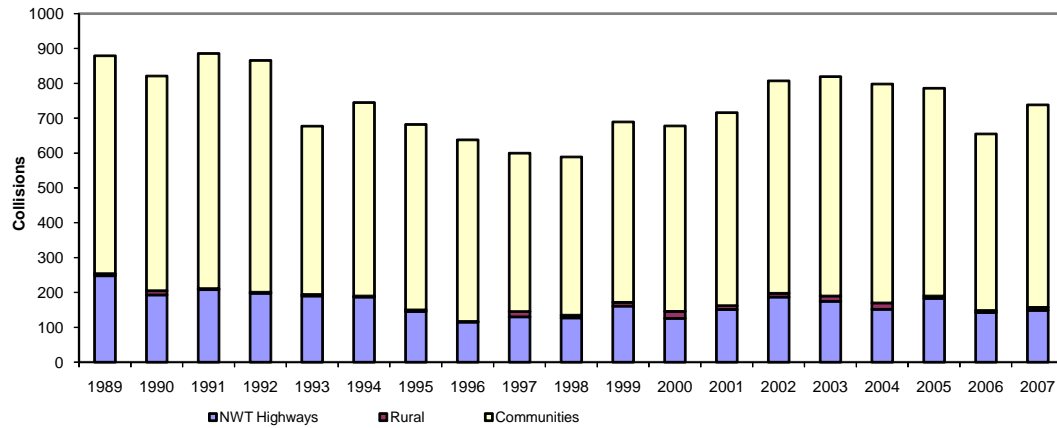


3 Year Summary

Fatal Collisions				
	2005	2006	2007	Average
NWT Highways	2	3	5	3
Rural	0	0	0	0
Communities	0	0	0	0
Total	2	3	5	3

Trends in All Reported Collisions

Figure 1.7



3 Year Summary

	2005	2006	2007	Average
NWT Highways	183	143	149	158
Rural	7	5	8	7
Communities	596	507	581	561
Total	786	655	738	726

Property Damage Collisions by Month and Year

Figure 1.8

Month	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Avg. 97 to 06	2007
January	53	64	65	60	50	85	91	90	75	62	70	58
February	45	46	65	49	65	64	76	85	87	54	64	72
March	44	36	47	45	59	64	82	58	65	45	55	84
April	26	22	34	33	35	35	47	37	52	42	36	33
May	23	20	30	34	34	42	41	27	39	29	32	26
June	32	29	30	27	39	41	47	51	43	30	37	45
July	37	34	29	31	22	38	38	32	52	45	36	39
August	37	34	38	36	38	53	34	35	42	34	38	39
September	25	34	36	34	32	40	43	49	53	41	39	43
October	48	39	63	58	65	61	47	59	47	33	52	50
November	26	37	45	53	61	64	69	66	51	90	56	54
December	47	57	49	87	72	63	72	93	50	59	65	76
Total	443	452	531	547	572	650	687	682	656	564	578	619

Personal Injury Collisions by Month and Year

Figure 1.9

Month	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Avg. 97 to 06	2007
January	13	10	15	17	13	11	9	15	10	12	13	6
February	19	10	13	14	14	6	25	8	8	4	12	15
March	16	11	11	9	7	8	11	7	10	8	10	9
April	19	7	9	4	7	5	7	11	3	10	8	7
May	11	4	6	9	8	9	10	9	5	4	8	3
June	6	20	12	9	14	15	9	10	15	8	12	10
July	8	11	22	11	6	19	12	9	17	6	12	11
August	16	14	12	7	16	16	11	18	15	8	13	13
September	10	11	11	9	10	13	6	10	9	5	9	12
October	14	17	20	12	21	22	15	6	13	9	15	9
November	10	8	10	10	10	15	7	3	16	10	10	8
December	9	12	12	17	16	15	8	7	7	4	11	11
Total	151	135	153	128	142	154	130	113	128	88	132	114

Fatal Collisions by Month and Year

Figure 1.10

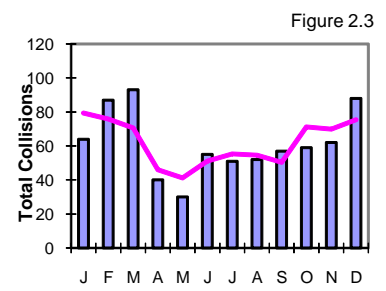
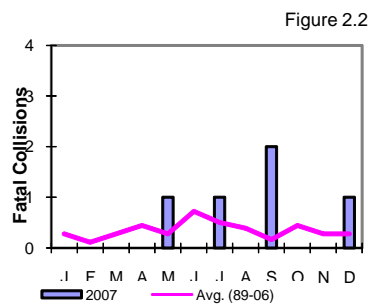
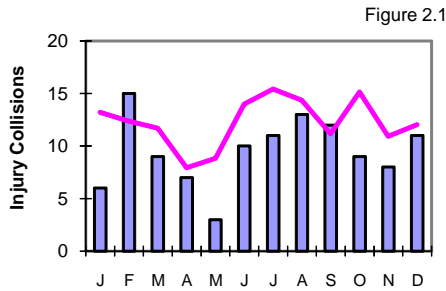
Month	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Avg. 97 to 06	2007
January	0	0	0	1	1	0	1	0	0	1	0.4	0
February	0	0	0	0	0	1	0	1	0	0	0.2	0
March	2	0	0	0	0	0	0	0	0	0	0.2	0
April	0	0	1	0	1	0	0	0	0	0	0.2	0
May	1	0	0	0	0	0	0	0	1	0	0.2	1
June	1	0	0	0	0	0	1	1	1	0	0.4	0
July	1	0	1	0	0	0	0	0	0	1	0.3	1
August	1	0	1	1	0	0	0	0	0	0	0.3	0
September	0	1	1	0	0	0	0	0	0	0	0.2	2
October	0	1	0	1	0	1	0	0	0	1	0.4	0
November	0	0	0	0	0	1	0	0	0	0	0.1	0
December	0	0	1	0	0	0	1	1	0	0	0.3	1
Total	6	2	5	3	2	3	3	3	2	3	3.2	5

Total Collisions by Month and Year

Figure 1.11

Month	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Avg. 97 to 06	2007
January	66	74	80	78	64	96	101	105	85	75	82	64
February	64	56	78	63	79	71	101	94	95	58	76	87
March	62	47	58	54	66	72	93	65	75	53	65	93
April	45	29	44	37	43	40	54	48	55	52	45	40
May	35	24	36	43	42	51	51	36	45	33	40	30
June	39	49	42	36	53	56	57	62	59	38	49	55
July	46	45	52	42	28	57	50	41	69	52	48	51
August	54	48	51	44	54	69	45	53	57	42	52	52
September	35	46	48	43	42	53	48	59	62	46	48	57
October	62	57	83	71	86	84	62	65	60	43	67	59
November	36	45	55	63	71	80	76	69	67	100	66	62
December	56	69	62	104	88	78	81	101	57	63	76	88
Total	600	589	689	678	716	807	819	798	786	655	714	738

Collisions by Month of Occurrence



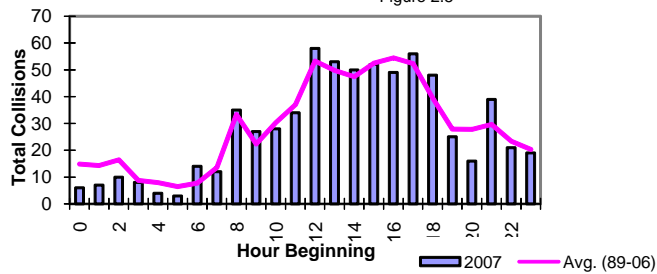
Collisions & Victims by Month of Occurrence

Figure 2.4

Month	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	58	6	0	64	10	0
February	72	15	0	87	16	0
March	84	9	0	93	16	0
April	33	7	0	40	10	0
May	26	3	1	30	5	1
June	45	10	0	55	14	0
July	39	11	1	51	14	1
August	39	13	0	52	15	0
September	43	12	2	57	20	2
October	50	9	0	59	10	0
November	54	8	0	62	12	0
December	76	11	1	88	14	1
Total	619	114	5	738	156	5

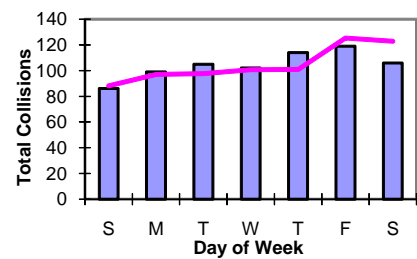
Total Collisions by Time of Day

Figure 2.5



Total Collisions by Day of Week

Figure 2.6



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.	2	0	3	0	0	1	0	6	0.8
1 to 2 a.m.	2	0	0	3	0	1	1	7	1.0
2 to 3 a.m.	3	0	1	1	0	1	4	10	1.4
3 to 4 a.m.	0	1	1	0	2	1	3	8	1.1
4 to 5 a.m.	3	0	0	0	1	0	0	4	0.5
5 to 6 a.m.	0	1	0	0	1	1	0	3	0.4
6 to 7 a.m.	4	1	2	2	3	1	1	14	1.9
7 to 8 a.m.	2	1	3	2	1	2	1	12	1.6
8 to 9 a.m.	2	4	4	9	6	6	4	35	4.8
9 to 10 a.m.	0	4	3	4	2	5	9	27	3.7
10 to 11 a.m.	2	3	2	7	4	4	6	28	3.8
11 to 12 a.m.	2	4	6	5	6	6	5	34	4.7
12 to 1 p.m.	5	11	14	11	8	6	3	58	7.9
1 to 2 p.m.	3	7	7	12	8	11	5	53	7.3
2 to 3 p.m.	9	10	9	2	8	6	6	50	6.8
3 to 4 p.m.	6	9	6	5	7	9	10	52	7.1
4 to 5 p.m.	2	6	7	9	9	6	10	49	6.7
5 to 6 p.m.	7	5	8	8	12	8	8	56	7.7
6 to 7 p.m.	9	8	5	3	11	7	5	48	6.6
7 to 8 p.m.	3	4	4	4	3	4	3	25	3.4
8 to 9 p.m.	1	2	3	4	2	3	1	16	2.2
9 to 10 p.m.	4	4	6	2	6	10	7	39	5.3
10 to 11 p.m.	4	4	2	1	4	4	2	21	2.9
11 to 12 p.m.	4	4	1	3	2	2	3	19	2.6
Not Stated	7	6	8	5	8	14	9	57	7.8
Total	86	99	105	102	114	119	106	731	
%	11.8	13.5	14.4	14.0	15.6	16.3	14.5	100.0	

* Excludes collisions in which Day of Week was unknown.

