

1998 NWT Traffic Collision Facts

Department of Transportation
Road Licensing and Safety Division
May, 2001

Acknowledgements

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

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

1998 QUICK FACTS REPORT

1998 Compared to 1997

	<u>1997</u>	<u>1998</u>	<u>% Change</u>
PROPERTY DAMAGE ONLY COLLISIONS	443	452	2.0
PERSONAL INJURY COLLISIONS	151	135	-10.6
FATAL COLLISIONS	6	2	-66.7
TOTAL REPORTED COLLISIONS	600	589	-1.8
NUMBER OF PERSONS KILLED	8	2	-75.0
NUMBER OF PERSONS INJURED	221	196	-11.3
NWT HIGHWAY SYSTEM COLLISIONS	142	127	-10.6
RURAL COLLISIONS	12	8	-33.3
COLLISIONS IN COMMUNITIES	446	454	1.8
REGISTERED VEHICLES	21,956	22,201	1.1
LICENSED DRIVERS	20,850	21,112	1.3
NWT POPULATION [1]	41,800	41,100	-1.7
COLLISIONS PER 100 LICENSED DRIVERS	2.88	2.79	-3.1
COLLISIONS PER 100 REGISTERED VEHICLES	2.73	2.65	-2.9
COLLISIONS PER 100 POPULATION	1.44	1.43	-0.2
COLLISIONS INVOLVING ALCOHOL	62	60	-3.2

[1] 1997 and 1998 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 1999.

Introduction

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

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

TCIS Definitions

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

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

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

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

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

- (a) an aircraft or a marine vehicle,
- (b) a device that runs or is designed to run exclusively on rails,

- (c) a mechanically propelled wheelchair or mobility device.

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

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

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

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

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

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

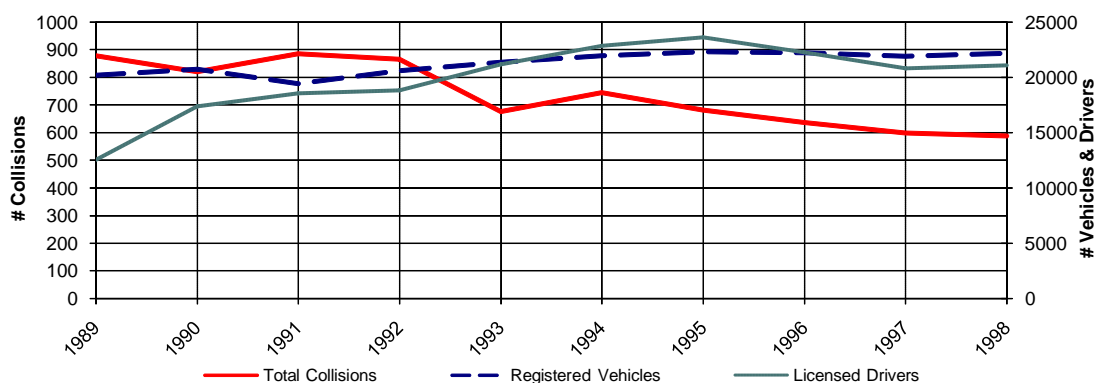
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Trends in Licensed Drivers, Registered Vehicles and Collisions

Figure 1.1

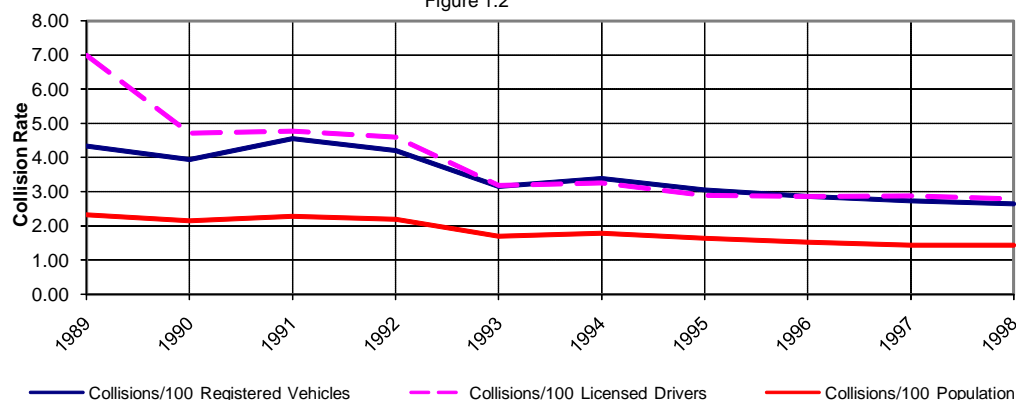


3 Year Summary

	1996	1997	1998	% Change
Registered Vehicles	22,278	21,956	22,201	1.1
Licensed Drivers	22,297	20,850	21,112	1.3
Total Collisions	638	600	589	-1.8

Trends in Collision Rates by Vehicles, Drivers and Population

Figure 1.2

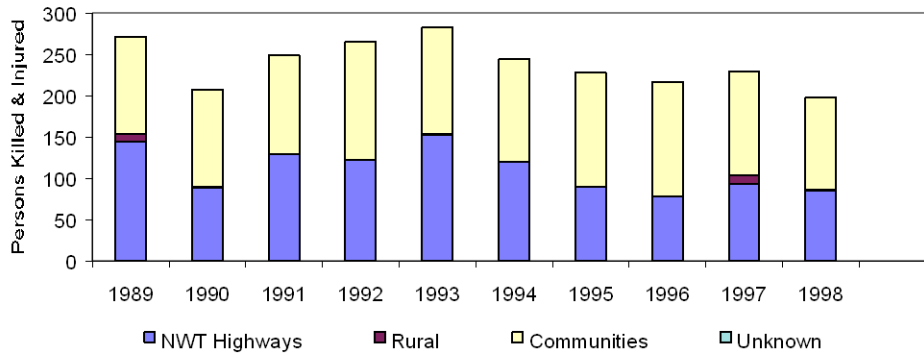


3 Year Summary

	1996	1997	1998	% Change
Collisions/100 Registered Vehicles	2.86	2.73	2.65	-2.9
Collisions/100 Licensed Drivers	2.86	2.88	2.79	-3.1
Collisions/100 Population	1.53	1.44	1.43	-0.2

Trends in Injuries & Fatalities

Figure 1.3

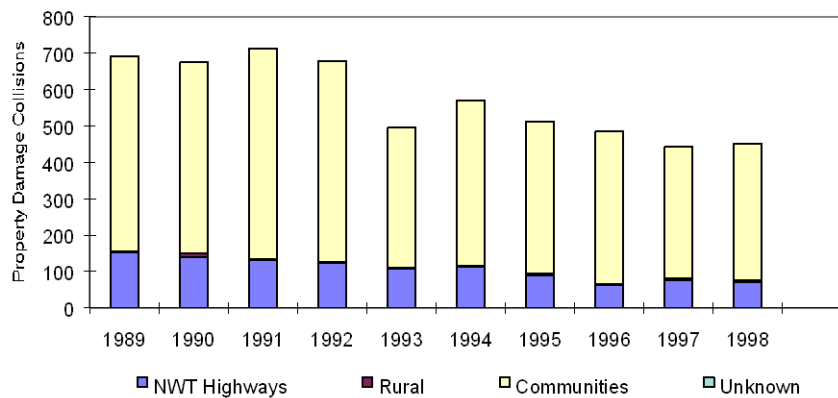


3 Year Summary

	Persons Injured				Persons Killed			
	1996	1997	1998	% Change	1996	1997	1998	% Change
NWT Highways	85	100	83	-17.0	6	6	2	-66.7
Rural	2	5	2	-60.0	0	1	0	-100.0
Communities	120	116	111	-4.3	4	1	0	-100.0
Total	207	221	196	-11.3	10	8	2	-75.0

Trends in Property Damage Collisions

Figure 1.4

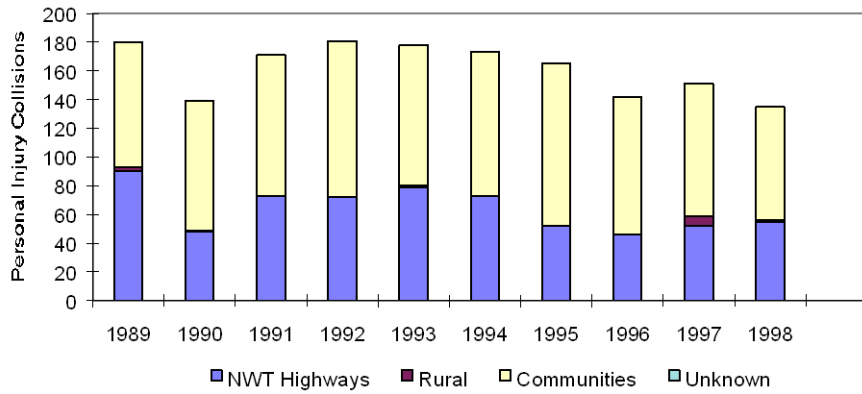


3 Year Summary

	Property Damage Collisions			
	1996	1997	1998	% Change
NWT Highways	70	78	70	-10.3
Rural	3	7	7	0.0
Communities	413	358	375	4.7
Total	486	443	452	2.0

Trends in Personal Injury Collisions

Figure 1.5

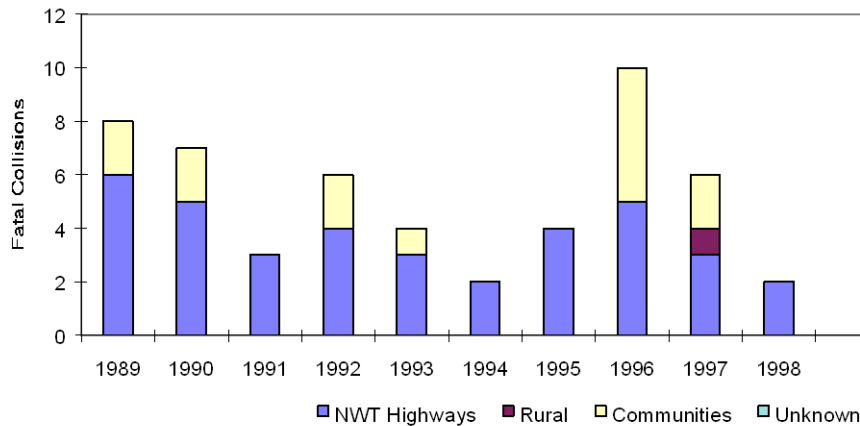


3 Year Summary

	Personal Injury Collisions			
	1996	1997	1998	% Change
NWT Highways	50	60	55	-8.3
Rural	2	4	1	-75.0
Communities	90	87	79	-9.2
Total	142	151	135	-10.6

Trends in Fatal Collisions

Figure 1.6

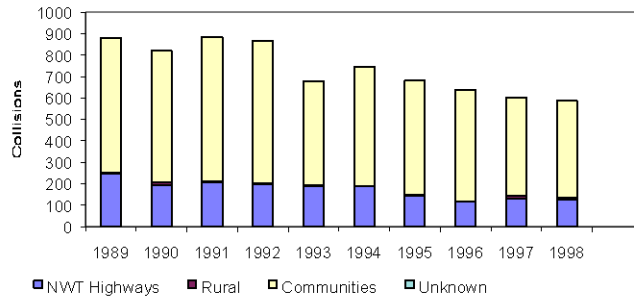


3 Year Summary

	Fatal Collisions			
	1996	1997	1998	% Change
NWT Highways	6	4	2	-50.0
Rural	0	1	0	-100.0
Communities	4	1	0	-100.0
Total	10	6	2	-66.7

Trends in All Reported Collisions

Figure 1.7



3 Year Summary

	1996	1997	1998	% Change
NWT Highways	126	142	127	-10.6
Rural	5	12	8	-33.3
Communities	507	446	454	1.8
Total	638	600	589	-1.8

Property Damage Collisions by Month and Year

Figure 1.8

	Avg. 89											
Month	1989	1990	1991	1992	1993	1994	1995	1996	1997	to 97	1998 % Change*	
January	66	63	86	74	46	52	50	54	53	60	64	5.9
February	66	66	72	68	56	72	46	59	45	61	46	-24.7
March	65	68	72	68	52	50	78	56	44	61	36	-41.4
April	51	30	48	59	30	32	32	31	26	38	22	-41.6
May	39	29	31	45	23	33	31	26	23	31	20	-35.7
June	39	44	57	35	23	31	24	32	32	35	29	-17.7
July	47	51	57	48	33	39	38	36	37	43	34	-20.7
August	47	54	42	51	35	42	39	24	37	41	34	-17.5
September	41	46	49	48	39	34	29	29	25	38	34	-10.0
October	76	69	65	65	52	59	38	56	48	59	39	-33.5
November	84	71	59	64	53	73	49	42	26	58	37	-36.1
December	70	84	74	54	53	53	59	41	47	59	57	-4.1
Total	691	675	712	679	495	570	513	486	443	585	452	-22.7

* % change is a comparison between 1998 and the 1989-97 average.

Personal Injury Collisions by Month and Year

Figure 1.9

Month	1989	1990	1991	1992	1993	1994	1995	1996	1997	Avg. 89 to 97	1998 % Change*	
January	13	8	15	19	16	11	16	15	13	14	10	-28.6
February	17	8	13	12	16	7	14	15	19	13	10	-25.6
March	14	15	17	12	16	9	20	10	16	14	11	-23.3
April	3	6	5	9	13	6	12	7	19	9	7	-21.3
May	11	5	16	12	13	9	11	7	11	11	4	-62.1
June	12	20	24	18	17	18	15	10	6	16	20	28.6
July	26	20	23	15	24	18	15	16	8	18	11	-40.0
August	17	14	16	18	9	23	18	11	16	16	14	-11.3
September	16	8	13	19	12	14	11	14	10	13	11	-15.4
October	18	15	14	16	16	20	10	15	14	15	17	10.9
November	19	7	5	13	14	19	12	9	10	12	8	-33.3
December	14	13	10	18	12	19	11	13	9	13	12	-9.2
Total	180	139	171	181	178	173	165	142	151	164	135	-17.9

Fatal Collisions by Month and Year

Figure 1.10

Month	1989	1990	1991	1992	1993	1994	1995	1996	1997	Avg. 89 to 97	1998 % Change*	
January	0	1	0	0	0	0	0	0	0	0.1	0	-100.0
February	0	0	0	0	0	0	0	0	0	0.0	0	-
March	0	0	0	0	1	0	0	2	2	0.6	0	-100.0
April	1	1	0	1	1	0	1	1	0	0.7	0	-100.0
May	1	0	0	0	0	1	0	1	1	0.4	0	-100.0
June	3	0	2	3	0	0	0	1	1	1.1	0	-100.0
July	1	2	0	0	1	0	1	1	1	0.8	0	-100.0
August	0	0	1	0	0	0	0	3	1	0.6	0	-100.0
September	0	0	0	0	0	0	1	0	0	0.1	1	800.0
October	0	2	0	1	0	1	0	1	0	0.6	1	80.0
November	1	0	0	1	1	0	1	0	0	0.4	0	-100.0
December	1	1	0	0	0	0	0	0	0	0.2	0	-100.0
Total	8	7	3	6	4	2	4	10	6	5.6	2	-64.0

* % change is a comparison between 1998 and the 1989-97 average.

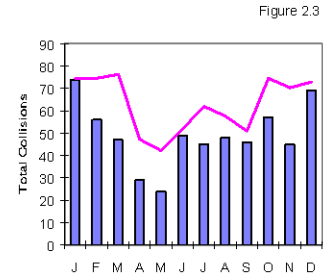
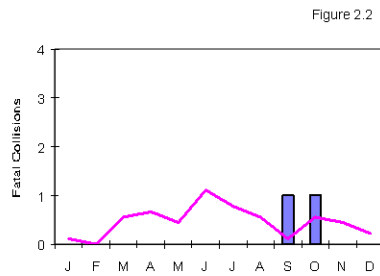
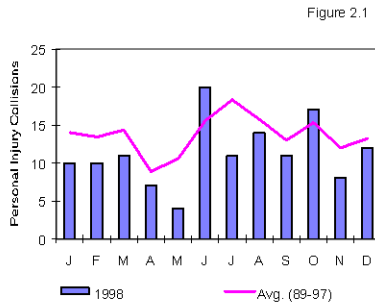
Total Collisions by Month and Year

Figure 1.11

Month	1989	1990	1991	1992	1993	1994	1995	1996	1997	Avg. 89 to 97	1998 % Change*	
January	79	72	101	93	62	63	66	69	66	75	74	-0.7
February	83	74	85	80	72	79	60	74	64	75	56	-24.9
March	79	83	89	80	69	59	98	68	62	76	47	-38.4
April	55	37	53	69	44	38	45	39	45	47	29	-38.6
May	51	34	47	57	36	43	42	34	35	42	24	-43.0
June	54	64	83	56	40	49	39	43	39	52	49	-5.6
July	74	73	80	63	58	57	54	53	46	62	45	-27.4
August	64	68	59	69	44	65	57	38	54	58	48	-16.6
September	57	54	62	67	51	48	41	43	35	51	46	-9.6
October	94	86	79	82	68	80	48	72	62	75	57	-23.5
November	104	78	64	78	68	92	62	51	36	70	45	-36.0
December	85	98	84	72	65	72	70	54	56	73	69	-5.3
Total	879	821	886	866	677	745	682	638	600	755	589	-22.0

* % change is a comparison between 1998 and the 1989-97 average.

Collisions by Month of Occurrence

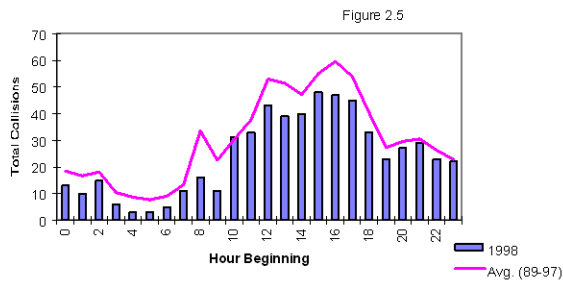


Collisions & Victims by Month of Occurrence

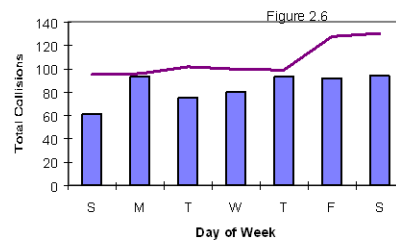
Figure 2.4

Month	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	64	10	0	74	14	0
February	46	10	0	56	13	0
March	36	11	0	47	16	0
April	22	7	0	29	11	0
May	20	4	0	24	6	0
June	29	20	0	49	27	0
July	34	11	0	45	21	0
August	34	14	0	48	16	0
September	34	11	1	46	19	1
October	39	17	1	57	25	1
November	37	8	0	45	12	0
December	57	12	0	69	16	0
Total	452	135	2	589	196	2

Total Collisions by Time of Day



Total Collisions by Day of Week



Time of Occurrence – Section 2

Collisions by Time of Day & Day of Week*

Figure 2.7

Collision Hour	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total	%
12 to 1 a.m.	1	3	1	1	2	2	3	13	2.2
1 to 2 a.m.	3	1	2	1	0	0	3	10	1.7
2 to 3 a.m.	5	0	0	1	1	1	7	15	2.6
3 to 4 a.m.	1	0	0	2	0	0	3	6	1.0
4 to 5 a.m.	1	0	0	0	0	0	2	3	0.5
5 to 6 a.m.	0	0	0	1	0	0	2	3	0.5
6 to 7 a.m.	2	2	0	0	0	0	1	5	0.9
7 to 8 a.m.	2	2	1	1	2	1	2	11	1.9
8 to 9 a.m.	1	1	2	2	6	2	2	16	2.7
9 to 10 a.m.	1	2	2	2	0	4	0	11	1.9
10 to 11 a.m.	3	6	5	4	6	3	4	31	5.3
11 to 12 a.m.	1	5	2	7	7	5	6	33	5.6
12 to 1 p.m.	3	5	4	4	7	14	6	43	7.3
1 to 2 p.m.	6	8	5	5	2	8	5	39	6.6
2 to 3 p.m.	3	8	5	7	6	8	3	40	6.8
3 to 4 p.m.	5	7	10	5	5	10	6	48	8.2
4 to 5 p.m.	1	9	6	8	11	4	8	47	8.0
5 to 6 p.m.	3	9	5	8	8	5	7	45	7.7
6 to 7 p.m.	5	6	6	3	7	2	4	33	5.6
7 to 8 p.m.	3	3	2	3	4	5	3	23	3.9
8 to 9 p.m.	2	4	3	4	6	6	2	27	4.6
9 to 10 p.m.	3	3	3	6	3	5	6	29	4.9
10 to 11 p.m.	3	5	2	1	5	4	3	23	3.9
11 to 12 p.m.	0	2	7	3	4	3	3	22	3.7
Not Stated	3	2	2	1	1	0	3	12	2.0
Total	61	93	75	80	93	92	94	588	
%	10.4	15.8	12.8	13.6	15.8	15.6	16.0	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	% of Total	
				Total	Factors
Fatigued, Fell Asleep	1	1	0	2	0.3
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	16	15	0	31	5.3
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	1	0	1	0.2
Other Driver Condition	0	0	0	0	0.0
Total	17	17	0	34	5.8

Collisions by Severity Where Human Action Was a Major Contributing Factor

Figure 3.2

Human Action	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Following Too Closely	27	12	0	39	6.6
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	25	14	0	39	6.6
Improper Turning or Passing	9	2	0	11	1.9
Failed to Yield Right-of-Way	49	20	0	69	11.7
Disobeyed Traffic Control/Officer	7	1	0	8	1.4
Driving on Wrong Side of Road	5	5	0	10	1.7
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	86	2	0	88	14.9
Lost Control	78	35	1	114	19.4
Other Driver Action	0	0	0	0	0.0
Total	286	91	1	378	64.2

Collisions by Severity Where Vehicle Condition Was a Major Contributing Factor

Figure 3.3

Vehicle Condition	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Defective Brakes	1	0	0	1	0.2
Defective Steering	0	0	0	0	0.0
Defective Lights	0	0	1	1	0.2
Tire Blown Out	0	4	0	4	0.7
Unsecured Load, Spilled Load	1	0	0	1	0.2
Oversized Load, Overload	1	0	0	1	0.2
Visibility Obstructed	3	2	0	5	0.8
Other Vehicle Contributing Factor	12	0	0	12	2.0
Total	18	6	1	25	4.2

Major Contributing Factors – Section 3

Collisions by Severity Where Environmental Condition Was a Major Contributing Factor

Figure 3.4

Environmental Condition	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Animal on Roadway	10	2	0	12	2.0
Road Surface or Condition	17	6	0	23	3.9
Obstruction/Debris on Road	10	1	0	11	1.9
View Obstructed, Glare, Reflection	0	0	0	0	0.0
Weather or Other Acts of God	0	0	0	0	0.0
Other Environmental Factor	0	0	0	0	0.0
Total	37	9	0	46	7.8

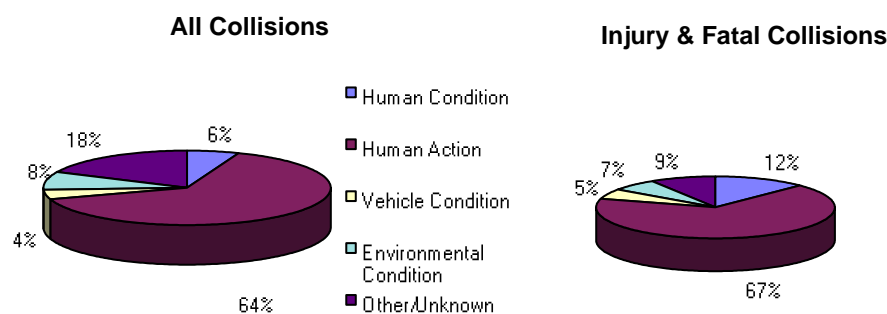
Collisions by Severity Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.5