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	Total	% of Total Factors
Fatigued, Fell Asleep	1	0	0	1	0.1
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	27	17	2	46	6.2
Under Influence - Drugs	1	0	0	1	0.1
Sudden Illness, Lost Consciousness	0	1	0	1	0.1
Other Driver Condition	0	0	0	0	0.0
Total	29	18	2	49	6.6

Collisions by Severity Where Human Action was a Major Contributing Factor

Figure 3.2

Human Action	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Following Too Closely	17	6	0	23	3.1
Distracted, Inattentive	71	15	0	86	11.7
Driving Too Fast for Conditions	80	17	0	97	13.1
Improper Turning or Passing	12	2	0	14	1.9
Failed to Yield Right-of-Way	29	11	0	40	5.4
Disobeyed Traffic Control/Officer	3	2	0	5	0.7
Driving on Wrong Side of Road	2	2	0	4	0.5
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	148	2	0	150	20.3
Lost Control	78	30	3	111	15.0
Other Driver Action	0	0	0	0	0.0
Total	440	87	3	530	71.8

Collisions by Severity Where Vehicle Condition was a Major Contributing Factor

Figure 3.3

Vehicle Condition	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Defective Brakes	1	0	0	1	0.1
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	0	0	0	0	0.0
Visibility Obstructed	0	0	0	0	0.0
Other Vehicle Contributing Factor	7	0	0	7	0.9
Total	8	0	0	8	1.1

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	Total	% of Total Factors
Animal on Roadway	21	2	0	23	3.1
Road Surface or Condition	14	2	0	16	2.2
Obstruction/Debris on Road	3	0	0	3	0.4
View Obstructed, Glare, Reflection	1	0	0	1	0.1
Weather or Other Acts of God	0	0	0	0	0.0
Other Environmental Factor	0	0	0	0	0.0
Total	39	4	0	43	5.8

Collisions by Severity Where Major Contributing Factor was Unspecified or Unknown

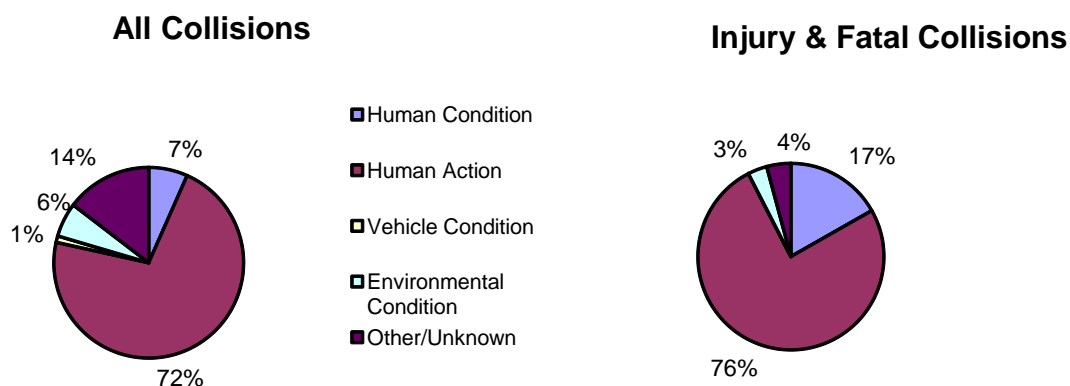
Figure 3.5

Factor	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Unspecified	1	0	0	1	0.1
Unknown	102	5	0	107	14.5
Total	103	5	0	108	14.6

Total All Factors	619	114	5	738	100.0
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Major Contributing Factors by Collision Severity

Figure 3.6



TCIS 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 Highways	In Communities	Rural	% of Total	
				Total	Factors
Fatigued, Fell Asleep	1	0	0	1	0.1
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	11	35	0	46	6.2
Under Influence - Drugs	0	1	0	1	0.1
Sudden Illness, Lost Consciousness	0	1	0	1	0.1
Other Driver Condition	0	0	0	0	0.0
Total	12	37	0	49	6.6

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

Figure 3.8

Human Action	NWT Highways	In Communities	Rural	% of Total	
				Total	Factors
Following Too Closely	5	18	0	23	3.1
Distracted, Inattentive	2	82	2	86	11.7
Driving Too Fast for Conditions	20	76	1	97	13.1
Improper Turning or Passing	1	13	0	14	1.9
Failed to Yield Right-of-Way	3	37	0	40	5.4
Disobeyed Traffic Control/Officer	0	5	0	5	0.7
Driving on Wrong Side of Road	0	4	0	4	0.5
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	2	146	2	150	20.3
Lost Control	69	41	1	111	15.0
Other Driver Action	0	0	0	0	0.0
Total	102	422	6	530	71.8

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

Figure 3.9

Vehicle Condition	NWT Highways	In Communities	Rural	% of Total	
				Total	Factors
Defective Brakes	1	0	0	1	0.1
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	0	0	0	0	0.0
Visibility Obstructed	0	0	0	0	0.0
Other Vehicle Contributing Factor	0	7	0	7	0.9
Total	1	7	0	8	1.1

Major Contributing Factors – Section 3

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

Figure 3.10

Environmental Condition	NWT Highways	In Communities	Rural	Total	% of Total Factors
Animal on Roadway	22	1	0	23	3.1
Road Surface or Condition	4	12	0	16	2.2
Obstruction/Debris on Road	3	0	0	3	0.4
View Obstructed, Glare, Reflection	0	1	0	1	0.1
Weather or Other Acts of God	0	0	0	0	0.0
Other Environmental Factor	0	0	0	0	0.0
Total	29	14	0	43	5.8

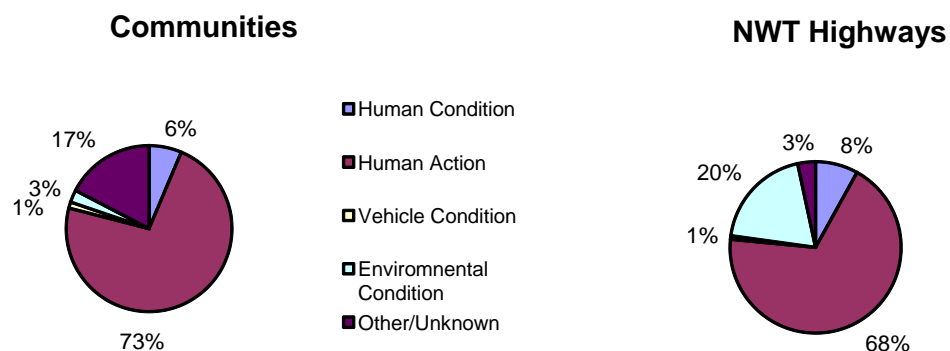
Collisions by Road System Where Major Contributing Factor was Unspecified or Unknown

Figure 3.11

Factor	NWT Highways	In Communities	Rural	Total	% of Total Factors
Unspecified	0	1	0	1	0.1
Unknown	5	100	2	107	14.5
Total	5	101	2	108	14.6
Total All Factors	149	581	8	738	100.0

Major Contributing Factors in Collisions - Communities and NWT Highways

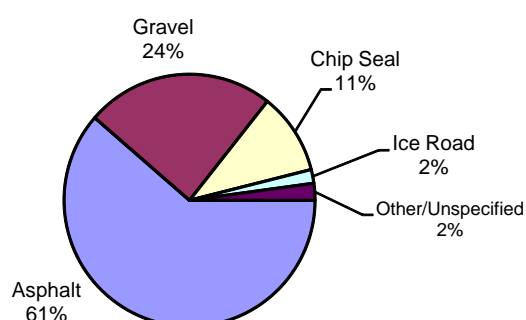
Figure 3.12



Collisions by Road Surface Type and Severity

Figure 4.1

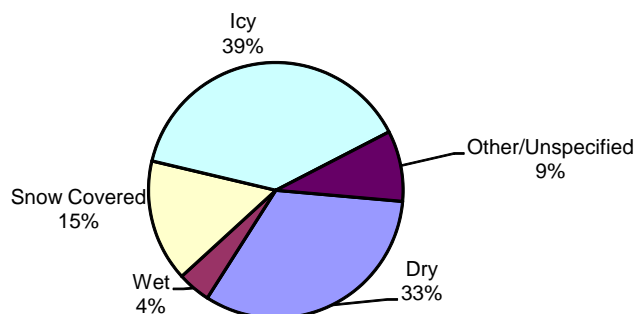
Road Surface Type	Property Damage	Personal Injury	Fatal	Total	%
Asphalt	395	56	2	453	61.4
Concrete	1	0	0	1	0.1
Gravel (Crushed Stone)	142	34	3	179	24.3
Earth, Dirt	1	1	0	2	0.3
Chip Seal	57	20	0	77	10.4
Brick, Cobblestone	0	0	0	0	0.0
Wooden	0	0	0	0	0.0
Steel	0	0	0	0	0.0
Ice Road	11	2	0	13	1.8
Unspecified	12	1	0	13	1.8
Total	619	114	5	738	100.0



Collisions by Road Surface Environmental Condition and Severity

Figure 4.2

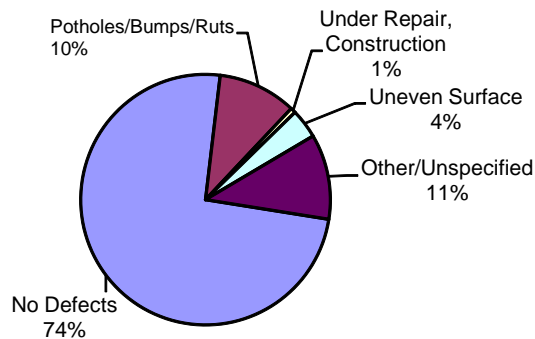
Surface Condition	Property Damage	Personal Injury	Fatal	Total	%
Dry	200	39	2	241	32.7
Wet	25	5	1	31	4.2
Snow (Fresh, Loose)	85	15	0	100	13.6
Slush, Wet Snow	14	0	0	14	1.9
Icy	243	42	1	286	38.8
Loose Sand/Gravel/Dirt	18	10	1	29	3.9
Muddy	1	0	0	1	0.1
Fresh Oil	0	0	0	0	0.0
Flooded	0	0	0	0	0.0
Other	5	2	0	7	0.9
Unspecified	28	1	0	29	3.9
Total	619	114	5	738	100



Collisions by Road Defect and Severity

Figure 4.3

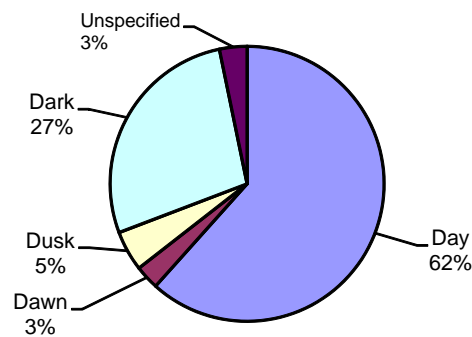
Road Defect	Property Damage	Personal Injury	Fatal	Total	%
No Defects	465	82	2	549	74.4
Potholes/Bumps/Ruts	59	15	1	75	10.2
Under Repair, Construction	4	1	0	5	0.7
Uneven Pavement Surface	20	7	1	28	3.8
Worn	20	3	0	23	3.1
Obscured or Faded Markings	0	0	0	0	0.0
Other	14	5	1	20	2.7
Unspecified	37	1	0	38	5.1
Total	619	114	5	738	100.0



Collisions by Light Condition and Severity

Figure 4.4

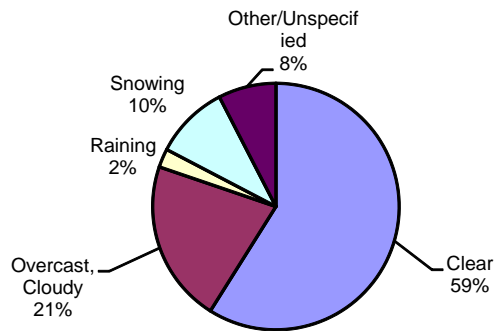
Light Condition	Property Damage	Personal Injury	Fatal	Total	%
Day	372	81	2	455	61.7
Dawn	16	4	1	21	2.8
Dusk	33	2	0	35	4.7
Dark	175	26	2	203	27.5
Unspecified	23	1	0	24	3.3
Total	619	114	5	738	100.0



Collisions by Weather Condition and Severity

Figure 4.5

Weather Condition	Property Damage	Personal Injury	Fatal	Total	%
Clear (Sunny)	361	72	2	435	58.9
Overcast, Cloudy (No Precipitation)	129	26	2	157	21.3
Raining	15	3	0	18	2.4
Snowing	59	12	1	72	9.8
Freezing Rain/Sleet/Hail	6	1	0	7	0.9
Visibility Limitations (fog, dust, etc.)	6	0	0	6	0.8
Strong Winds	2	0	0	2	0.3
Other	0	0	0	0	0.0
Unspecified	41	0	0	41	5.6
Total	619	114	5	738	100.0

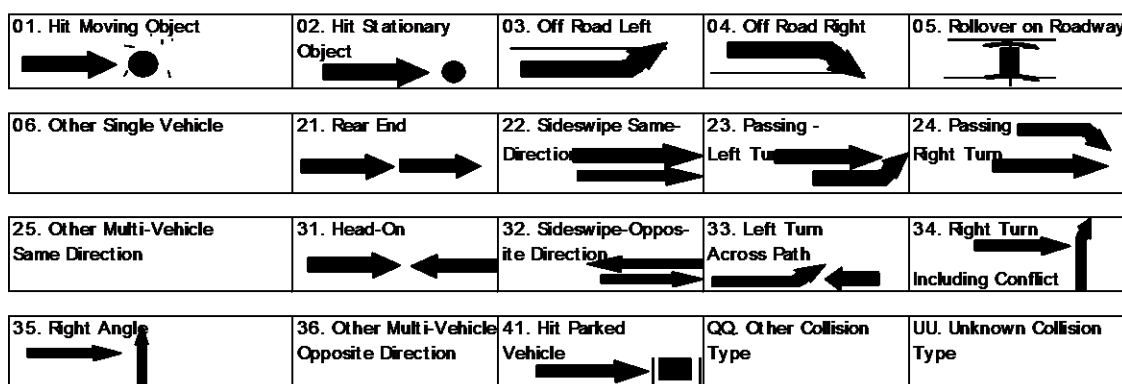


Collisions by Configuration and Severity

Figure 4.6

Configuration*	Property Damage	Personal Injury	Fatal	Total	% of Total
01. Hit Moving Object					
a) With Bison	17	2	0	19	2.6
b) With Other Animal	6	0	0	6	0.8
c) With Pedestrian	3	7	0	10	1.4
d) Other	1	1	0	2	0.3
02. Hit Stationary Object	52	6	0	58	7.9
03. Off Road Left					
a) With Rollover	10	11	1	22	3.0
b) No Rollover	15	4	0	19	2.6
04. Off Road Right					
a) With Rollover	21	12	3	36	4.9
b) No Rollover	23	4	0	27	3.7
05. Rollover on Roadway	1	8	0	9	1.2
06. Other Single Vehicle	4	2	0	6	0.8
21. Rear End	84	26	0	110	14.9
22. Sideswipe - Same Direction	10	0	0	10	1.4
23. Passing - Left Turn	3	1	0	4	0.5
24. Passing - Right Turn	5	0	0	5	0.7
25. Other Multi-Vehicle Same Direction	6	3	0	9	1.2
31. Head-On	8	4	1	13	1.8
32. Sideswipe - Opposite Direction	10	2	0	12	1.6
33. Left Turn Across Path	13	4	0	17	2.3
34. Right Turn Including Conflict	2	2	0	4	0.5
35. Right Angle	75	11	0	86	11.7
36. Other Multi-Vehicle Opposite Direction	18	2	0	20	2.7
41. Hit Parked Vehicle	232	2	0	234	31.7
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	619	114	5	738	100.0

***Collision Configurations**

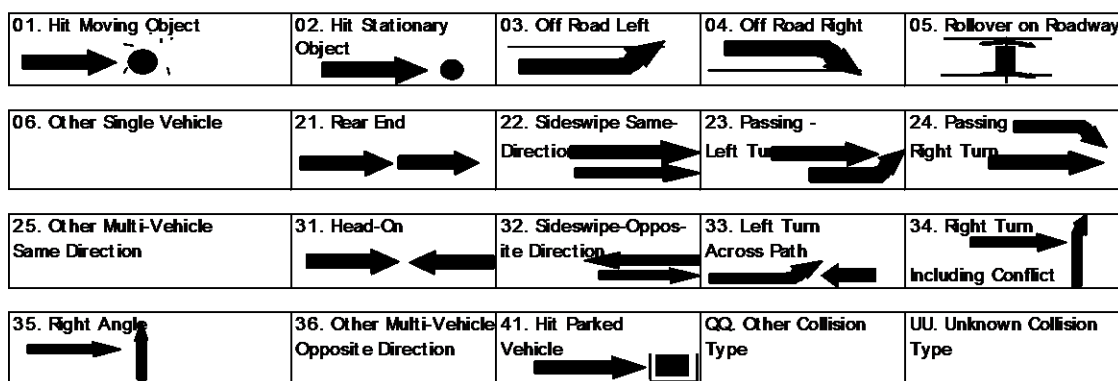


Collisions by Configuration and Road System

Figure 4.7

Configuration*	NWT Highways	In Communities	Rural	Total	% of Total
01. Hit Moving Object					
a) With Bison	19	0	0	19	2.6
b) With Other Animal	5	1	0	6	0.8
c) With Pedestrian	0	10	0	10	1.4
d) Other	1	1	0	2	0.3
02. Hit Stationary Object	4	52	2	58	7.9
03. Off Road Left					
a) With Rollover	20	2	0	22	3.0
b) No Rollover	15	4	0	19	2.6
04. Off Road Right					
a) With Rollover	31	5	0	36	4.9
b) No Rollover	18	9	0	27	3.7
05. Rollover on Roadway	7	2	0	9	1.2
06. Other Single Vehicle	0	6	0	6	0.8
21. Rear End	9	101	0	110	14.9
22. Sideswipe - Same Direction	0	10	0	10	1.4
23. Passing - Left Turn	1	3	0	4	0.5
24. Passing - Right Turn	0	5	0	5	0.7
25. Other Multi-Vehicle Same Direction	0	9	0	9	1.2
31. Head-On	3	9	1	13	1.8
32. Sideswipe - Opposite Direction	7	4	1	12	1.6
33. Left Turn Across Path	0	17	0	17	2.3
34. Right Turn Including Conflict	2	2	0	4	0.5
35. Right Angle	3	82	1	86	11.7
36. Other Multi-Vehicle Opposite Direction	1	19	0	20	2.7
41. Hit Parked Vehicle	3	228	3	234	31.7
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	149	581	8	738	100.0

***Collision Configurations**



Collisions by Collision Site and Severity

Figure 4.8

Collision Site	Property Damage	Personal Injury	Fatal	Total	%
Non-Intersection	289	59	5	353	47.8
Intersection - Two Public Roadways	126	39	0	165	22.4
Intersection - Parking Lot, Driveway	119	16	0	135	18.3
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	0	0	0	0	0.0
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	0	0	0	0	0.0
Other	77	0	0	77	10.4
Unknown	8	0	0	8	1.1
Total	619	114	5	738	100.0

Collisions by Collision Site and Road System

Figure 4.9

Collision Site	NWT Highways	In Communities	Rural	Total	%
Non-Intersection	132	218	3	353	47.8
Intersection - Two Public Roadways	13	152	0	165	22.4
Intersection - Parking Lot, Driveway	4	127	4	135	18.3
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	0	0	0	0	0.0
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	0	0	0	0	0.0
Other	0	76	1	77	10.4
Unknown	0	8	0	8	1.1
Total	149	581	8	738	100.0

Collisions by Roadway Alignment and Severity

Figure 4.10

Road Alignment	Property Damage	Personal Injury	Fatal	Total	%
Straight & Level	479	79	2	560	75.9
Straight with Grade	43	11	1	55	7.5
Curved and Level	35	10	2	47	6.4
Curve with Grade	28	9	0	37	5.0
Top of Hill or Grade	10	1	0	11	1.5
Bottom of Hill or Grade	5	2	0	7	0.9
Other	1	0	0	1	0.1
Unknown	18	2	0	20	2.7
Total	619	114	5	738	100.0

Environmental Factors – Section 4

Collisions by Roadway Type and Severity

Figure 4.11

Road Type	Property Damage	Personal Injury	Fatal	Total	%
One-Way, Two Lane	5	0	0	5	0.7
One-Way, Multi Lane	1	0	0	1	0.1
Undivided, Two-Way, Two Lane	368	104	5	477	64.6
Undivided, Two-Way, Multi Lane	23	4	0	27	3.7
Divided, Barrier Median	4	0	0	4	0.5
Divided with Median, No Barrier	26	6	0	32	4.3
Divided, Divider Unspecified	0	0	0	0	0.0
Other	184	0	0	184	24.9
Unknown	8	0	0	8	1.1
Total	619	114	5	738	100.0

Collision Sequence of Events by Severity

Figure 4.12

Non-Moving Objects	Property Damage	Personal Injury	Fatal	Total	%
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	1	0	0	1	0.1
Hit Building	2	0	0	2	0.3
Hit Ditch	0	0	0	0	0.0
Hit Embankment, Dirt Pile, Rock	2	0	0	2	0.3
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	5	0	0	5	0.7
Hit Curb	2	0	0	2	0.3
Hit Post	6	0	0	6	0.8
Hit Traffic Barrier	2	0	0	2	0.3
Hit Fixed Object Part of Road Structure	1	0	0	1	0.1
Hit Fixed Object NOT Part of Road Structure	7	0	0	7	0.9
Hit Other Type Fixed Object	2	1	0	3	0.4
Sub Total Fixed Objects	31	1	0	32	4.3
Moveable Objects					
Another Road Vehicle	466	57	1	524	71.0
Bison	17	2	0	19	2.6
Other Animal	6	0	0	6	0.8
Pedestrian	3	7	0	10	1.4
Other Moveable Object	1	1	0	2	0.3
Sub Total Moveable Objects	493	67	1	561	76.0
Non-Collision Events					
Ran Off Road	38	0	0	38	5.1
Rollover	32	31	4	67	9.1
Jack Knife or Trailer Swing	1	1	0	2	0.3
Fire or Explosion	0	0	0	0	0.0
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	0	0	0	0	0.0
Other Non-Collision Event	0	1	0	1	0.1
Sub Total Non-Collision Events	71	33	4	108	14.6
Other/Unknown Event	24	13	0	37	5.0
Grand Total	619	114	5	738	100.0

Collision Sequence of Events by Road System

Figure 4.13

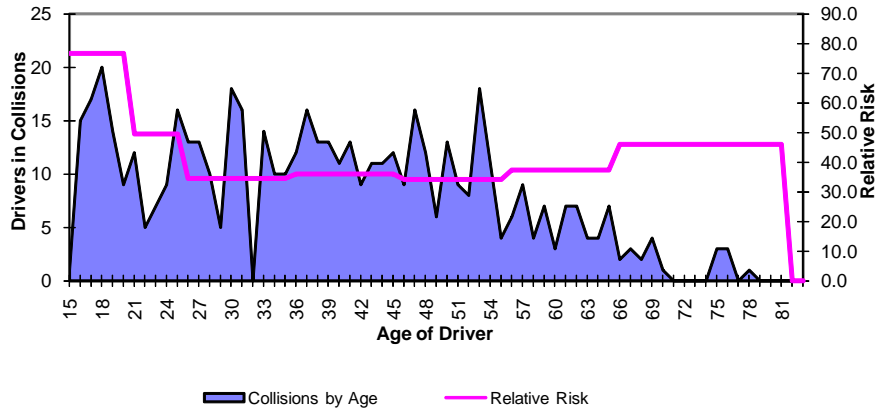
	NWT Highways	In Communities	Rural	Total	%
Non-Moving Objects					
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	0	1	0	1	0.1
Hit Building	0	2	0	2	0.3
Hit Ditch	0	0	0	0	0.0
Hit Embankment, Dirt Pile, Rock	1	1	0	2	0.3
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree, Bush, Hedge	0	0	1	1	0.1
Hit Utility Pole, Lamp Pole	0	5	0	5	0.7
Hit Curb	0	2	0	2	0.3
Hit Post	0	6	0	6	0.8
Hit Traffic Barrier	0	2	0	2	0.3
Hit Fixed Object Part of Road Structure	0	1	0	1	0.1
Hit Fixed Object NOT Part of Road Structure	1	6	0	7	0.9
Hit Other Type Fixed Object	0	3	0	3	0.4
Sub Total Fixed Objects	2	29	1	32	4.3
Moveable Objects					
Another Road Vehicle	29	489	6	524	71.0
Bison	19	0	0	19	2.6
Other Animal	5	1	0	6	0.8
Pedestrian	0	10	0	10	1.4
Other Moveable Object	1	1	0	2	0.3
Sub Total Moveable Objects	54	501	6	561	76.0
Non-Collision Events					
Ran Off Road	0	0	0	0	0.0
Rollover	58	9	0	67	9.1
Jack Knife or Trailer Swing	0	2	0	2	0.3
Fire or Explosion	0	0	0	0	0.0
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	0	0	0	0	0.0
Other Non-Collision Event	0	1	0	1	0.1
Sub Total Non-Collision Events	58	12	0	70	9.5
Unknown Event	35	39	1	75	10.2
Grand Total	149	581	8	738	100.0

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	127	1,334	2,283	5,566	5,814	5,485	2,943	890	0	24,442
Drivers in Collisions	25	87	113	192	209	187	110	41	93	1,057

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	52.0	36.8	28.2	31.1	28.8	32.3	40.4	35.9
Personal Injury & Fatal	24.6	12.7	6.3	4.8	5.3	5.1	5.6	7.4
Total	76.7	49.5	34.5	35.9	34.1	37.4	46.1	43.2
Relative Risk*	1.8	1.1	0.8	0.8	0.8	0.9	1.1	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 1.8 times more likely to be involved in a collision than the average driving population. On average, 8% of 15 to 19 year olds were involved in collisions, compared to 4% 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.