Factor	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Unspecified	16	10	0	26	4.4
Unknown	78	2	0	80	13.6
Total	94	12	0	106	18.0
Total All Factors	452	135	2	589	100.0

Major Contributing Factors by Collision Severity

Figure 3.6



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

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

Major Contributing Factors – Section 3

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

Figure 3.7

Human Condition	NWT			% of Total	
	Highways	In Communities	Rural	Total	Factors
Fatigued, Fell Asleep	2	0	0	2	0.3
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	5	26	0	31	5.3
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	1	0	1	0.2
Other Driver Condition	0	0	0	0	0.0
Total	7	27	0	34	5.8

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

Figure 3.8

Human Action	NWT			% of Total	
	Highways	In Communities	Rural	Total	Factors
Following Too Closely	3	36	0	39	6.6
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	13	26	0	39	6.6
Improper Turning or Passing	4	7	0	11	1.9
Failed to Yield Right-of-Way	5	64	0	69	11.7
Disobeyed Traffic Control/Officer	0	8	0	8	1.4
Driving on Wrong Side of Road	2	7	1	10	1.7
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	88	0	88	14.9
Lost Control	54	58	2	114	19.4
Other Driver Action	0	0	0	0	0.0
Total	81	294	3	378	64.2

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

Figure 3.9

Vehicle Condition	NWT			% of Total	
	Highways	In Communities	Rural	Total	Factors
Defective Brakes	0	1	0	1	0.2
Defective Steering	0	0	0	0	0.0
Defective Lights	1	0	0	1	0.2
Tire Blown Out	3	1	0	4	0.7
Unsecured Load, Spilled Load	1	0	0	1	0.2
Oversized Load, Overload	0	1	0	1	0.2
Visibility Obstructed	1	4	0	5	0.8
Other Vehicle Contributing Factor	3	9	0	12	2.0
Total	9	16	0	25	4.2

Major Contributing Factors – Section 3

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

Figure 3.10

<u>Environmental Condition</u>	<u>NWT</u>			<u>% of Total</u>	
	<u>Highways</u>	<u>In Communities</u>	<u>Rural</u>	<u>Total</u>	<u>Factors</u>
Animal on Roadway	11	1	0	12	2.0
Road Surface or Condition	13	10	0	23	3.9
Obstruction/Debris on Road	3	8	0	11	1.9
View Obstructed, Glare, Reflection	0	0	0	0	0.0
Weather or Other Acts of God	0	0	0	0	0.0
Other Environmental Factor	0	0	0	0	0.0
Total	27	19	0	46	7.8

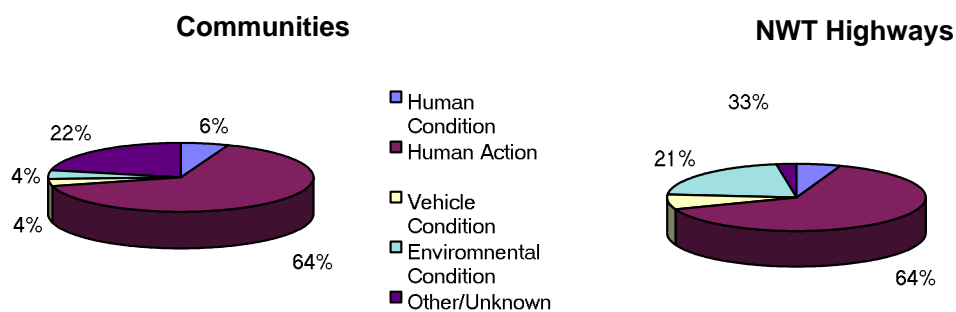
Collisions by Road System Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.11

<u>Factor</u>	<u>NWT</u>			<u>% of Total</u>	
	<u>Highways</u>	<u>In Communities</u>	<u>Rural</u>	<u>Total</u>	<u>Factors</u>
Unspecified	1	22	3	26	4.4
Unknown	2	76	2	80	13.6
Total	3	98	5	106	18.0
Total All Factors	127	454	8	589	100.0

Major Contributing Factors in Collisions - Communities and NWT Highways

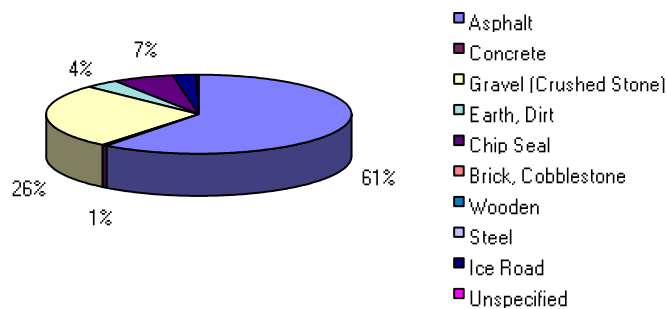
Figure 3.12



Collisions by Road Surface Type and Severity

Figure 4.1

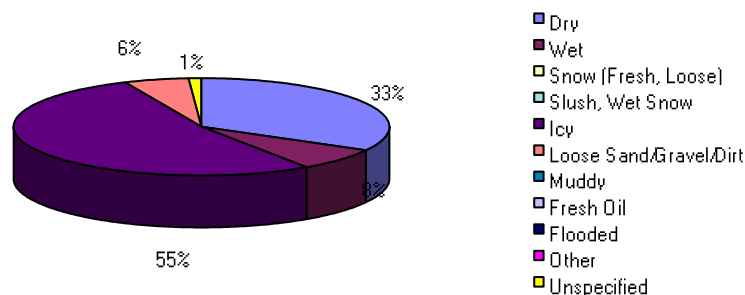
Road Surface Type	Property Damage	Personal Injury	Fatal	Total	%
Asphalt	290	65	0	355	60.3
Concrete	4	0	0	4	0.7
Gravel (Crushed Stone)	109	46	0	155	26.3
Earth, Dirt	14	7	0	21	3.6
Chip Seal	23	13	2	38	6.5
Brick, Cobblestone	0	0	0	0	0.0
Wooden	0	0	0	0	0.0
Steel	0	0	0	0	0.0
Ice Road	10	4	0	14	2.4
Unspecified	2	0	0	2	0.3
Total	452	135	2	589	100.0



Collisions by Road Surface Environmental Condition and Severity

Figure 4.2

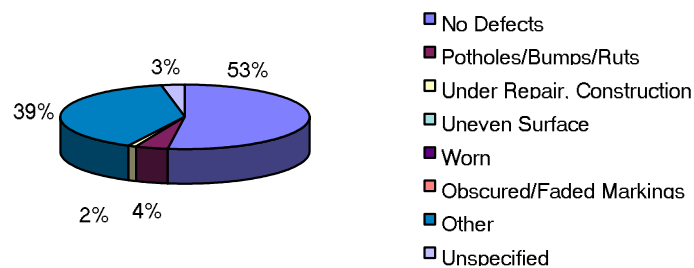
Surface Condition	Property Damage	Personal Injury	Fatal	Total	%
Dry	146	46	2	194	32.9
Wet	32	13	0	45	7.6
Snow (Fresh, Loose)	0	0	0	0	0.0
Slush, Wet Snow	0	0	0	0	0.0
Icy	249	61	0	310	52.6
Loose Sand/Gravel/Dirt	22	11	0	33	5.6
Muddy	0	0	0	0	0.0
Fresh Oil	0	1	0	1	0.2
Flooded	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unspecified	3	3	0	6	1.0
Total	452	135	2	589	100



Collisions by Road Defect and Severity

Figure 4.3

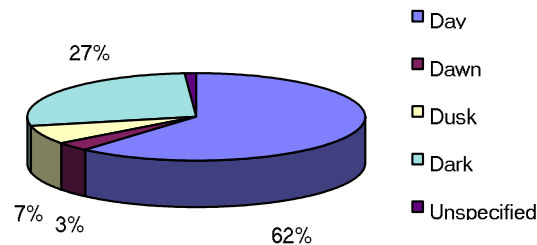
Road Defect	Property Damage	Personal Injury	Fatal	Total	%
No Defects	237	68	2	307	52.1
Potholes/Bumps/Ruts	13	12	0	25	4.2
Under Repair, Construction	3	4	0	7	1.2
Uneven Pavement Surface	0	0	0	0	0.0
Worn	0	0	0	0	0.0
Obscured or Faded Markings	0	0	0	0	0.0
Other	187	45	0	232	39.4
Unspecified	12	6	0	18	3.1
Total	452	135	2	589	100.0



Collisions by Light Condition and Severity

Figure 4.4

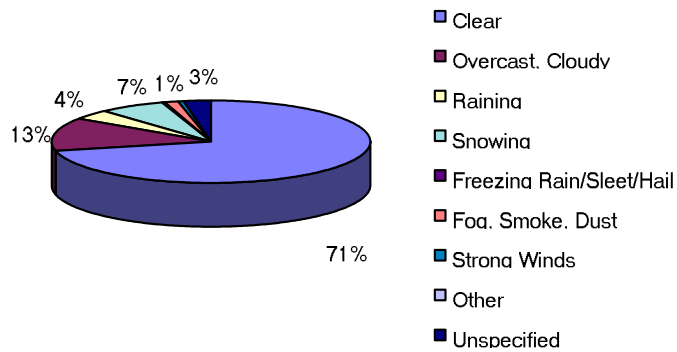
Light Condition	Property Damage	Personal Injury	Fatal	Total	%
Day	290	72	0	362	61.5
Dawn	17	3	0	20	3.4
Dusk	27	13	0	40	6.8
Dark	112	47	2	161	27.3
Unspecified	6	0	0	6	1.0
Total	452	135	2	589	100.0



Collisions by Weather Condition and Severity

Figure 4.5

Weather Condition	Property Damage	Personal Injury	Fatal	Total	%
Clear (Sunny)	328	90	2	420	71.3
Overcast, Cloudy (No Precipitation)	56	22	0	78	13.2
Raining	16	6	0	22	3.7
Snowing	27	13	0	40	6.8
Freezing Rain/Sleet/Hail	2	0	0	2	0.3
Visibility Limitations (fog, dust, etc.)	4	3	0	7	1.2
Strong Winds	3	0	0	3	0.5
Other	1	0	0	1	0.2
Unspecified	15	1	0	16	2.7
Total	452	135	2	589	100.0

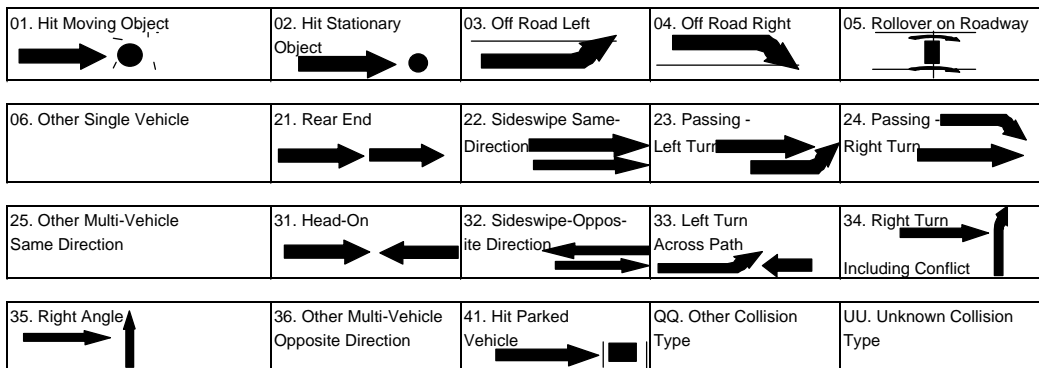


Collisions by Configuration and Severity

Figure 4.6

Configuration*	Property Damage	Personal Injury	Fatal	Total	% of Total
01. Hit Moving Object					
a) With Animal	10	2	0	12	2.0
b) With Pedestrian	0	17	0	17	2.9
c) Other	1	0	0	1	0.2
02. Hit Stationary Object	50	7	0	57	7.7
03. Off Road Left					
a) With Rollover	4	11	1	16	2.7
b) No Rollover	4	3	0	7	1.2
04. Off Road Right					
a) With Rollover	16	26	0	42	7.1
b) No Rollover	12	10	0	22	3.7
05. Rollover on Roadway	3	2	0	5	0.8
06. Other Single Vehicle	1	2	0	3	0.5
21. Rear End	55	18	0	73	12.4
22. Sideswipe - Same Direction	10	4	0	14	2.4
23. Passing - Left Turn	0	1	0	1	0.2
24. Passing - Right Turn	3	0	0	3	0.5
25. Other Multi-Vehicle Same Direction	0	0	0	0	0.0
31. Head-On	1	2	0	3	0.5
32. Sideswipe - Opposite Direction	15	5	0	20	3.4
33. Left Turn Across Path	12	5	0	17	2.9
34. Right Turn Including Conflict	5	1	0	6	1.0
35. Right Angle	65	14	0	79	13.4
36. Other Multi-Vehicle Opposite Direction	22	2	0	24	4.1
41. Hit Parked Vehicle	159	3	1	163	27.7
QQ. Other Collision Type	4	0	0	4	0.7
UU. Unknown Collision Type	0	0	0	0	0.0
Total	452	135	2	589	100.0

***Collision Configurations**



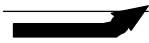


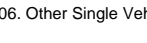
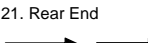
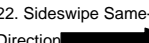
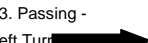
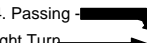
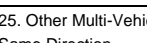
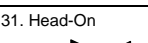
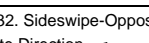
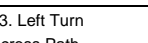
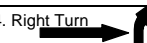

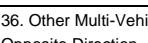
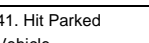
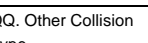
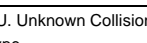


Collisions by Configuration and Road System

Figure 4.7

Configuration*	NWT Highways	In Communities	Rural	Total	% of Total
01. Hit Moving Object					
a) With Animal	12	0	0	12	2.0
b) With Pedestrian	1	16	0	17	2.9
c) Other	1	0	0	1	0.2
02. Hit Stationary Object	8	48	1	57	9.7
03. Off Road Left					
a) With Rollover	13	3	0	16	2.7
b) No Rollover	5	1	1	7	1.2
04. Off Road Right					
a) With Rollover	37	5	0	42	7.1
b) No Rollover	15	7	0	22	3.7
05. Rollover on Roadway	5	0	0	5	0.8
06. Other Single Vehicle	1	2	0	3	0.5
21. Rear End	7	64	2	73	12.4
22. Sideswipe - Same Direction	3	11	0	14	2.4
23. Passing - Left Turn	1	0	0	1	0.2
24. Passing - Right Turn	0	3	0	3	0.5
25. Other Multi-Vehicle Same Direction	0	0	0	0	0.0
31. Head-On	2	1	0	3	0.5
32. Sideswipe - Opposite Direction	4	14	2	20	3.4
33. Left Turn Across Path	1	16	0	17	2.9
34. Right Turn Including Conflict	2	4	0	6	1.0
35. Right Angle	3	76	0	79	13.4
36. Other Multi-Vehicle Opposite Direction	3	21	0	24	4.1
41. Hit Parked Vehicle	2	160	1	163	27.7
QQ. Other Collision Type	1	2	1	4	0.7
UU. Unknown Collision Type	0	0	0	0	0.0
Total	127	454	8	589	100.0

***Collision Configurations**

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

Collisions by Collision Site and Severity

Figure 4.8

Collision Site	Property Damage	Personal Injury	Fatal	Total	%
Non-Intersection	139	74	2	215	36.5
Intersection - Two Public Roadways	86	38	0	124	21.1
Intersection - Parking Lot, Driveway	89	18	0	107	18.2
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	3	2	0	5	0.8
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	1	0	0	1	0.2
Other	133	3	0	136	23.1
Unknown	1	0	0	1	0.2
Total	452	135	2	589	100.0

Collisions by Collision Site and Road System

Figure 4.9

Collision Site	NWT Highways	In Communities	Rural	Total	%
Non-Intersection	105	103	7	215	36.5
Intersection - Two Public Roadways	13	110	1	124	21.1
Intersection - Parking Lot, Driveway	3	104	0	107	18.2
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	5	0	0	5	0.8
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	1	0	0	1	0.2
Other	0	136	0	136	23.1
Unknown	0	1	0	1	0.2
Total	127	454	8	589	100.0

Collisions by Roadway Alignment and Severity

Figure 4.10

Road Alignment	Property Damage	Personal Injury	Fatal	Total	%
Straight & Level	359	82	1	442	75.0
Straight with Grade	33	11	0	44	7.5
Curved and Level	31	29	1	61	10.4
Curve with Grade	16	10	0	26	4.4
Top of Hill or Grade	10	3	0	13	2.2
Bottom of Hill or Grade	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	3	0	0	3	0.5
Total	452	135	2	589	100.0

Collisions by Roadway Type and Severity

Figure 4.11

Road Type	Property Damage	Personal Injury	Fatal	Total	%
One-Way, Two Lane	6	1	0	7	1.2
One-Way, Multi Lane	0	0	0	0	0.0
Undivided, Two-Way, Two Lane	281	121	2	404	68.6
Undivided, Two-Way, Multi Lane	0	0	0	0	0.0
Divided, Barrier Median	8	3	0	11	1.9
Divided with Median, No Barrier	0	0	0	0	0.0
Divided, Divider Unspecified	15	4	0	19	3.2
Other	141	6	0	147	25.0
Unknown	1	0	0	1	0.2
Total	452	135	2	589	100.0

Collision Sequence of Events by Severity

Figure 4.12

	Property Damage	Personal Injury	Fatal	Total	%
Non-Moving Objects					
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	0	0	0	0	0.0
Hit Building	7	0	0	7	1.2
Hit Ditch	1	0	0	1	0.2
Hit Embankment, Dirt Pile, Rock	8	0	0	8	1.4
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree, Bush, Hedge	4	1	0	5	0.8
Hit Utility Pole, Lamp Pole	13	4	0	17	2.9
Hit Curb	4	1	0	5	0.8
Hit Post	5	0	0	5	0.8
Hit Traffic Barrier	7	0	0	7	1.2
Hit Fixed Object Part of Road Structure	0	1	0	1	0.2
Hit Fixed Object NOT Part of Road Structure	1	0	0	1	0.2
Hit Other Type Fixed Object	0	0	0	0	0.0
Sub Total Fixed Objects	50	7	0	57	9.7
Moveable Objects					
Another Road Vehicle	347	55	1	403	68.4
Animal	10	2	0	12	2.0
Pedestrian	0	17	0	17	2.9
Other Moveable Object	1	0	0	1	0.2
Sub Total Moveable Objects	358	74	1	433	73.5
Non-Collision Events					
Ran Off Road	16	13	0	29	4.9
Rollover	23	39	1	63	10.7
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	1	0	0	1	0.2
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	0	0	0	0.0
Sub Total Non-Collision Events	40	52	1	93	15.8
Other/Unknown Event	4	2	0	6	1.0
Grand Total	452	135	2	589	100.0

Collision Sequence of Events by Road System

Figure 4.13

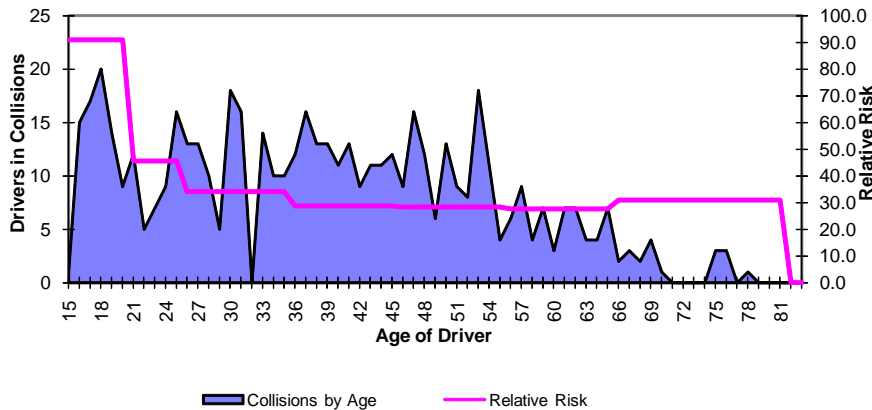
	NWT Highways	In Communities	Rural	Total	%
Non-Moving Objects					
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	0	0	0	0	0.0
Hit Building	0	7	0	7	1.2
Hit Ditch	1	0	0	1	0.2
Hit Embankment, Dirt Pile, Rock	4	3	1	8	1.4
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree, Bush, Hedge	0	5	0	5	0.8
Hit Utility Pole, Lamp Pole	0	17	0	17	2.9
Hit Curb	0	5	0	5	0.8
Hit Post	0	5	0	5	0.8
Hit Traffic Barrier	2	5	0	7	1.2
Hit Fixed Object Part of Road Structure	1	0	0	1	0.2
Hit Fixed Object NOT Part of Road Structure	0	1	0	1	0.2
Hit Other Type Fixed Object	0	0	0	0	0.0
Sub Total Fixed Objects	8	48	1	57	9.7
Moveable Objects					
Another Road Vehicle	28	370	5	403	68.4
Animal	12	0	0	12	2.0
Pedestrian	1	16	0	17	2.9
Other Moveable Object	1	0	0	1	0.2
Sub Total Moveable Objects	42	386	5	433	73.5
Non-Collision Events					
Ran Off Road	20	8	1	29	4.9
Rollover	55	8	0	63	10.7
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	1	0	0	1	0.2
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	0	0	0	0.0
Sub Total Non-Collision Events	76	16	1	93	15.8
Unknown Event	1	4	1	6	1.0
Grand Total	127	454	8	589	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	99	1,088	1,930	5,805	6,248	4,017	1,408	517	0	21,112
Drivers in Collisions	22	86	88	198	180	114	39	16	93	836

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	61.5	31.1	24.8	22.6	22.4	23.4	27.1	30.4
Personal Injury & Fatal	29.5	14.5	9.3	6.2	6.0	4.3	3.9	9.2
Total	91.0	45.6	34.1	28.8	28.4	27.7	30.9	39.6
Relative Risk*	2.3	1.2	0.9	0.7	0.7	0.7	0.8	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 2.3 times more likely to be involved in a collision than the average driving population. On average, 9% of 15 to 19 year olds were involved in collisions, compared to 3% of 35 to 44 year olds.