Number of Drivers Involved in Collisions by Licence Class and Age

Figure 5.3

Age Group	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Req'd. Licence	Not Stated	No	Total
Under 16	0	0	0	0	0	0	0	16	9	0	25
16	0	0	0	0	14	0	3	1	5	1	24
17	0	0	0	0	19	0	3	0	4	0	26
18	2	0	0	0	13	0	1	0	1	0	17
19	0	0	0	0	16	0	1	0	2	1	20
20	1	0	0	1	12	0	0	1	2	0	17
21-24	4	0	6	1	73	0	3	4	3	2	96
25-34	8	0	3	13	153	0	6	1	4	4	192
35-44	16	2	6	15	166	0	1	0	2	1	209
45-54	17	5	12	11	138	0	1	0	1	2	187
55-64	9	3	3	13	80	0	0	0	1	1	110
65 and over	0	1	1	6	33	0	0	0	0	0	41
Not Stated	0	0	0	0	0	0	0	1	0	92	93
Drivers in Collisions	57	11	31	60	717	0	19	24	34	104	1,057
Total Licensed Drivers	1,336	202	702	1,152	19,261	1	1,788	N/A	N/A	N/A	24,442
Relative Risk*	0.99	1.26	1.02	1.20	0.86	0.00	0.25	N/A	N/A	N/A	1.00

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

Number of Drivers Involved in Collisions by Condition and Age

Figure 5.4

Driver Condition	< 16	16	17	18	19	20	21-24	25-34	35-44	45-54	55-64	65+	Not Stated	Total	%
Apparently Normal	5	16	15	9	14	12	67	160	181	172	89	31	1	772	73.0
Fatigued, Fell Asleep	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0.1
Inexperience	15	5	5	4	2	3	6	3	2	0	0	0	0	45	4.3
Under Influence - Alcohol	1	3	4	3	2	2	9	11	5	2	2	2	0	46	4.4
Under Influence - Drugs	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0.1
Sudden Illness, Lost Consciousness	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0.1
Other Condition	0	0	0	0	0	0	0	0	1	0	5	0	0	6	0.6
Unknown	4	0	2	1	2	0	14	16	20	13	14	7	92	185	17.5
Total	25	24	26	17	20	17	96	192	209	187	110	41	93	1,057	
%	2.4	2.3	2.5	1.6	1.9	1.6	9.1	18.2	19.8	17.7	10.4	3.9	8.8		100.0

Number of Drivers Involved in Collisions by Driver Action and Age

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	%
	25	24	26	17	18	19	20	21-24	25-34	35-44	45-54	55-64	65+	Stated			
Driving Properly	3	5	3	0	4	4	6	18	43	72	76	40	14	2	286	27.1	
Following Too Closely	0	1	2	0	0	2	0	1	8	6	0	3	0	0	23	2.2	
Distracted, Inattentive	4	6	3	2	1	1	2	10	24	18	14	10	4	0	98	9.3	
Driving Too Fast	2	4	7	4	4	4	3	21	26	24	15	3	3	1	117	11.1	
Improper Turning or Passing	2	1	0	1	0	0	0	1	1	3	3	2	3	0	17	1.6	
Failing to Yield Right of Way	2	0	2	1	1	0	0	6	9	9	8	3	1	0	41	3.9	
Disobeying Traffic Control/Officer	2	1	0	0	0	0	0	1	1	0	1	1	0	0	7	0.7	
Driving on Wrong Side of Road	3	0	0	0	0	0	0	0	0	0	0	2	0	0	5	0.5	
Driving in Wrong Direction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Backing Unsafely	0	0	1	3	4	4	0	13	32	36	27	23	10	3	152	14.4	
Lost Control	3	4	6	3	3	3	4	15	30	30	24	11	2	1	136	12.9	
Other Driver Action	1	0	0	0	0	0	0	0	1	0	0	1	0	0	3	0.3	
Unknown	3	2	2	3	2	2	2	10	17	11	19	11	4	86	172	16.3	
Total	25	24	26	17	20	20	17	96	192	209	187	110	41	93	1,057		
%	2.4	2.3	2.5	1.6	1.9	1.9	1.6	9.1	18.2	19.8	17.7	10.4	3.9	8.8		100.0	

Number of Vehicles in Collisions by Vehicle Type and Severity

Figure 6.1

Vehicle Type	Property Damage	Personal Injury	Fatal	Total	%
Passenger Car	284	46	1	331	25.9
Passenger Van	108	7	0	115	9.0
Light Utility Vehicle	188	23	0	211	16.5
Pickup Truck	367	60	3	430	33.6
Panel/Cargo Van	15	5	0	20	1.6
Other Truck/Van <= 4536 kg	3	2	0	5	0.4
Unit Truck > 4536 kg	11	2	1	14	1.1
Road Tractor	25	4	1	30	2.3
School Bus	1	0	0	1	0.1
Small School Bus	0	0	0	0	0.0
Urban Transit Bus	0	0	0	0	0.0
Intercity Bus	0	0	0	0	0.0
Bus - Unspecified	0	0	0	0	0.0
Motorcycle	4	2	0	6	0.5
Limited Speed Motorcycle	0	0	0	0	0.0
Off Road Vehicles (ATV)	0	10	0	10	0.8
Bicycle	2	4	0	6	0.5
Motor Home	0	0	0	0	0.0
Farm Equipment	0	0	0	0	0.0
Construction Equipment	3	0	0	3	0.2
Fire Engine	0	0	0	0	0.0
Snowmobile	8	11	0	19	1.5
Streetcar	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	76	1	0	77	6.0
Total	1095	177	6	1278	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	881	133	2	1016	79.5
Defective Brakes	2	0	0	2	0.2
Defective Steering	1	0	1	2	0.2
Defective Lighting	0	1	0	1	0.1
Tire Blown Out	2	1	0	3	0.2
Unsecured Load, Spilled Load	0	0	0	0	0.0
Oversized Load, Overload	0	0	0	0	0.0
Visibility Obstructed	11	2	0	13	1.0
Other Defective Vehicular Parts	8	0	0	8	0.6
Other Vehicular Factor	2	0	0	2	0.2
Unknown	188	40	3	231	18.1
Total	1095	177	6	1278	100.0

Number of Vehicles in Collisions by Vehicle Manoeuvre and Severity

Figure 6.3

Vehicle Manoeuvre	Property Damage	Personal Injury	Fatal	Total	%
Going Straight Ahead	289	99	3	391	30.6
Turning Left	54	11	0	65	5.1
Turning Right	35	8	0	43	3.4
Making U-Turn	3	2	0	5	0.4
Changing Lanes	6	0	0	6	0.5
Merging	0	0	0	0	0.0
Reversing	168	2	0	170	13.3
Overtaking	7	2	0	9	0.7
Negotiating Curve	46	13	3	62	4.9
Slowing or Stopped in Traffic	137	30	0	167	13.1
Starting in Traffic	2	0	0	2	0.2
Leaving Roadside	8	2	0	10	0.8
Stopped/Parked Legally	228	4	0	232	18.2
Stopped/Parked Illegally	10	0	0	10	0.8
Swerving to Avoid Collision	14	4	0	18	1.4
Run-away or Roll-away Vehicle	7	0	0	7	0.5
Unspecified Manoeuvre	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	81	0	0	81	6.3
Total	1095	177	6	1278	100.0

Number of Vehicles in Collisions by Vehicle Year and Severity

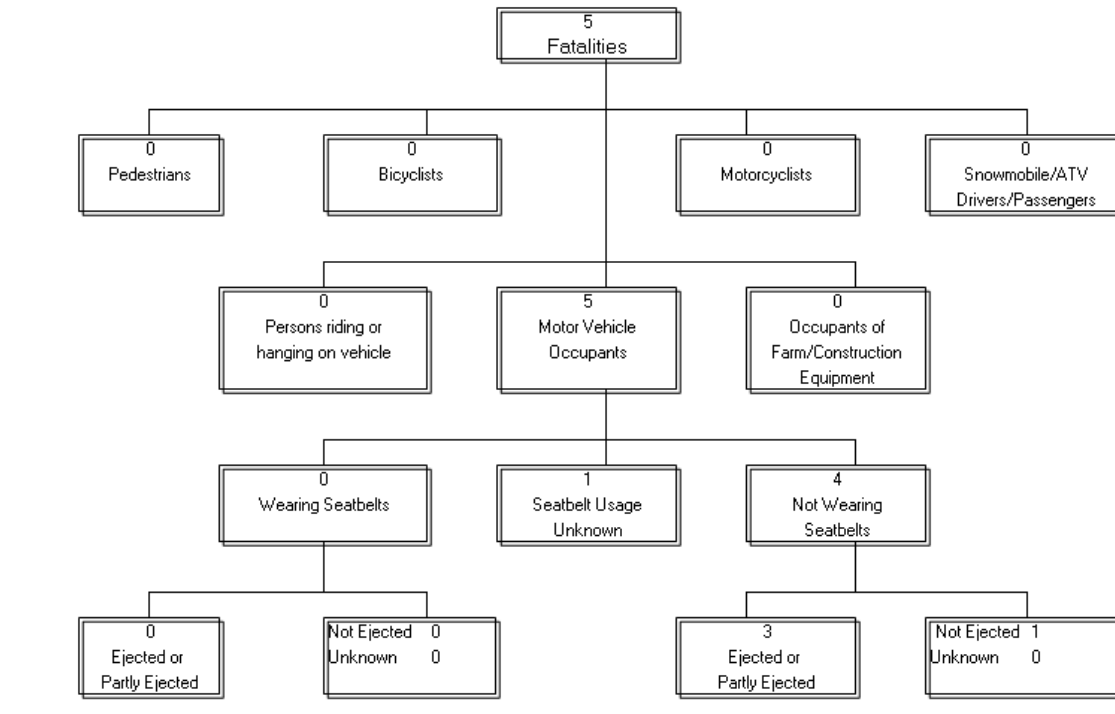
Figure 6.4

Model Year	Property Damage	Personal Injury	Fatal	Total	%
2008	17	3	1	21	1.6
2007	115	16	0	131	10.3
2006	122	14	0	136	10.6
2005	116	13	0	129	10.1
2004	77	11	0	88	6.9
2003	103	20	1	124	9.7
2002	61	15	0	76	5.9
2001	56	6	1	63	4.9
2000	50	7	0	57	4.5
1999	47	6	0	53	4.1
1998	35	4	1	40	3.1
1997	41	9	0	50	3.9
1996 & Older	163	31	2	196	15.3
Unspecified	92	22	0	114	8.9
Total	1095	177	6	1278	100.0

Victims and Occupant Restraints – Section 7

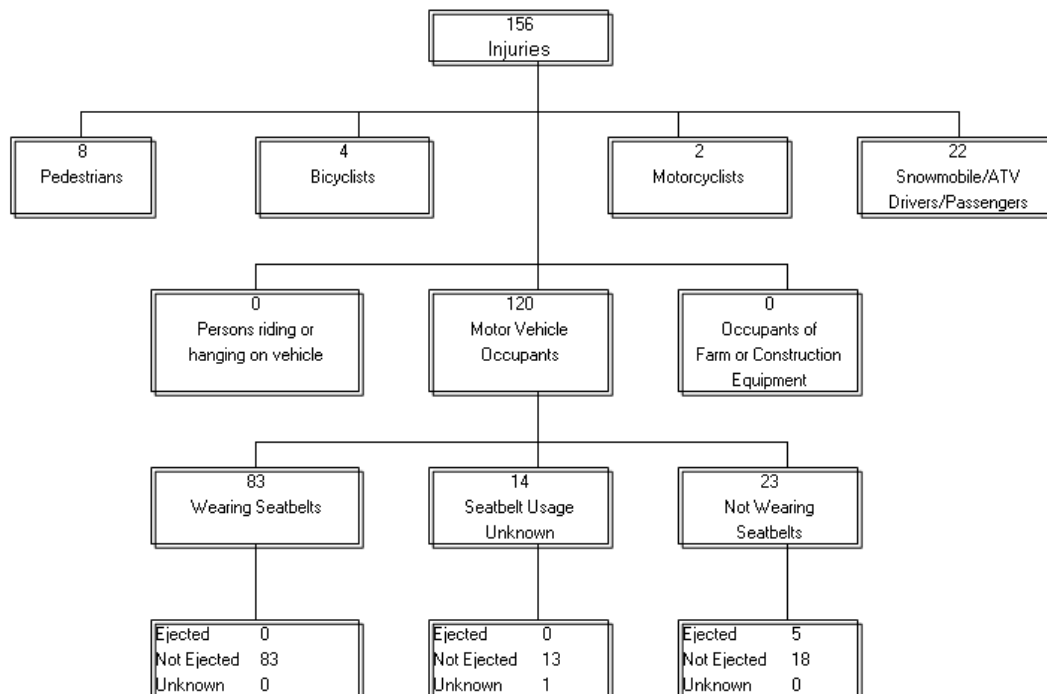
Fatalities Classification
(January 1 to December 31, 2007)