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

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	Class 7 Req'd.	Class Not	Class No	Class Not	Total
Under 16	0	0	0	0	0	0	0	14	8	0	0	22
16	0	0	0	0	14	0	0	1	0	0	0	15
17	0	0	0	0	15	0	0	2	3	0	0	20
18	0	0	0	0	22	0	1	2	2	0	0	27
19	1	0	0	1	19	0	1	1	1	0	0	24
20	0	0	0	0	6	0	1	1	4	0	0	12
21-24	5	0	1	2	59	0	1	1	6	1	0	76
25-34	6	3	5	16	149	0	2	5	7	5	0	198
35-44	19	2	11	11	129	0	0	2	3	3	0	180
45-54	14	1	2	8	79	0	1	1	2	6	0	114
55-64	6	1	1	5	24	0	0	0	0	2	0	39
65 and over	1	0	0	1	14	0	0	0	0	0	0	16
Not Stated	0	0	0	1	6	0	0	3	0	83	0	93
Drivers in Collisions	52	7	20	45	536	0	7	33	36	100	0	836
Total Licensed Drivers	1,121	205	673	943	16,958	5	1,207	N/A	N/A	N/A	N/A	21,112
Relative Risk*	1.17	0.86	0.75	1.21	0.80	0.00	0.15	N/A	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	21	14	16	25	23	7	61	168	164	104	37	14	7	661	79.1
Fatigued, Fell Asleep	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0.2
Inexperience	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Under Influence - Alcohol	1	0	2	2	0	4	11	21	12	6	0	0	2	61	7.3
Under Influence - Drugs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0	0	1	0	1	1	1	0	0	0	4	0.5
Other Condition	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0.1
Unknown	0	1	1	0	1	0	3	7	3	3	2	2	84	107	12.8
Total	22	15	20	27	24	12	76	198	180	114	39	16	93	836	
%	2.6	1.8	2.4	3.2	2.9	1.4	9.1	23.7	21.5	13.6	4.7	1.9	11.1		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	%
Driving Properly	4	4	7	8	7	3	22	74	68	53	9	1	4	264	31.6
Following Too Closely	0	2	0	2	3	1	10	10	7	8	1	1	0	45	5.4
<u>Distracted, Inattentive</u>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Driving Too Fast	3	2	3	4	2	1	8	9	7	2	4	2	2	49	5.9
Improper Turning or Passing	1	0	0	1	0	0	1	5	2	2	3	0	0	15	1.8
<u>Failing to Yield Right of Way</u>	4	4	1	3	1	1	5	14	23	11	5	2	1	75	9.0
Disobeying Traffic Control/Officer	0	0	1	0	1	1	0	3	1	1	0	0	0	8	1.0
Driving on Wrong Side of Road	1	0	0	0	1	0	1	2	3	1	0	0	2	11	1.3
<u>Driving in Wrong Direction</u>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Backing Unsafely	1	0	1	4	3	1	6	26	31	13	6	6	6	104	12.4
Lost Control	7	3	5	5	3	3	20	50	31	18	9	4	2	160	19.1
Other Driver Action	1	0	2	0	1	0	3	3	4	3	1	0	0	18	2.2
Unknown	0	0	0	0	2	1	0	2	3	2	1	0	76	87	10.4
Total	22	15	20	27	24	12	76	198	180	114	39	16	93	836	
%	2.6	1.8	2.4	3.2	2.9	1.4	9.1	23.7	21.5	13.6	4.7	1.9	11.1		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	262	59	0	321	32.0
Passenger Van	91	17	0	108	10.8
Light Utility Vehicle	0	0	0	0	0.0
Pickup Truck	341	78	4	423	42.1
Panel/Cargo Van	0	0	0	0	0.0
Other Truck/Van <= 4536 kg	0	0	0	0	0.0
Unit Truck > 4536 kg	7	1	0	8	0.8
Road Tractor	19	7	0	26	2.6
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	0	4	0	4	0.4
Limited Speed Motorcycle	0	0	0	0	0.0
Off Road Vehicles (ATV)	0	2	0	2	0.2
Bicycle	1	13	0	14	1.4
Motor Home	1	0	0	1	0.1
Farm Equipment	0	0	0	0	0.0
Construction Equipment	2	1	0	3	0.3
Fire Engine	0	0	0	0	0.0
Snowmobile	8	14	0	22	2.2
Streetcar	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	71	0	0	71	7.1
Total	804	196	4	1004	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	675	178	1	854	85.1
Defective Brakes	1	1	0	2	0.2
Defective Steering	0	0	0	0	0.0
Defective Lighting	0	1	1	2	0.2
Tire Blown Out	3	4	0	7	0.7
Unsecured Load, Spilled Load	1	0	0	1	0.1
Oversized Load, Overload	2	0	0	2	0.2
Visibility Obstructed	9	3	0	12	1.2
Other Defective Vehicular Parts	15	1	0	16	1.6
Other Vehicular Factor	0	0	0	0	0.0
Unknown	98	8	2	108	10.8
Total	804	196	4	1004	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	269	128	2	399	39.7
Turning Left	45	12	0	57	5.7
Turning Right	43	6	0	49	4.9
Making U-Turn	3	1	0	4	0.4
Changing Lanes	3	1	0	4	0.4
Merging	1	0	0	1	0.1
Reversing	103	4	0	107	10.7
Overtaking	3	2	0	5	0.5
Negotiating Curve	0	0	0	0	0.0
Slowing or Stopped in Traffic	78	24	0	102	10.2
Starting in Traffic	3	1	0	4	0.4
Leaving Roadside	3	4	0	7	0.7
Stopped/Parked Legally	160	4	0	164	16.3
Stopped/Parked Illegally	4	0	2	6	0.6
Swerving to Avoid Collision	9	7	0	16	1.6
Run-away or Roll-away Vehicle	5	0	0	5	0.5
Unspecified Manoeuvre	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	72	2	0	74	7.4
Total	804	196	4	1004	100.0

Number of Vehicles in Collisions by Vehicle Year and Severity

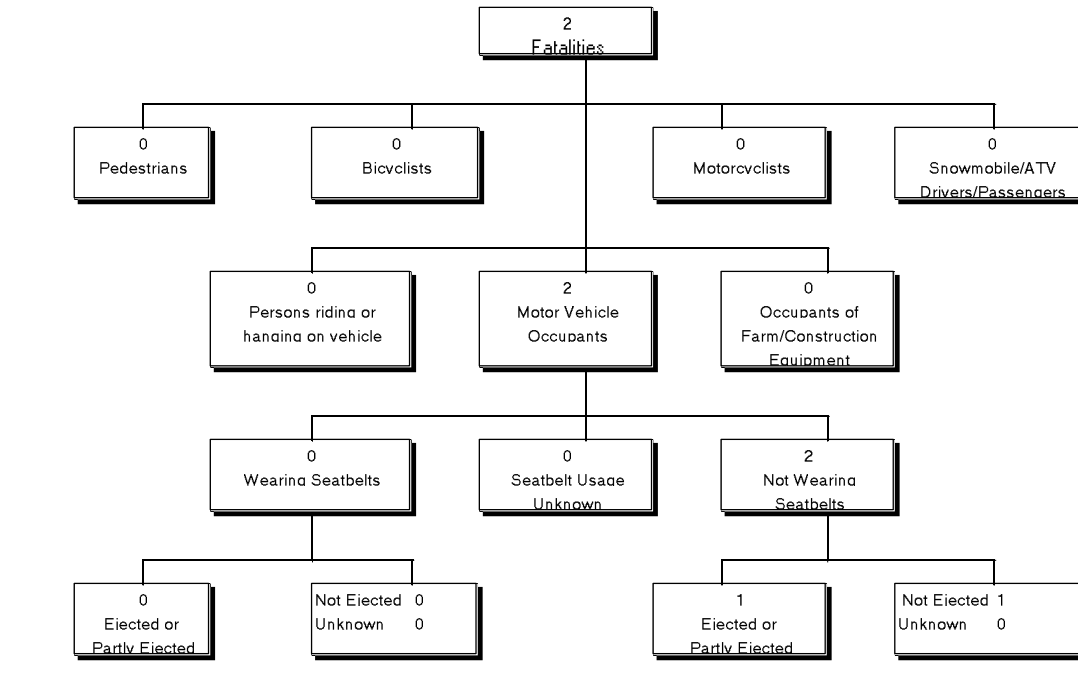
Figure 6.4

Model Year	Property Damage	Personal Injury	Fatal	Total	%
1999	5	0	0	5	0.5
1998	63	18	0	81	8.1
1997	102	21	0	123	12.3
1996	50	23	0	73	7.3
1995	59	15	0	74	7.4
1994	52	10	1	63	6.3
1993	38	18	0	56	5.6
1992	45	10	0	55	5.5
1991	43	12	0	55	5.5
1990	39	3	0	42	4.2
1989	43	5	2	50	5.0
1988	33	3	0	36	3.6
1987 & Older	146	41	1	188	18.7
Unspecified	86	17	0	103	10.3
Total	804	196	4	1004	100.0

Victims and Occupant Restraints – Section 7

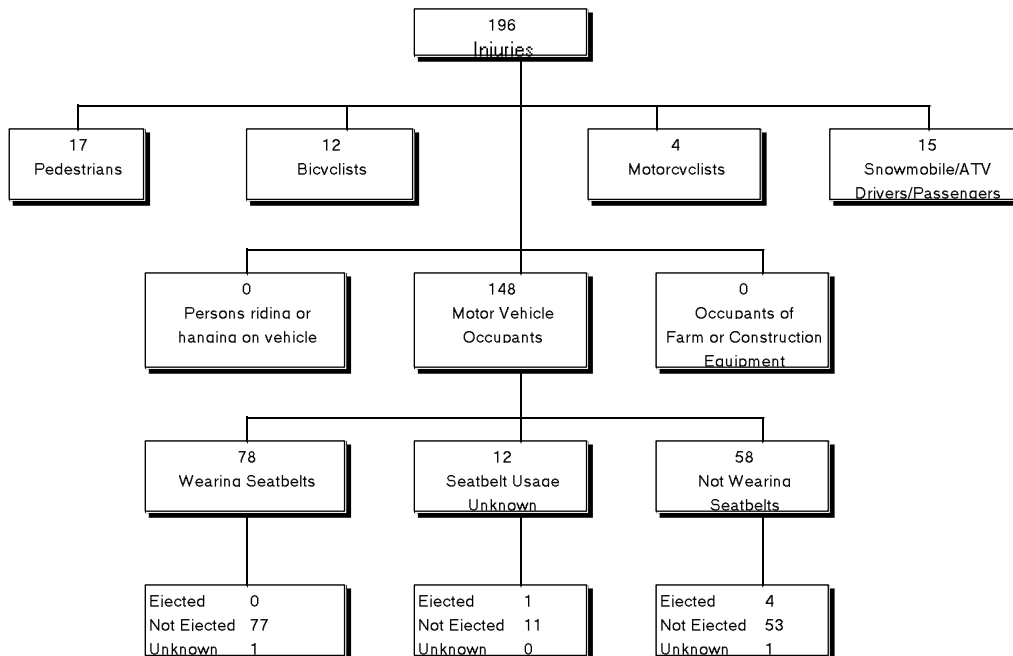
Fatalities Classification
(January 1 to December 31, 1998)

Figure 7.1



Injuries Classification
(January 1 to December 31, 1998)

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	7	17	28	14	9	5	2	3	85	43.4
Motor Vehicle Passenger	1	8	12	13	6	7	4	2	2	8	63	32.1
<u>Pedestrian</u>	0	7	2	3	2	0	1	1	1	0	17	8.7
Bicyclist	0	5	3	1	1	1	0	0	0	1	12	6.1
Motorcyclist (includes passengers)	0	0	1	0	2	0	0	0	0	1	4	2.0
ATV Operators & Passengers	0	0	0	0	1	0	0	0	0	0	1	0.5
Snowmobile Operators & Passengers	0	4	3	1	3	1	1	0	0	1	14	7.1
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	1	24	28	35	43	23	15	8	5	14	196	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	1	0	0	0	0	0	0	1	50.0
Motor Vehicle Passenger	0	0	0	1	0	0	0	0	0	0	1	50.0
<u>Pedestrian</u>	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	2	0	0	0	0	0	0	2	100.0

Persons Injured or Killed by Road User Class and Gender

Figure 7.5

Road User Class	Persons Injured				Person Killed			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total
Motor Vehicle Driver	52	33	0	85	1	0	0	1
Motor Vehicle Passenger	32	30	1	63	1	0	0	1
<u>Pedestrian</u>	8	9	0	17	0	0	0	0
Bicyclist	7	5	0	12	0	0	0	0
Motorcyclist (includes passengers)	4	0	0	4	0	0	0	0
ATV Operators & Passengers	0	1	0	1	0	0	0	0
Snowmobile Operators & Passengers	11	3	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	114	81	1	196	2	0	0	2

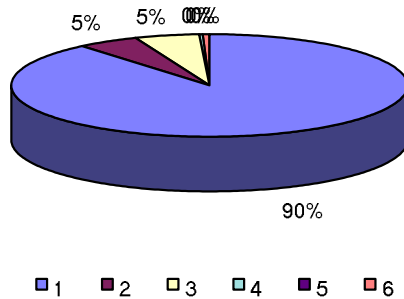
Motor Vehicle* Occupants by Injury Severity and Restraint Use

Figure 7.6

Injury Severity	Not Restrained	Lap Belt Only	Lap & Torso Belt	Child Restraint Device	Restraint Use Unknown	Total	%
Not Injured	138	33	587	0	321	1079	87.8
Minimal Injuries	21	3	32	0	3	59	4.8
Minor Injuries	29	0	37	0	8	74	6.0
Major (Hospital Admission)	6	0	3	0	0	9	0.7
Fatal	2	0	0	0	0	2	0.2
Injured - Extent Unknown	2	0	3	0	1	6	0.5
Total	198	36	662	0	333	1229	100.0

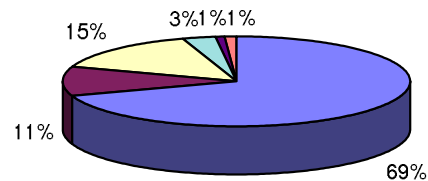
* Excludes occupants of motorcycles, mopeds, snowmobiles, all-terrain vehicles, and farm/construction equipment

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 as "unknown".