Figure 7.1



Injuries Classification
(January 1 to December 31, 2007)

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	8	12	11	16	15	12	4	1	79	50.6
Motor Vehicle Passenger	2	3	14	5	6	3	5	1	0	2	41	26.3
Pedestrian	0	0	1	0	0	1	3	1	2	0	8	5.1
Bicyclist	0	4	0	0	0	0	0	0	0	0	4	2.6
Motorcyclist (includes passengers)	0	0	1	0	0	1	0	0	0	0	2	1.3
ATV Operators & Passengers	0	2	2	2	1	1	0	0	0	0	8	5.1
Snowmobile Operators & Passengers	0	7	0	6	1	0	0	0	0	0	14	9.0
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	2	16	26	25	19	22	23	14	6	3	156	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	1	1	1	0	0	0	3	60.0
Motor Vehicle Passenger	0	0	0	1	1	0	0	0	0	0	2	40.0
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	0	0	0	0	0	0	0	0	0.0
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	1	2	1	1	0	0	0	5	###

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	48	31	0	79	3	0	0	3
Motor Vehicle Passenger	21	20	0	41	1	1	0	2
Pedestrian	2	6	0	8	0	0	0	0
Bicyclist	4	0	0	4	0	0	0	0
Motorcyclist (includes passengers)	2	0	0	2	0	0	0	0
ATV Operators & Passengers	5	3	0	8	0	0	0	0
Snowmobile Operators & Passengers	9	5	0	14	0	0	0	0
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	91	65	0	156	4	1	0	5

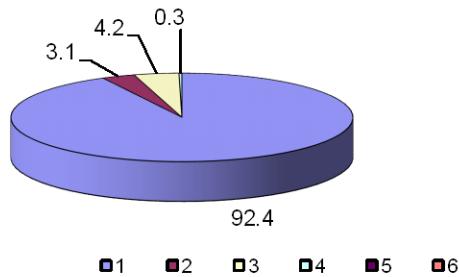
Motor Vehicle* Occupants by Injury Severity and Restraint Use

Figure 7.6

Injury Severity	Not Restrained	Lap Belt Only	Lap & Torso Belt	Child Restraint Device	Restraint Use Unknown	Total	%
Not Injured	46	10	967	25	345	1393	91.8
Minimal Injuries	7	0	33	1	11	52	3.4
Minor Injuries	10	0	46	0	2	58	3.8
Major (Hospital Admission)	6	0	3	0	0	9	0.6
Fatal	4	0	0	0	1	5	0.3
Injured - Extent Unknown	0	0	0	0	1	1	0.1
Total	73	10	1049	26	360	1518	100.0

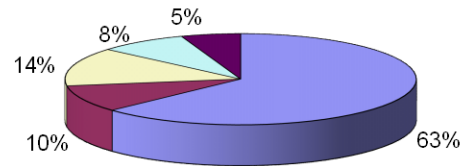
* Excludes occupants of motorcycles, mopeds, snowmobiles, all-terrain vehicles, and farm/construction equipment

Restraints Used



Restraints Not Used

Figure 7.7



Note: The totals used to calculate the percentages in Figures 7.2 and 7.3 do not include occupants where seat belt use was coded 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

Injury Severity	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
Not Injured	24	68	119	91	162	174	153	81	31	99	1002
Minimal Injuries	1	1	8	2	7	6	3	4	2	0	34
Minor Injuries	1	1	4	6	2	10	12	8	1	1	46
Major (Hospital Admission)	0	0	0	0	1	0	2	0	0	0	3
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	26	70	131	99	172	190	170	93	34	100	1085

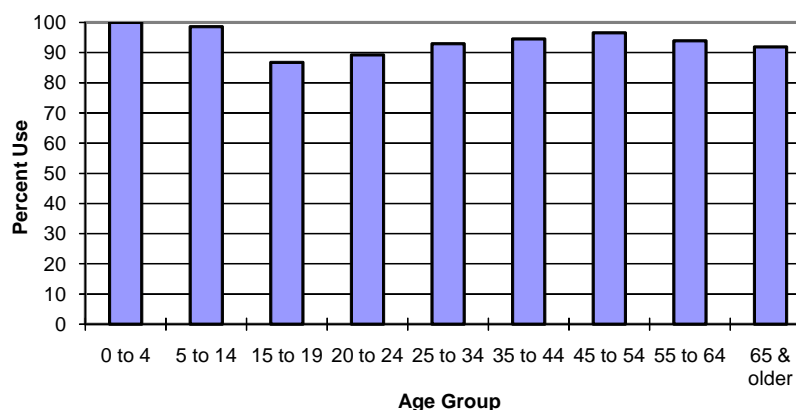
Restraints Not Used

Injury Severity	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
Not Injured	0	0	11	5	8	8	5	6	2	1	46
Minimal Injuries	0	1	3	3	0	0	0	0	0	0	7
Minor Injuries	0	0	4	3	1	1	1	0	0	0	10
Major (Hospital Admission)	0	0	2	0	2	1	0	0	1	0	6
Fatal	0	0	0	1	2	1	0	0	0	0	4
Injured - Extent Unknown	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	20	12	13	11	6	6	3	1	73

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

Victim Restraint Use Rate by Victim Age

Figure 7.9



Pedestrians Injured or Killed by Age Group

Figure 8.1

	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	%
Injured	0	0	1	0	0	1	3	1	2	0	8	100.0
Killed	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	0	0	1	0	0	1	3	1	2	0	8	
%	0.0	0.0	12.5	0.0	0.0	12.5	37.5	12.5	25.0	0.0	100.0	

Pedestrians Injured or Killed by Pedestrian Action and Age Group

Figure 8.2

Pedestrian Action	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	%
Crossing Intersection With Traffic Control, With Right-of-Way	0	0	1	0	0	1	3	0	1	0	6	75.0
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	0	0	0	0	1	0	1	12.5
On Sidewalk, Median, Safety Zone	0	0	0	0	0	0	0	1	0	0	1	12.5
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	0	0	0	0	0	0	0	0	0	0	0.0
Running into Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0
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
Living 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	0	0	0	0	0	0	0	0.0
Total	0	0	1	0	0	1	3	1	2	0	8	100.0

Pedestrians Injured or Killed By Place of Occurrence and Injury Severity

Figure 8.3

Place of Occurrence	Killed	Injured	Total	%
Urban	0	8	8	100.0
Rural	0	0	0	0.0
Unspecified	0	0	0	0.0
Total	0	8	8	100.0

Pedestrians Injured or Killed by Collision Site

Figure 8.4

Accident Site	Killed	Injured	Total	%
Non-Intersection	0	1	1	12.5
At Intersection of At Least Two Roadways	0	6	6	75.0
Intersection With Parking Lot/Driveway/Alley	0	1	1	12.5
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	0	0	0.0
Total	0	8	8	100.0

Pedestrians Injured or Killed by Pedestrian Condition

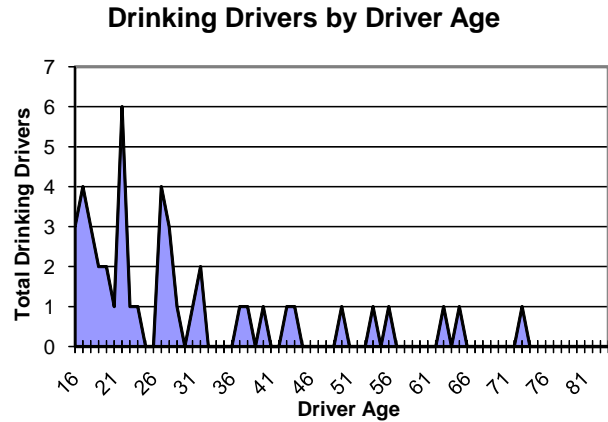
Figure 8.5

Pedestrian Condition	Killed	Injured	Total	%
Apparently Normal	0	6	6	75.0
Had Been Drinking	0	0	0	0.0
Impaired by Alcohol	0	0	0	0.0
Unknown	0	2	2	25.0
Total	0	8	8	100.0

Drinking Drivers in Collisions by Driver Age and Gender

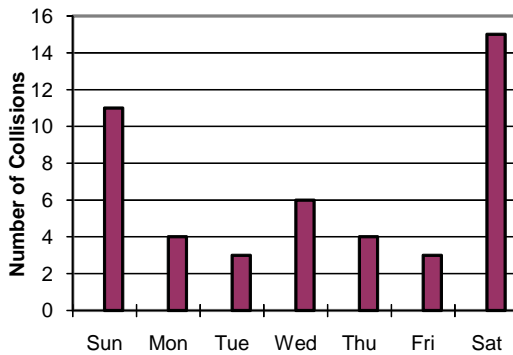
Figure 9.1

Driver Age	Male	Female	Not Stated	Total Drinking Drivers
Under 16	0	1	0	1
16	2	1	0	3
17	3	1	0	4
18	2	1	0	3
19	1	1	0	2
20	2	0	0	2
21 to 24	7	2	0	9
25 to 34	10	1	0	11
35 to 44	5	0	0	5
45 to 54	2	0	0	2
55 to 64	1	1	0	2
65 & Older	2	0	0	2
Not Stated	0	0	0	0
Total	37	9	0	46



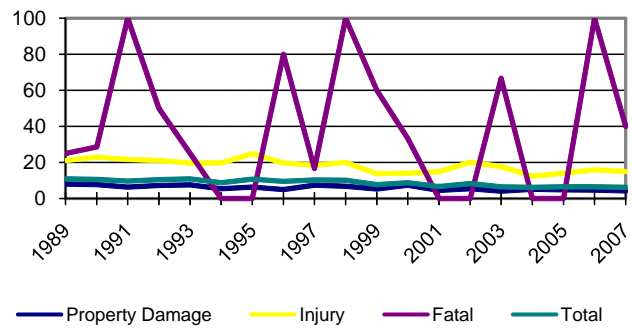
Collisions Involving Alcohol by Day of Week

Figure 9.2



Percentage of Collisions Involving Alcohol by Year and Severity

Figure 9.3



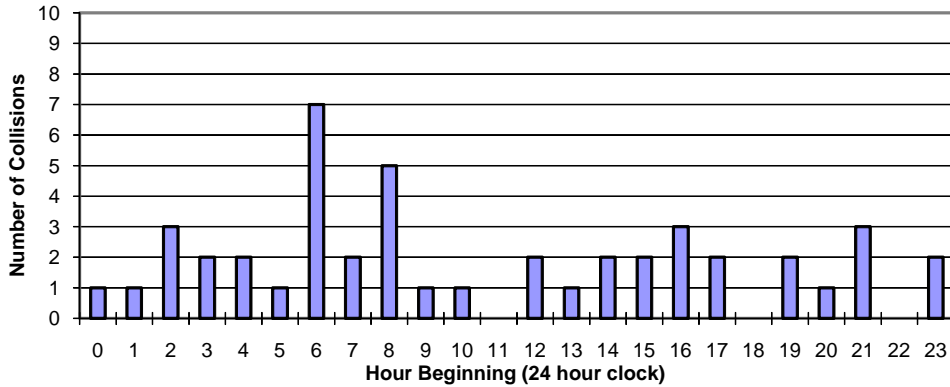
Number of Collisions and Victims Involving Alcohol

Figure 9.4

Year	Number of Collisions				% of Total Collisions	Number of Victims			
	Property Damage	Personal Injury	Fatal	Total		Injured	Killed	Total	% of Total Victims
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
2001	27	21	0	48	6.7	36	0	36	17.3
2002	36	31	0	67	8.3	59	0	59	25.1
2003	29	23	2	54	6.6	35	2	37	21.1
2004	36	14	0	50	6.3	21	0	21	13.6
2005	33	18	0	51	6.5	25	0	25	13.3
2006	27	14	3	44	6.7	19	3	22	19.1
2007	27	17	2	46	6.2	31	2	33	20.5
Average	32	21	1	54	7.7	36	2	38	19.2

Number of Alcohol Related Collisions by Time of Day

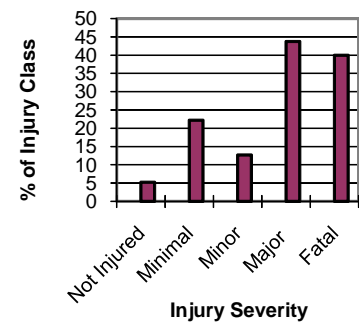
Figure 9.5



Injury Severity by Alcohol Involvement

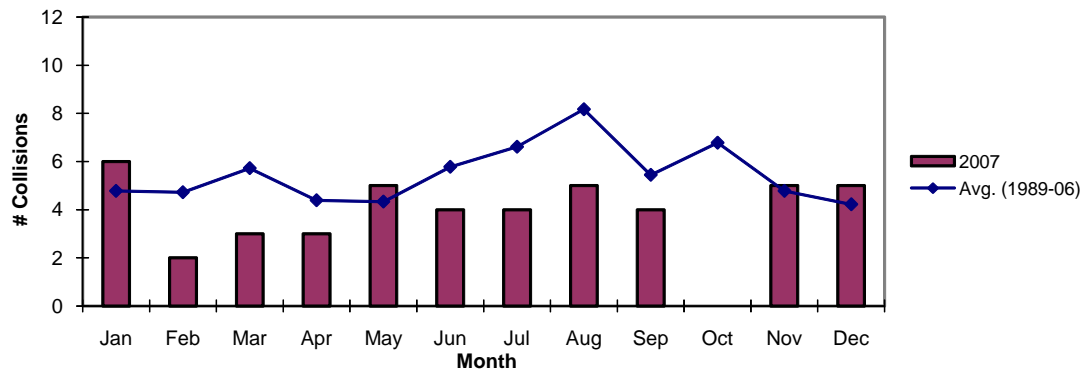
Figure 9.6

Injury Severity	Alcohol Involvement		Totals	% with Alcohol
	Yes	No		
Not Injured	74	1,346	1420	5.2
Minimal Injuries	14	49	63	22.2
Minor	9	62	71	12.7
Major	7	9	16	43.8
Fatal	2	3	5	40.0
Injured - Extent Unknown	1	5	6	16.7
Total	107	1474	1581	6.8



Alcohol-Involved Collisions by Month

Figure 9.7



Off-Road Vehicle Collisions by Month and Severity

Figure 10.1

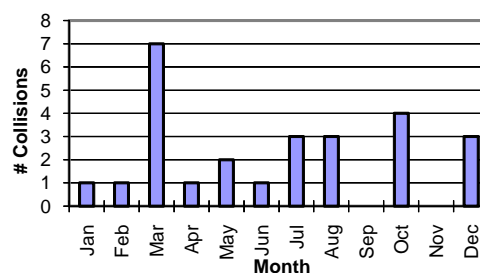
Month	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	0	1	0	1	1	0
February	0	1	0	1	1	0
March	5	2	0	7	6	0
April	0	1	0	1	1	0
May	0	2	0	2	3	0
June	0	1	0	1	1	0
July	0	3	0	3	3	0
August	0	3	0	3	4	0
September	0	0	0	0	0	0
October	1	3	0	4	4	0
November	0	0	0	0	0	0
December	2	1	0	3	1	0
Total	8	18	0	26	25	0

Off-Road Vehicle Collisions by Vehicle Type

Figure 10.2

	Snowmobile	ATV	Total
Total Victims	14	8	22
Killed	0	0	0
Injured	14	8	22
Total Vehicles Involved	19	10	29
Fatal	0	0	0
Injury	11	10	21
Property Damage	8	0	8

Off-Road Vehicle Collisions by Month



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	6	3	0	3	0	0	12	42.9
15 to 19	2	0	0	0	2	0	4	14.3
20 to 24	4	1	0	2	1	0	8	28.6
25 to 34	1	0	0	1	0	0	2	7.1
35 to 44	0	0	0	1	0	0	1	3.6
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	0	0	0	0	0	0	0	0.0
Unknown	0	0	1	0	0	0	1	3.6
Total	13	4	1	7	3	0	28	100.0

Off-Road Vehicle Collisions by Severity and Driver Condition

Figure 10.4

Driver Condition	Property Damage	Personal Injury	Fatal	Total %	
Apparently Normal	0	4	0	4	14.3
Fatigue/Fell Asleep	0	0	0	0	0.0
Inexperience	3	10	0	13	46.4
Under Influence - Alcohol	1	7	0	8	28.6
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	3	0	0	3	10.7
Total	7	21	0	28	100.0

Off-Road Vehicle Collisions by Severity and Driver Action

Figure 10.5

Driver Action	Property Damage	Personal Injury	Fatal	Total	%
Driving Properly	0	3	0	3	11.1
Following Too Closely	0	0	0	0	0.0
Distracted, Inattentive	0	4	0	4	14.8
Driving Too Fast for Conditions	3	3	0	6	22.2
Improper Turning or Passing	0	2	0	2	7.4
Failed to Yield Right-of-Way	0	0	0	0	0.0
Disobeyed Traffic Control or Officer	1	2	0	3	11.1
Driving on Wrong Side of Road	1	0	0	1	3.7
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	0	0	0	0.0
Lost Control	0	5	0	5	18.5
Other	0	0	0	0	0.0
Unknown	1	2	0	3	11.1
Total	6	21	0	27	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	12	3	18	45.0
Minimal Injuries	2	6	0	8	20.0
Minor Injuries	1	7	0	8	20.0
Major (Hospital Admission)	1	3	0	4	10.0
Fatal	0	0	0	0	0.0
Injured - Extent Unknown	0	2	0	2	5.0
Total	7	30	3	40	100.0

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	4	3	0	7	3	0
Deline	3	0	0	3	0	0
Fort Good Hope	3	5	0	8	8	0
Fort McPherson	9	5	1	15	6	1
Holman	2	1	0	3	1	0
Inuvik	59	10	0	69	14	0
Norman Wells	6	2	0	8	2	0
Sachs Harbour	0	0	0	0	0	0
Tuktoyaktuk	6	2	0	8	3	0
Tulita	5	0	0	5	0	0
Sub Total Inuvik Region	97	28	1	126	37	1

B - Fort Simpson Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Fort Liard	6	1	0	7	1	0
Fort Simpson	24	6	0	30	11	0
Sub Total Fort Simpson Region	30	7	0	37	12	0

C - South Slave Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Hay River	68	10	1	79	18	1
Fort Providence	17	7	0	24	11	0
Fort Resolution	2	1	0	3	2	0
Fort Smith	31	7	1	39	9	1
Lutsel K'e	0	0	0	0	0	0
Sub Total South Slave Region	118	25	2	145	40	2

D - North Slave Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Rae/Wha Ti	27	2	0	29	2	0
Yellowknife	347	52	2	401	65	2
Sub Total North Slave Region	374	54	2	430	67	2

Total - All Regions	619	114	5	738	156	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 (2007 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Aklavik	7	193	126	629	3.63	5.56	1.11
Deline	3	174	87	538	1.72	3.45	0.56
Fort Good Hope	8	201	144	730	3.98	5.56	1.10
Fort McPherson	15	307	269	968	4.89	5.58	1.55
Ulukhaktok	3	70	82	406	4.29	3.66	0.74
Inuvik	69	1,841	2,603	3,420	3.75	2.65	2.02
Norman Wells	8	494	792	948	1.62	1.01	0.84
Sachs Harbour	0	32	37	130	0.00	0.00	0.00
Tuktoyaktuk	8	307	273	1,280	2.61	2.93	0.63
Tulita	5	166	131	527	3.01	3.82	0.95
Sub Total							
Inuvik Region	126	3,785	4,544	9,576	3.33	2.77	1.32

B - Fort Simpson Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2007 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Fort Liard	7	216	245	591	3.24	2.86	1.18
Fort Simpson	30	881	1,028	1,634	3.41	2.92	1.84
Sub Total							
Fort Simpson Region	37	1,097	1,273	2,225	3.37	2.91	1.66

C - South Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2007 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Hay River	79	2,765	4,694	4,063	2.86	1.68	1.94
Fort Providence	24	255	357	802	9.41	6.72	2.99
Fort Resolution	3	246	290	510	1.22	1.03	0.59
Fort Smith	39	1,455	1,921	2,430	2.68	2.03	1.60
Lutsel K'e	0	90	78	379	0.00	0.00	0.00
Sub Total							
South Slave Region	145	4,811	7,340	8,184	3.01	1.98	1.77

D - North Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2007 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Behchoko/Whati	29	1,009	904	2,989	2.87	3.21	0.97
Yellowknife	401	13,740	16,017	19,378	2.92	2.50	2.07
Sub Total							
North Slave Region	430	14,749	16,921	22,367	2.92	2.54	1.92

Total - All Regions	738	24,442	30,078	42,637	3.02	2.45	1.73
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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
	0.0	6 Mar 2007	Property Damage	Rear End	0	0
	14.0	28 Jun 2007	Property Damage	Collision with Other Animal	0	0
	23.0	3 Mar 2007	Injury	Rear End	1	0
	70.0	13 Nov 2007	Injury	Single Vehicle Rollover	1	0
	82.0	28 Jan 2007	Property Damage	Ran Off Road - Left	0	0
	82.0	18 Feb 2007	Property Damage	Rear End	0	0
	83.0	30 Dec 2007	Injury	Single Vehicle Rollover	2	0
	140.0	12 Feb 2007	Property Damage	Ran Off Road - Left	0	0
	220.0	7 Jul 2007	Injury	Single Vehicle Rollover	1	0
	270.0	13 Jul 2007	Injury	Single Vehicle Rollover	1	0
	271.0	26 Oct 2007	Property Damage	Ran Off Road - Right	0	0
	300.0	20 Mar 2007	Injury	Single Vehicle Rollover	2	0
	316.0	4 Aug 2007	Injury	Single Vehicle Rollover	1	0
	323.0	27 Jan 2007	Property Damage	Ran Off Road - Left	0	0
	331.0	7 Jul 2007	Property Damage	Single Vehicle Rollover	0	0
	375.0	8 Apr 2007	Property Damage	Ran Off Road - Right	0	0
	390.0	8 Mar 2007	Property Damage	Rear End	0	0
	402.0	30 Sep 2007	Property Damage	Collision with Other Animal	0	0
	441.0	20 Oct 2007	Property Damage	Ran Off Road - Right	0	0
	441.4	29 Dec 2007	Injury	Single Vehicle Rollover	1	0
	469.8	13 Jan 2007	Injury	Ran Off Road - Right	4	0
	532.5	31 Jul 2007	Injury	Single Vehicle Rollover	2	0
	606.0	3 Jul 2007	Injury	Single Vehicle Rollover	1	0
	625.0	16 Sep 2007	Property Damage	Ran Off Road - Left	0	0
	670.0	22 Sep 2007	Property Damage	Collision with Fixed Object	0	0

Summary Highway #1	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	14	11	0	25	17	0

Highway #2 (Hay River)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	6.0	17 Dec 2007	Injury	Single Vehicle Rollover	1	0
	8.0	3 Feb 2007	Property Damage	Single Vehicle Rollover	0	0
	9.0	22 Jan 2007	Property Damage	Single Vehicle Rollover	0	0
	12.0	20 Jan 2007	Property Damage	Single Vehicle Rollover	0	0
	24.0	24 Mar 2007	Property Damage	Ran Off Road - Left	0	0
	26.5	24 Oct 2007	Property Damage	Single Vehicle Rollover	0	0
	33.0	23 Nov 2007	Injury	Single Vehicle Rollover	2	0
	36.1	25 Oct 2007	Property Damage	Ran Off Road - Left	0	0
	38.0	6 Feb 2007	Property Damage	Rear End	0	0
	38.2	17 Jul 2007	Property Damage	Right Angle	0	0
	38.8	19 Feb 2007	Property Damage	Other Multi-Vehicle Different Direction	0	0
	38.8	6 Jun 2007	Property Damage	Rear End	0	0
	39.5	3 Mar 2007	Injury	Right Turn - Perpendicular Road	1	0
	39.6	23 May 2007	Property Damage	Ran Off Road - Right	0	0
	41.6	6 Jul 2007	Property Damage	Passing - Left Turn	0	0
	44.0	28 Feb 2007	Property Damage	Collision with Parked Vehicle	0	0

Summary Highway #2	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	13	3	0	16	4	0