Injury Classification

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

Victims and Occupant Restraints – Section 7

Motor Vehicle* Occupants by Injury Severity & Age Group

Figure 7.8

Restraints Used

	0	5	15	20	25	35	45	55	65	Not	
Injury Severity	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older	Stated	Total
Not Injured	12	31	88	58	123	125	87	30	11	55	620
Minimal Injuries	0	0	4	6	9	4	3	3	3	3	35
Minor Injuries	0	2	7	9	6	5	5	3	0	0	37
Major (Hospital Admission)	0	0	0	0	1	0	1	0	0	1	3
Fatal	0	0	0	0	0	0	0	0	0	0	0
Injured - Extent Unknown	0	0	0	0	2	0	1	0	0	0	3
Total	12	33	99	73	141	134	97	36	14	59	698

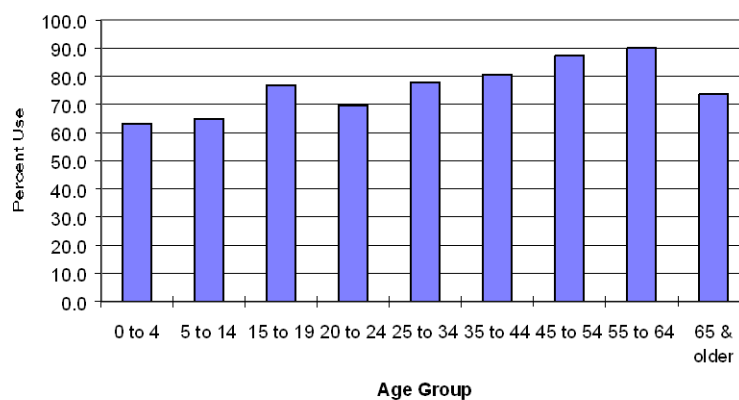
Restraints Not Used

	0	5	15	20	25	35	45	55	65	Not	
Injury Severity	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older	Stated	Total
Not Injured	6	14	22	15	27	24	12	3	4	11	138
Minimal Injuries	0	3	3	4	4	1	2	1	1	2	21
Minor Injuries	1	1	4	11	5	5	0	0	0	2	29
Major (Hospital Admission)	0	0	1	0	3	1	0	0	0	1	6
Fatal	0	0	0	2	0	0	0	0	0	0	2
Injured - Extent Unknown	0	0	0	0	1	1	0	0	0	0	2
Total	7	18	30	32	40	32	14	4	5	16	198

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

Victim Restraint Use Rate by Victim Age

Figure 7.9



Pedestrians – Section 8

Pedestrians Injured or Killed by Age Group

Figure 8.1

	Age Group										Not Stated		
	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				
Injured	0	7	2	3	2	0	1	1	1	0	17	100.0	
Killed	0	0	0	0	0	0	0	0	0	0	0	0.0	
Total	0	7	2	3	2	0	1	1	1	0	17		
%	0.0	41.2	11.8	17.6	11.8	0.0	5.9	5.9	5.9	0.0	100.0	100.0	

Pedestrians Injured or Killed by Pedestrian Action and Age Group

Figure 8.2

Pedestrian Action	Age Group										Not Stated	Total	%
	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older				
Crossing Intersection With Traffic Control, With Right-of-Way	0	0	2	2	0	0	0	0	0	0	0	4	23.5
Crossing Intersection With Traffic Control, Without Right-of-Way	0	0	0	0	1	0	0	0	0	0	0	1	5.9
Crossing Intersection - No Traffic Control	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Crossing Roadway at Crosswalk	0	1	0	0	0	0	0	0	0	0	0	1	5.9
Crossing Roadway Not at Intersection	0	1	0	0	0	0	0	1	0	0	0	2	11.8
Walking Along Roadway Against Traffic	0	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	0	0	0	0	0.0
On Sidewalk, Median, Safety Zone	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Walking on Travelled Part of Roadway Against Traffic	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Walking on Travelled Part of Roadway With Traffic	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Coming from Behind Parked Vehicle/Object on Roadside	0	0	0	1	1	0	0	0	1	0	0	3	17.6
Coming from Behind Moving Vehicle	0	0	0	0	0	0	1	0	0	0	0	1	5.9
Running into Roadway	0	2	0	0	0	0	0	0	0	0	0	2	11.8
Getting On/Off School Bus	0	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	0.0
Pushing Vehicle on Road	0	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	0.0
Playing on Roadway	0	3	0	0	0	0	0	0	0	0	0	3	17.6
Working on Roadway	0	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	0.0
Other	0	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	0.0
Total	0	7	2	3	2	0	1	1	1	1	0	17	100.0

Pedestrians Injured or Killed By Place of Occurrence and Injury Severity

Figure 8.3

Place of Occurrence	Killed	Injured	Total	%
Urban	0	16	16	94.1
Rural	0	1	1	5.9
Unspecified	0	0	0	0.0
Total	0	17	17	100.0

Pedestrians Injured or Killed by Accident Site

Figure 8.4

Accident Site	Killed	Injured	Total	%
Non-Intersection	0	4	4	23.5
At Intersection of At Least Two Roadways	0	6	6	35.3
Intersection With Parking Lot/Driveway/Alley	0	7	7	41.2
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	17	17	100.0

Pedestrians Injured or Killed by Pedestrian Condition

Figure 8.5

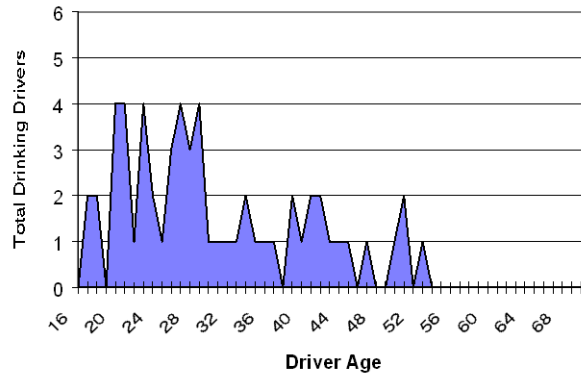
Pedestrian Condition	Killed	Injured	Total	%
Apparently Normal	0	14	14	82.4
Fatigued, Fell Asleep	0	0	0	0.0
Inexperience	0	0	0	0.0
Under Influence - Alcohol	0	3	3	17.6
Under Influence - Drugs	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0.0
Other Condition	0	0	0	0.0
Unknown	0	0	0	0.0
Total	0	17	17	100.0

Drinking Drivers in Collisions by Driver Age and Gender

Figure 9.1

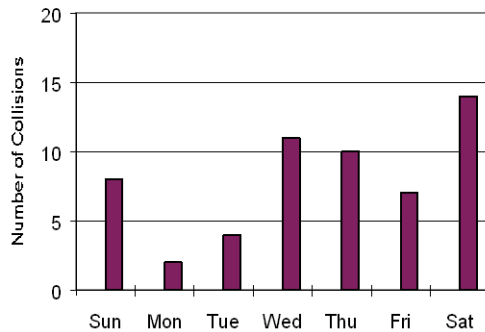
Driver Age	Male	Female	Not Stated	Total Drinking Drivers
Under 16	1	0	0	1
16	0	0	0	0
17	2	0	0	2
18	2	0	0	2
19	0	0	0	0
20	2	2	0	4
21 to 24	9	2	0	11
25 to 34	17	4	0	21
35 to 44	9	3	0	12
45 to 54	6	0	0	6
55 to 64	0	0	0	0
65 & Older	0	0	0	0
Not Stated	1	0	1	2
Total	49	11	1	61

Drinking Drivers by Driver Age



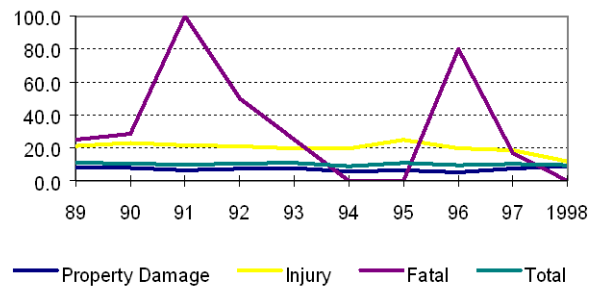
Collisions Involving Alcohol by Day of Week

Figure 9.2



Percentage of Collisions Involving Alcohol by Year and Severity

Figure 9.3



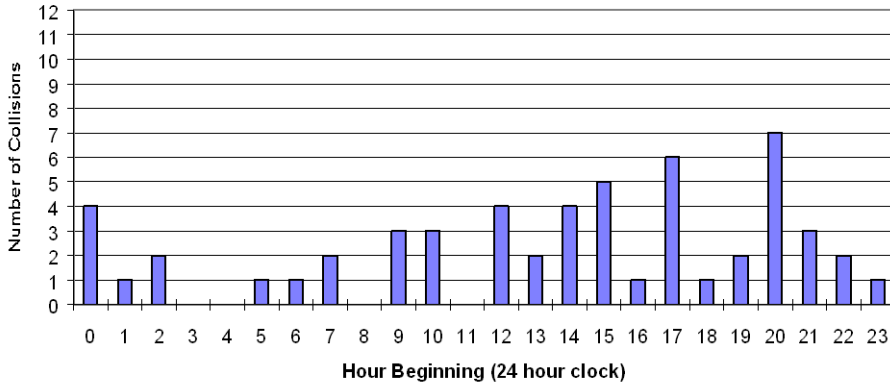
Number of Collisions and Victims Involving Alcohol

Figure 9.4

Number of Collisions						Number of Victims			
	Property Damage	Personal Injury	Fatal	Total	% of Total Collisions	Injured	Killed	Total	% of Total Victims
Year									
1989	56	38	2	96	10.9	63	2	65	24.0
1990	53	32	2	87	10.6	45	2	47	22.6
1991	46	37	3	86	9.7	75	3	78	31.3
1992	50	38	3	91	10.5	59	3	62	23.3
1993	38	35	1	74	10.9	67	1	68	23.7
1994	32	34	0	66	8.9	51	0	51	20.9
1995	33	41	0	74	10.9	62	0	62	27.2
1996	25	28	8	61	9.6	50	8	58	26.7
1997	33	28	1	62	10.3	43	1	44	19.2
1998	40	16	0	56	9.5	29	0	29	14.6
Average	41	33	2	75	10	54	2	56	23.4