Geographic Distribution – Section 11

Highway #3 (Yellowknife)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	24.0	11 Mar 2007	Property Damage	Rear End	0	0
	24.0	20 Sep 2007	Property Damage	Collision with Parked Vehicle	0	0
	35.0	9 Oct 2007	Property Damage	Collision with Bison	0	0
	36.0	27 Dec 2007	Property Damage	Collision with Bison	0	0
	41.0	1 Oct 2007	Injury	Collision with Bison	1	0
	43.0	18 Jan 2007	Injury	Single Vehicle Rollover	1	0
	90.0	18 Sep 2007	Property Damage	Collision with Bison	0	0
	94.0	14 Mar 2007	Property Damage	Ran Off Road - Right	0	0
	112.0	21 Jan 2007	Property Damage	Collision with Bison	0	0
	115.0	29 Oct 2007	Property Damage	Collision with Bison	0	0
	132.0	7 Sep 2007	Property Damage	Collision with Other Animal	0	0
	145.0	5 Aug 2007	Property Damage	Collision with Bison	0	0
	230.0	17 Oct 2007	Property Damage	Collision with Bison	0	0
	237.0	1 Oct 2007	Property Damage	Collision with Bison	0	0
	239.0	10 Aug 2007	Property Damage	Ran Off Road - Right	0	0
	244.0	31 Oct 2007	Injury	Single Vehicle Rollover	1	0
	245.2	26 Jan 2007	Property Damage	Single Vehicle Rollover	0	0
	256.0	22 Apr 2007	Property Damage	Collision with Moving Object	0	0
	256.0	27 Oct 2007	Property Damage	Collision with Bison	0	0
	259.0	7 Jan 2007	Injury	Collision with Bison	1	0
	260.0	2 Feb 2007	Property Damage	Single Vehicle Rollover	0	0
	273.0	4 Jan 2007	Property Damage	Collision with Bison	0	0
	280.0	13 Dec 2007	Property Damage	Collision with Bison	0	0
	284.0	15 Feb 2007	Property Damage	Single Vehicle Rollover	0	0
	285.0	22 Feb 2007	Property Damage	Ran Off Road - Right	0	0
	304.0	1 Mar 2007	Property Damage	Ran Off Road - Right	0	0
	308.0	1 Feb 2007	Injury	Ran Off Road - Left	1	0
	313.0	22 Dec 2007	Property Damage	Ran Off Road - Left	0	0
	318.0	17 Feb 2007	Injury	Single Vehicle Rollover	1	0
	320.7	11 Sep 2007	Injury	Single Vehicle Rollover	1	0
	324.0	29 Oct 2007	Property Damage	Collision with Fixed Object	0	0
	324.2	8 Sep 2007	Injury	Sideswipe - Opposite Direction	1	0
	327.0	8 Feb 2007	Property Damage	Single Vehicle Rollover	0	0
	332.8	13 Feb 2007	Property Damage	Right Turn - Perpendicular Road	0	0
	334.5	13 Jul 2007	Fatal	Single Vehicle Rollover	1	1
	336.0	31 Jan 2007	Property Damage	Single Vehicle Rollover	0	0
	336.7	3 Jun 2007	Injury	Right Angle	2	0
	337.7	19 May 2007	Fatal	Single Vehicle Rollover	0	1
	338.0	29 Nov 2007	Property Damage	Single Vehicle Rollover	0	0
	338.0	17 Dec 2007	Injury	Head-on	1	0
	338.3	21 Dec 2007	Property Damage	Ran Off Road - Right	0	0
	338.5	21 Nov 2007	Property Damage	Sideswipe - Opposite Direction	0	0
Summary Highway #3	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	30	10	2	42	12	2

Geographic Distribution – Section 11

Highway #4 (Ingraham Trail)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	6.5	19 Feb 2007	Property Damage	Single Vehicle Rollover	0	0
	7.0	28 Jul 2007	Injury	Single Vehicle Rollover	2	0
	9.7	4 Nov 2007	Property Damage	Single Vehicle Rollover	0	0
	15.0	17 Mar 2007	Property Damage	Ran Off Road - Left	0	0
	17.5	6 Apr 2007	Property Damage	Ran Off Road - Right	0	0
	20.0	31 May 2007	Property Damage	Ran Off Road - Right	0	0
	25.0	8 Aug 2007	Injury	Ran Off Road - Right	1	0
	26.0	23 Jun 2007	Injury	Single Vehicle Rollover	3	0
	36.0	15 Feb 2007	Property Damage	Single Vehicle Rollover	0	0
	44.0	3 Jun 2007	Property Damage	Single Vehicle Rollover	0	0
	62.0	10 Feb 2007	Property Damage	Sideswipe - Opposite Direction	0	0

Summary Highway #4	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	8	3	0	11	6	0

Highway #5 (Fort Smith Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	100.0	10 Jul 2007	Injury	Single Vehicle Rollover	1	0
	105.0	14 Sep 2007	Property Damage	Collision with Bison	0	0
	138.0	2 Mar 2007	Injury	Rear End	1	0
	143.0	21 Aug 2007	Property Damage	Collision with Bison	0	0
	160.0	30 Jan 2007	Property Damage	Collision with Bison	0	0
	166.0	5 Nov 2007	Property Damage	Collision with Bison	0	0
	200.0	6 Nov 2007	Injury	Single Vehicle Rollover	2	0
	203.0	29 Dec 2007	Fatal	Head-on	1	1
	216.0	10 Jun 2007	Property Damage	Single Vehicle Rollover	0	0
	237.0	2 Apr 2007	Injury	Ran Off Road - Right	1	0
	259.0	13 Jan 2007	Property Damage	Collision with Other Animal	0	0
	265.0	1 Sep 2007	Property Damage	Ran Off Road - Right	0	0

Summary Highway #5	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	7	4	1	12	6	1

Highway #6 (Fort Resolution Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	12.0	16 Jun 2007	Injury	Single Vehicle Rollover	1	0
	18.0	17 Feb 2007	Property Damage	Ran Off Road - Left	0	0
	52.0	7 Jun 2007	Injury	Single Vehicle Rollover	2	0

Summary Highway #6	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	1	2	0	3	3	0

Geographic Distribution – Section 11

Highway #7 (Liard Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	6.8	23 Jun 2007	Injury	Ran Off Road - Left	1	0
	10.0	6 Mar 2007	Property Damage	Single Vehicle Rollover	0	0
	39.6	30 Jul 2007	Property Damage	Collision with Bison	0	0
	64.0	24 Jul 2007	Property Damage	Collision with Fixed Object	0	0
	88.0	10 Oct 2007	Property Damage	Collision with Other Animal	0	0
	110.0	18 Oct 2007	Property Damage	Single Vehicle Rollover	0	0
	208.0	4 Nov 2007	Property Damage	Single Vehicle Rollover	0	0

Summary Highway #7	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	6	1	0	7	1	0

Highway #8 (Dempster Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	14.0	27 Dec 2007	Injury	Ran Off Road - Right	1	0
	16.0	22 Sep 2007	Fatal	Single Vehicle Rollover	0	1
	39.0	9 Jul 2007	Property Damage	Collision with Parked Vehicle	0	0
	65.0	17 Dec 2007	Property Damage	Single Vehicle Rollover	0	0
	100.0	10 Jun 2007	Injury	Ran Off Road - Left	1	0
	110.0	20 Apr 2007	Property Damage	Single Vehicle Rollover	0	0
	139.6	11 Sep 2007	Injury	Single Vehicle Rollover	2	0
	150.0	7 Aug 2007	Property Damage	Single Vehicle Rollover	0	0
	160.0	10 Mar 2007	Property Damage	Single Vehicle Rollover	0	0
	169.0	20 Mar 2007	Injury	Single Vehicle Rollover	2	0
	172.0	6 Jul 2007	Property Damage	Single Vehicle Rollover	0	0
	231.0	16 Aug 2007	Property Damage	Ran Off Road - Right	0	0
	247.0	28 Aug 2007	Property Damage	Single Vehicle Rollover	0	0
	272.1	1 Aug 2007	Injury	Single Vehicle Rollover	1	0

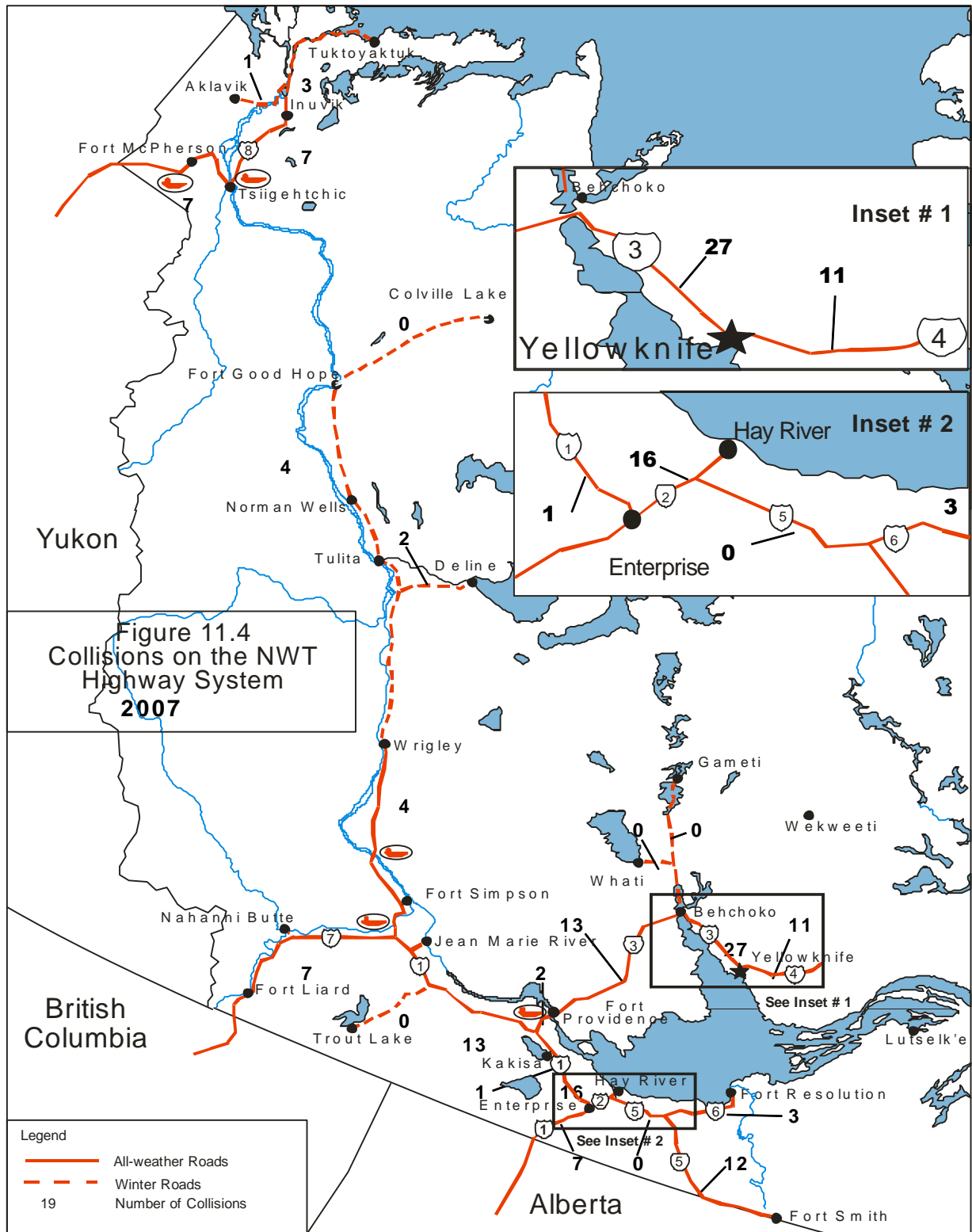
Summary Highway #8	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	8	5	1	14	7	1