Number of Alcohol Related Collisions by Time of Day

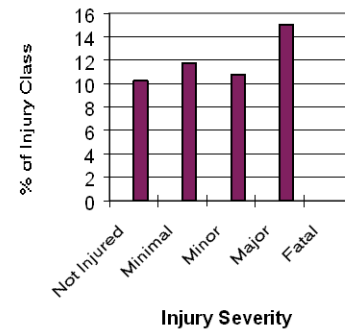
Figure 9.5



Injury Severity by Alcohol Involvement

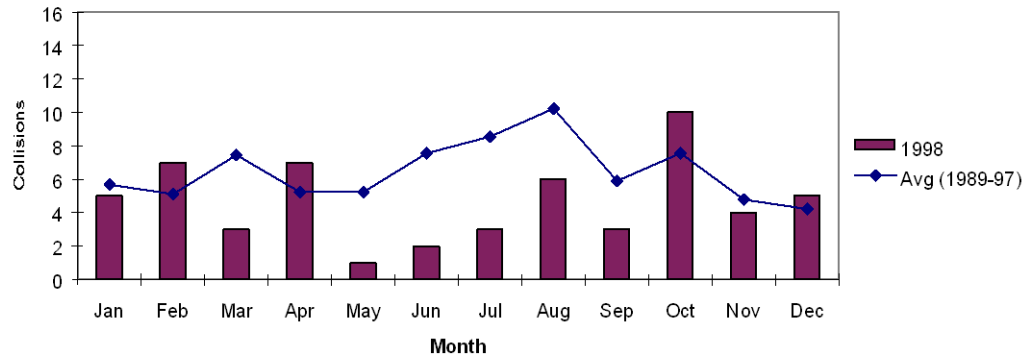
Figure 9.6

Injury Severity	Alcohol Involvement		Totals	% with Alcohol
	Yes	No		
Not Injured	113	989	1102	10.3
Minimal Injuries	8	60	68	11.8
Minor	10	83	93	10.8
Major	3	17	20	15.0
Fatal	0	2	2	0.0
Injured - Extent Unknown	0	15	15	0.0
Total	134	1166	1300	10.3



Alcohol-Involved Collisions by Month

Figure 9.7



Off-Road Vehicle Collisions by Month and Severity

Figure 10.1

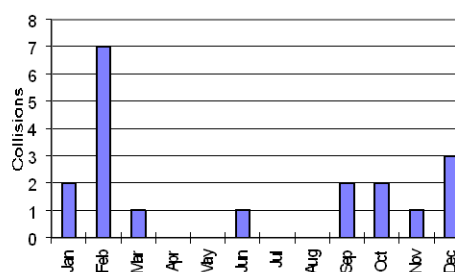
Month	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	1	1	0	2	2	0
February	4	3	0	7	4	0
March	0	1	0	1	1	0
April	0	0	0	0	0	0
May	0	0	0	0	0	0
June	1	0	0	1	0	0
July	0	0	0	0	0	0
August	0	0	0	0	0	0
September	1	1	0	2	2	0
October	1	1	0	2	3	0
November	0	1	0	1	1	0
December	1	2	0	3	3	0
Total	9	10	0	19	16	0

Off-Road Vehicle Collisions by Vehicle Type

Figure 10.2

	Snowmobile	ATV	Total
Total Victims	14	1	15
Killed	0	0	0
Injured	14	1	15
Total Vehicles Involved	22	2	24
Fatal	0	0	0
Injury	14	2	16
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	3	3	0	0	0	0	6	28.6
15 to 19	4	1	0	1	0	0	6	28.6
20 to 24	1	0	0	0	0	0	1	4.8
25 to 34	4	0	0	0	1	0	5	23.8
35 to 44	1	0	0	0	0	0	1	4.8
45 to 54	1	0	0	0	0	0	1	4.8
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	4.8
Total	14	4	1	1	1	0	21	100.0

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

Figure 10.4

Driver Condition	Property Damage	Personal Injury	Fatal	Total %	
				Total	%
Apparently Normal	3	13	0	16	76.2
Fatigue/Fell Asleep	0	0	0	0	0.0
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	1	2	0	3	14.3
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	1	0	1	4.8
Other Condition	0	0	0	0	0.0
Unknown	1	0	0	1	4.8
Total	5	16	0	21	100.0

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

Figure 10.5

Driver Action	Property Damage	Personal Injury	Fatal	Total	%
Driving Properly	1	3	0	4	19.0
Following Too Closely	0	0	0	0	0.0
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	1	3	0	4	19.0
Improper Turning or Passing	0	0	0	0	0.0
Failed to Yield Right-of-Way	0	3	0	3	14.3
Disobeyed Traffic Control or Officer	0	0	0	0	0.0
Driving on Wrong Side of Road	0	2	0	2	9.5
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	2	0	0	2	9.5
Lost Control	0	4	0	4	19.0
Other	0	1	0	1	4.8
Unknown	1	0	0	1	4.8
Total	5	16	0	21	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	14	3	20	57.1
Minimal Injuries	0	2	0	2	5.7
Minor Injuries	1	3	2	6	17.1
Major (Hospital Admission)	1	6	0	7	20.0
Fatal	0	0	0	0	0.0
Injured - Extent Unknown	0	0	0	0	0.0
Total	5	25	5	35	100.0

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	2	2	0	4	2	0
Deline	2	0	0	2	0	0
Fort Good Hope	2	0	0	2	0	0
Fort McPherson	6	5	0	11	9	0
Holman	0	1	0	1	2	0
Inuvik	33	19	0	52	30	0
Norman Wells	3	3	0	6	6	0
Sachs Harbour	0	0	0	0	0	0
Tuktoyaktuk	7	0	0	7	0	0
Tulita	1	0	0	1	0	0
Sub Total						
Inuvik Region	56	30	0	86	49	0

B - Fort Simpson Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Fort Liard	5	2	0	7	2	0
Fort Simpson	15	3	0	18	3	0
Sub Total						
Fort Simpson Region	20	5	0	25	5	0

C - South Slave Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Hay River	50	22	1	73	31	1
Fort Providence	10	6	0	16	13	0
Fort Resolution	7	2	0	9	3	0
Fort Smith	20	7	0	27	12	0
Lutsel K'e	0	1	0	1	1	0
Sub Total						
South Slave Region	87	38	1	126	60	1

D - North Slave Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Rae/Wha Ti	17	12	1	30	15	1
Yellowknife	272	50	0	322	67	0
Sub Total						
North Slave Region	289	62	1	352	82	1

Total - All

Regions	452	135	2	589	196	2
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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 (1998 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Aklavik	4	160	78	742	2.50	5.13	0.54
Deline	2	129	57	608	1.55	3.51	0.33
Fort Good Hope	2	161	83	790	1.24	2.41	0.25
Fort McPherson	11	234	212	1,101	4.70	5.19	1.00
Ulukhaktok	1	50	105	451	2.00	0.95	0.22
Inuvik	52	1,579	1,528	3,321	3.29	3.40	1.57
Norman Wells	6	491	625	792	1.22	0.96	0.76
Sachs Harbour	0	38	36	166	0.00	0.00	0.00
Tuktoyaktuk	7	292	230	1,278	2.40	3.04	0.55
Tulita	1	116	72	483	0.86	1.39	0.21
Sub Total							
Inuvik Region	86	3,250	3,026	9,732	2.65	2.84	0.88

B - Fort Simpson Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1998 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Fort Liard	7	170	179	492	4.12	3.91	1.42
Fort Simpson	18	742	889	1,638	2.43	2.02	1.10
Sub Total							
Fort Simpson Region	25	912	1,068	2,130	2.74	2.34	1.17

C - South Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1998 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Hay River	73	2,531	3,449	4,121	2.88	2.12	1.77
Fort Providence	16	247	305	871	6.48	5.25	1.84
Fort Resolution	9	218	234	574	4.13	3.85	1.57
Fort Smith	27	1,391	1,435	2,607	1.94	1.88	1.04
Lutsel K'e	1	72	49	362	1.39	2.04	0.28
Sub Total							
South Slave Region	126	4,459	5,472	8,535	2.83	2.30	1.48

D - North Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1998 estimate [2])	Collision Rates		
					Collisions/ 100 Licensed Drivers	Collisions/ 100 Registered Vehicles	Collisions/ 100 Population
Behchoko/Whati	30	628	615	2,662	4.78	4.88	1.13
Yellowknife	322	11,863	12,020	17,772	2.71	2.68	1.81
Sub Total							
North Slave Region	352	12,491	12,635	20,434	2.82	2.79	1.72

Total - All Regions	589	21,112	22,201	41,100	2.79	2.65	1.43
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[1] Number of registered vehicles and licensed drivers are as of December 31, 1998.

[2] 1998 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 1999.

Geographic Distyribution – 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
	98.0	18-Jul-1998	Injury	Single Vehicle Rollover	2	0
	99.0	28-Aug-1998	Injury	Single Vehicle Rollover	1	0
	124.0	8-Aug-1998	Property Damage	Single Vehicle Rollover	0	0
	127.0	12-Jan-1998	Property Damage	Single Vehicle Rollover	0	0
	178.0	11-Jul-1998	Injury	Single Vehicle Rollover	4	0
	189.0	15-May-1998	Property Damage	Ran Off Road	0	0
	281.0	9-Jun-1998	Property Damage	Single Vehicle Rollover	0	0
	360.0	22-Jun-1998	Property Damage	Animal Strike	0	0
	400.0	1-Jan-1998	Property Damage	Ran Off Road	0	0
	466.0	9-Mar-1998	Property Damage	Collision with Fixed Object	0	0
	506.0	7-Jul-1998	Property Damage	Single Vehicle Rollover	0	0
	680.0	14-Aug-1998	Injury	Ran Off Road	1	0
Summary Highway #1	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	8	4	0	12	8	0
Highway #2 (Hay River)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed
	1.0	21-Jan-1998	Injury	Single Vehicle Rollover	1	0
	26.0	10-Nov-1998	Injury	Single Vehicle Rollover	1	0
	28.0	20-Sep-1998	Fatal	Single Vehicle Rollover	1	1
	37.0	8-Jul-1998	Property Damage	Other Multi-Vehicle Collision	0	0
	38.0	31-May-1998	Injury	Single Vehicle Rollover	1	0
	38.0	22-Dec-1998	Injury	Other Multi-Vehicle Collision	1	0
	38.3	27-Sep-1998	Property Damage	Single Vehicle Rollover	0	0
	38.8	9-Oct-1998	Property Damage	Right Angle	0	0
	39.1	10-Jul-1998	Property Damage	Other Multi-Vehicle Collision	0	0
	39.1	22-Sep-1998	Injury	Rear End	2	0
	39.7	19-Jun-1998	Property Damage	Other Multi-Vehicle Collision	0	0
	40.0	6-Jan-1998	Property Damage	Collision with Fixed Object	0	0
	40.0	17-Jan-1998	Property Damage	Collision with Fixed Object	0	0
	42.0	30-Oct-1998	Property Damage	Other Multi-Vehicle Collision	0	0
	45.2	27-Sep-1998	Injury	Ran Off Road	2	0
Summary Highway #2	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	8	6	1	15	9	1