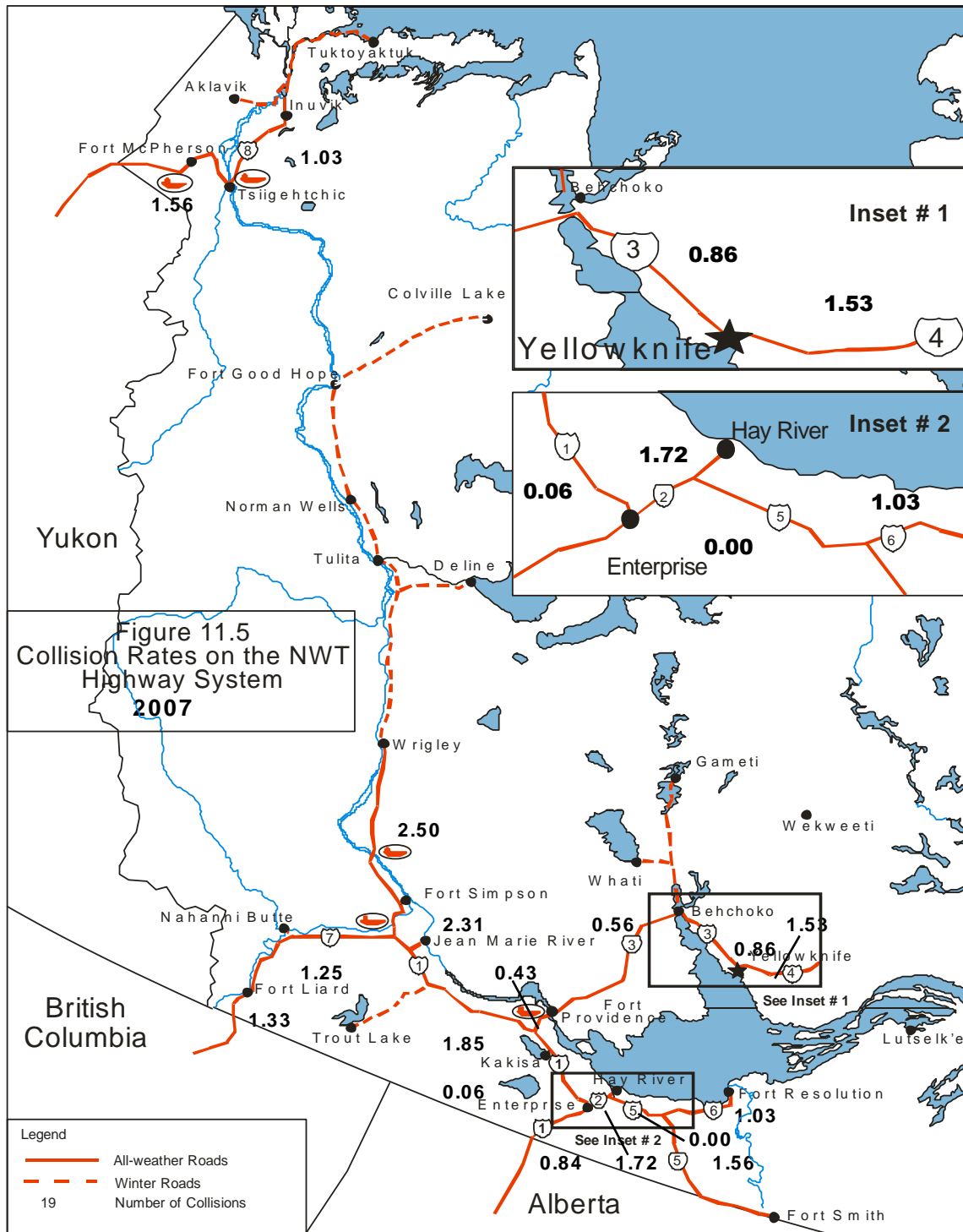
Geographic Distribution – Section 11

Access and Winter Roads	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
Fort Providence Access Road	14 Sep 2007	Property Damage	Collision with Bison	0	0
Hay River Reserve Access Road	8 Sep 2007	Fatal	Single Vehicle Rollover	3	1
Hay River Reserve Access Road	28 Sep 2007	Property Damage	Ran Off Road - Left	0	0
Hay River Reserve Access Road	24 Oct 2007	Property Damage	Single Vehicle Rollover	0	0
Rae Access Road	12 Jan 2007	Property Damage	Right Angle	0	0
Vee Lake Access Road	6 Apr 2007	Injury	Sideswipe - Opposite Direction	1	0
Vee Lake Access Road	7 Jun 2007	Property Damage	Ran Off Road - Right	0	0
Yellowknife Access Road	1 Feb 2007	Injury	Head-on	1	0
Yellowknife Access Road	28 Aug 2007	Property Damage	Collision with Fixed Object	0	0
Aklavik Winter Access Road	24 Feb 2007	Property Damage	Single Vehicle Rollover	0	0
Deline Winter Access Road	8 Mar 2007	Property Damage	Sideswipe - Opposite Direction	0	0
Deline Winter Access Road	19 Mar 2007	Property Damage	Sideswipe - Opposite Direction	0	0
Inuvik-tuktoyaktuk Winter Road	23 Jan 2007	Property Damage	Ran Off Road - Left	0	0
Inuvik-tuktoyaktuk Winter Road	16 Mar 2007	Property Damage	Single Vehicle Rollover	0	0
Inuvik-tuktoyaktuk Winter Road	16 Mar 2007	Injury	Single Vehicle Rollover	2	0
Mackenzie Highway Winter Road	16 Feb 2007	Property Damage	Rear End	0	0
Mackenzie Highway Winter Road	20 Feb 2007	Property Damage	Ran Off Road - Left	0	0
Mackenzie Highway Winter Road	18 Mar 2007	Property Damage	Sideswipe - Opposite Direction	0	0
Mackenzie Highway Winter Road	30 Mar 2007	Property Damage	Single Vehicle Rollover	0	0

Summary Access and Winter Roads	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	15	3	1	19	7	1

Summary All NWT Highways	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	102	42	5	149	63	5





National Comparison – Section 12

Casualty Rates by Canadian Jurisdiction - 2006 [1]

Figure 12.1

Province/ Territory	Casualty Rates					
	Per 100,000 Population		Per Billion Vehicle Kilometres [2]		Per 100,000 Licensed Drivers	
	Fatalities	Injuries	Fatalities	Injuries	Fatalities	Injuries
Canada	8.9	604.0	8.9	604	13.0	884.5
Newfoundland & Labrador	7.3	428.7	8.5	501	10.8	638.9
Prince Edward Island	18.8	604.2	25.0	804	26.8	863.9
Nova Scotia	9.2	513.4	8.4	471	13.0	726.8
New Brunswick	14.1	519.1	12.3	452	19.9	729.5
Quebec	9.4	649.9	10.3	711	14.8	1,027.1
Ontario	6.2	539.8	6.0	525	8.8	772.3
Manitoba	10.1	741.2	9.9	729	16.4	1,202.9
Saskatchewan	13.9	686.6	12.2	604	20.2	999.8
Alberta	13.4	769.1	10.0	571	17.9	1,027.8
British Columbia	9.6	586.0	12.9	790	14.0	855.3
Yukon	41.6	746.1	24.2	435	55.3	991.1
Northwest Territories	7.2	267.6	7.9	294	10.4	386.6
Nunavut	0.0	214.4	N/A	N/A	N/A	N/A

[1] Canadian Motor Vehicle Traffic Collision Statistics: 2006. Published by Transport Canada.

[2] Statistics Canada, Canadian Vehicle Survey. Catalogue No. 53-223-XIE.

Appendix A2 – Collision 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	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	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 99. Other UU, 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 99. 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 99. Other UU, Unknown	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 DESCRIPTION: Show Direction of Travel, Obstructions, Vehicle Movement, Travel Lane, Fixed Objects, Traffic Controls.						
17. WEATHER CONDITION 1. Clear and/or Sunny 2. Overcast, Cloudy - No Precipitation 3. Raining 4. Snowing, Not Including Drifting Snow 5. Freeze, 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	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 19. 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 99. 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 99. 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 99. Other UU, Unknown	52. 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 9. Other UU, Unknown	DIAGRAM Use Solid Direction Lines, Before Impact and Broken Lines After 						
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. Curved And Level 4. Curved With Grade 5. Top Of Hill/Gradient 6. Bottom Of Hill/Gradient 7. Other 8. Unknown	37. EMERGENCY USE 1. Yes 2. No N. Not an Emergency Vehicle 9. Other 10. 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 9. Other 10. Unknown	53. LOAD STATUS COMMERCIAL VEHICLES 1. Fully/Partially Loaded 2. Not Loaded N. Not a Commercial Vehicle 9. Other UU, Unknown	54. BLOOD ALCOHOL CONCENTRATION (100-500 BAC (mg%) of Driver) /Pedestrian 600. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected 610. Not Tested Due To Injury, Alcohol Use Suspected 620. Not Tested - Other Reasons, Alcohol Use Suspected 998. No Alcohol Suspected NN. Passenger UU, Unknown 99. Other UU, Unknown	55. 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 9. Other 10. 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 9. Other 10. 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 9. Other 10. Unknown	40. VEHICLE SPEED 000. Stopped In Traffic NN. 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 99. Other UU, Unknown	56. 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 9. Other 10. Unknown	57. 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 9. Other 10. Unknown
19. ARTIFICIAL LIGHT CONDITION 1. No Artificial Light 2. Artificial Light - On 3. Artificial Light - Off 4. Unknown	28. POSTED SPEED LIMIT UU. Unknown	35. VEHICLE TYPE 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	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 99. Other UU, 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 99. 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 99. Other UU, Unknown	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 DESCRIPTION: Show Direction of Travel, Obstructions, Vehicle Movement, Travel Lane, Fixed Objects, Traffic Controls.						
20. ROAD CLASSIFICATION I 1. Urban 2. Rural 3. Unknown	21. ROAD CLASSIFICATION II 1. Arterial 2. Collector 3. Local 4. Other (Parking Lot) 5. Unknown	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	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 99. Other UU, 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 99. 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 99. Other UU, Unknown	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 DESCRIPTION: Show Direction of Travel, Obstructions, Vehicle Movement, Travel Lane, Fixed Objects, Traffic Controls.						
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 9. Other 10. Unknown	28. POSTED SPEED LIMIT UU. Unknown	35. VEHICLE TYPE 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	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 99. Other UU, 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 99. 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 99. Other UU, Unknown	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 DESCRIPTION: Show Direction of Travel, Obstructions, Vehicle Movement, Travel Lane, Fixed Objects, Traffic Controls.						
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 9. Other 10. Unknown	28. POSTED SPEED LIMIT UU. Unknown	35. VEHICLE TYPE 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	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 99. Other UU, 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 99. 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 99. Other UU, Unknown	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 DESCRIPTION: Show Direction of Travel, Obstructions, Vehicle Movement, Travel Lane, Fixed Objects, Traffic Controls.						
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 9. Other 10. Unknown	28. POSTED SPEED LIMIT UU. Unknown	35. VEHICLE TYPE 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	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 99. Other UU, 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 99. 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 99. Other UU, Unknown	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 DESCRIPTION: Show Direction of Travel, Obstructions, Vehicle Movement, Travel Lane, Fixed Objects, Traffic Controls.						
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 9. Other 10. Unknown	28. POSTED SPEED LIMIT UU. Unknown	35. VEHICLE TYPE 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	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 99. Other UU, 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 99. 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 99. Other UU, Unknown	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 DESCRIPTION: Show Direction of Travel, Obstructions, Vehicle Movement, Travel Lane, Fixed Objects, Traffic Controls.						
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 9. Other 10. Unknown	28. POSTED SPEED LIMIT UU. Unknown	35. VEHICLE TYPE 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	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 99. Other UU, 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 2								

Appendix A3 – Brief Description of Fatal Collisions

The following is a brief description of the 5 fatal traffic collisions that took place in the Northwest Territories in 2007, resulting in 5 fatalities.

RCMP Detachment	Date	Description
Yellowknife	19-May	Single vehicle rollover involving a pickup truck on Highway #3 near Kilometre 338 within Yellowknife city limits. The alcohol-impaired driver was totally ejected and sustained fatal injuries. Excess speed was a factor.
Yellowknife	13-Jul	Single vehicle rollover involving a pickup truck on Highway #3 near Kilometre 335 within Yellowknife city limits. Both the driver and right front passenger were totally ejected. The passenger died at the scene while the driver was seriously injured. It is unknown if alcohol was involved.
Hay River	8-Sep	Single vehicle rollover involving a pickup truck on the Hay River Reserve Access Road. None of the 5 occupants were restrained. The right front passenger was totally ejected and sustained fatal injuries. The driver, who had been drinking, was not injured. The other 3 occupants suffered minor injuries.
Fort McPherson	22-Sep	Single vehicle rollover involving a gravel truck on Highway #8 near Kilometre 16. The unrestrained driver died at the scene. It is unknown if alcohol was involved.
Fort Smith	29-Dec	Head-on collision involving a passenger car and a straight truck transporting fuel on Highway #5 near Kilometre 203. The driver of the passenger car sustained fatal injuries while the driver of the straight truck sustained minor injuries. It is unknown if alcohol was involved or if either driver was restrained.