Geographic Distribution – Section 11

Highway #3 (Yellowknife)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed
	24.0	16-Feb-1998	Property Damage	Collision with Fixed Object	0	0
	26.0	30-Sep-1998	Property Damage	Animal Strike	0	0
	45.0	4-Sep-1998	Injury	Animal Strike	2	0
	58.0	27-Oct-1998	Property Damage	Animal Strike	0	0
	65.0	16-Sep-1998	Property Damage	Animal Strike	0	0
	66.0	14-Oct-1998	Injury	Animal Strike	1	0
	73.0	4-Sep-1998	Property Damage	Other Single Vehicle Collision	0	0
	75.0	16-Sep-1998	Property Damage	Animal Strike	0	0
	101.0	28-Jan-1998	Injury	Rear End	2	0
	103.0	30-Sep-1998	Property Damage	Animal Strike	0	0
	133.0	10-Apr-1998	Property Damage	Ran Off Road	0	0
	145.0	13-Oct-1998	Fatal	Collision with Parked Vehicle	1	1
	161.0	12-Sep-1998	Injury	Single Vehicle Rollover	3	0
	196.0	29-Oct-1998	Injury	Collision with Fixed Object	1	0
	227.0	27-May-1998	Property Damage	Ran Off Road	0	0
	251.0	27-Jul-1998	Property Damage	Ran Off Road	0	0
	255.0	8-Oct-1998	Property Damage	Single Vehicle Rollover	0	0
	258.0	13-Aug-1998	Injury	Other Single Vehicle Collision	1	0
	260.0	1-Feb-1998	Injury	Single Vehicle Rollover	1	0
	263.0	7-Mar-1998	Injury	Other Single Vehicle Collision	2	0
	265.0	4-Aug-1998	Injury	Single Vehicle Rollover	1	0
	275.0	27-Aug-1998	Injury	Single Vehicle Rollover	1	0
	284.0	8-Nov-1998	Property Damage	Ran Off Road	0	0
	295.0	9-Oct-1998	Property Damage	Ran Off Road	0	0
	299.0	24-Dec-1998	Property Damage	Animal Strike	0	0
	303.0	21-Mar-1998	Property Damage	Other Multi-Vehicle Collision	0	0
	303.0	14-Jun-1998	Injury	Collision with Fixed Object	1	0
	303.0	28-Jun-1998	Injury	Collision with Fixed Object	2	0
	308.0	8-Aug-1998	Property Damage	Sideswipe Same Direction	0	0
	314.0	5-Jun-1998	Injury	Single Vehicle Rollover	1	0
	314.0	27-Nov-1998	Property Damage	Ran Off Road	0	0
	330.0	16-Aug-1998	Injury	Single Vehicle Rollover	1	0
	332.0	6-Dec-1998	Property Damage	Other Multi-Vehicle Collision	0	0
	335.0	20-Oct-1998	Injury	Collision with Fixed Object	1	0
	335.0	20-Oct-1998	Injury	Ran Off Road	1	0
	336.7	11-Jun-1998	Injury	Left Turn Across Path	1	0
	336.7	2-Jul-1998	Injury	Sideswipe Same Direction	1	0
	336.7	23-Nov-1998	Property Damage	Other Multi-Vehicle Collision	0	0
	337.0	10-Apr-1998	Property Damage	Ran Off Road	0	0
	338.0	14-Nov-1998	Injury	Collision with Fixed Object	1	0
Summary Highway #3	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	20	19	1	40	26	1

Geographic Distyribution – Section 11

Highway #4 (Ingraham Trail)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Iniured	#Persons Killed
	1.0	5-Feb-1998	Property Damage	Sideswipe - Opposite Direction	0	0
	4.0	23-Oct-1998	Property Damage	Ran Off Road	0	0
	9.8	28-Jul-1998	Injury	Collision with Pedestrian	1	0
	13.0	17-Mar-1998	Property Damage	Single Vehicle Rollover	0	0
	22.0	19-Feb-1998	Property Damage	Collision with Fixed Object	0	0
	31.0	8-Jun-1998	Property Damage	Single Vehicle Rollover	0	0
	33.0	6-Sep-1998	Property Damage	Single Vehicle Rollover	0	0
	46.0	10-Aug-1998	Property Damage	Collision with Fixed Object	0	0
	48.0	2-Aug-1998	Property Damage	Ran Off Road	0	0
	50.0	11-Feb-1998	Property Damage	Single Vehicle Rollover	0	0

Summary Highway #4	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Iniured	Persons Killed
	9	1	0	10	1	0

Highway #5 (Fort Smith Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Iniured	#Persons Killed
	2.0	30-Oct-1998	Injury	Collision with Fixed Object	2	0
	2.5	13-Nov-1998	Property Damage	Ran Off Road	0	0
	2.5	31-Dec-1998	Property Damage	Sideswipe Same Direction	0	0
	16.0	16-Jan-1998	Injury	Rear End	3	0
	16.0	29-Dec-1998	Injury	Single Vehicle Rollover	1	0
	18.0	27-Jun-1998	Injury	Single Vehicle Rollover	2	0
	18.0	12-Dec-1998	Property Damage	Single Vehicle Rollover	0	0
	140.0	24-Mar-1998	Injury	Single Vehicle Rollover	3	0
	158.0	6-Dec-1998	Injury	Single Vehicle Rollover	2	0
	161.0	30-Oct-1998	Injury	Single Vehicle Rollover	1	0
	200.0	5-Jun-1998	Injury	Single Vehicle Rollover	1	0
	246.0	4-Aug-1998	Property Damage	Animal Strike	0	0
	264.6	6-Jan-1998	Property Damage	Other Multi-Vehicle Collision	0	0

Summary Highway #5	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Iniured	Persons Killed
	5	8	0	13	15	0

Highway #6 (Fort Resolution Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Iniured	#Persons Killed
	40.0	6-Jan-1998	Property Damage	Animal Strike	0	0

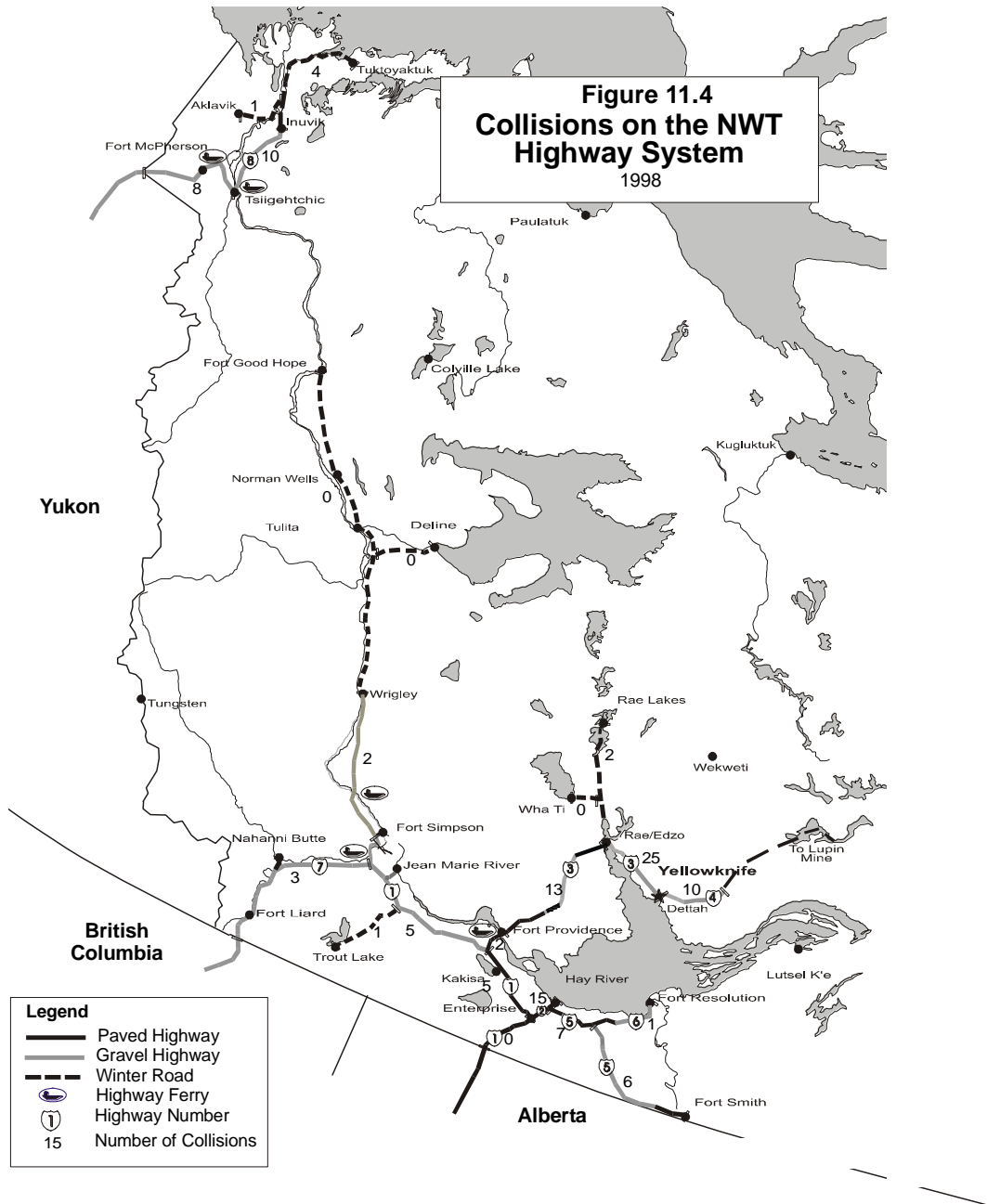
Summary Highway #6	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Iniured	Persons Killed
	1	0	0	1	0	0

Geographic Distyribution – Section 11

Highway #7 (Liard Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Iniured	#Persons Killed
	4.0	7-Feb-1998	Iniury	Single Vehicle Rollover	1	0
	144.0	14-Jul-1998	Property Damage	Single Vehicle Rollover	0	0
	188.0	4-Jun-1998	Iniury	Single Vehicle Rollover	1	0
Summary Highway #7	Property Damage Collisions	Personal Iniury Collisions	Fatal Collisions	Total Collisions	Persons Iniured	Persons Killed
	1	2	0	3	2	0
Highway #8 (Dempster Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Iniured	#Persons Killed
	35.0	10-Sep-1998	Iniury	Single Vehicle Rollover	1	0
	44.0	7-Jan-1998	Property Damage	Animal Strike	0	0
	71.0	25-Jan-1998	Property Damage	Single Vehicle Rollover	0	0
	72.1	14-Jul-1998	Iniury	Single Vehicle Rollover	3	0
	85.4	10-Feb-1998	Property Damage	Other Multi-Vehicle Collision	0	0
	97.0	22-Nov-1998	Property Damage	Ran Off Road	0	0
	114.0	9-Oct-1998	Property Damage	Collision with Parked Vehicle	0	0
	115.0	8-Jun-1998	Iniury	Single Vehicle Rollover	3	0
	158.0	29-Jun-1998	Iniury	Single Vehicle Rollover	1	0
	160.0	13-Jun-1998	Iniury	Collision with Fixed Object	1	0
	184.0	18-Aug-1998	Property Damage	Single Vehicle Rollover	0	0
	189.0	18-Aug-1998	Iniury	Single Vehicle Rollover	2	0
	208.0	9-Jul-1998	Property Damage	Single Vehicle Rollover	0	0
	234.0	1-Sep-1998	Iniury	Single Vehicle Rollover	1	0
	237.0	18-Oct-1998	Iniury	Other Multi-Vehicle Collision	1	0
	254.0	16-Jun-1998	Property Damage	Collision with Fixed Object	0	0
	257.0	20-Oct-1998	Iniury	Single Vehicle Rollover	1	0
	271.5	21-Apr-1998	Iniury	Right Angle	2	0
Summary Highway #8	Property Damage Collisions	Personal Iniury Collisions	Fatal Collisions	Total Collisions	Persons Iniured	Persons Killed
	8	10	0	18	16	0

Geographic Distribution – Section 11

Access and Winter Roads	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed	
Aklavik Winter Access Road	12-Apr-1998	Injury	Collision with Fixed Object	1	0	
Dettah Access Road	15-Jul-1998	Injury	Single Vehicle Rollover	1	0	
Dettah Access Road	25-Jul-1998	Injury	Single Vehicle Rollover	4	0	
Dettah Access Road	17-Oct-1998	Injury	Ran Off Road	1	0	
Dettah Access Road	14-Dec-1998	Property Damage	Ran Off Road	0	0	
Dettah Winter Access Road	6-Feb-1998	Property Damage	Right Angle	0	0	
Inuvik-Tuktoyaktuk Winter Road	19-Jan-1998	Property Damage	Collision with Fixed Object	0	0	
Inuvik-Tuktoyaktuk Winter Road	11-Mar-1998	Property Damage	Collision with Fixed Object	0	0	
Inuvik-Tuktoyaktuk Winter Road	15-Mar-1998	Property Damage	Single Vehicle Rollover	0	0	
Inuvik-Tuktoyaktuk Winter Road	20-Dec-1998	Injury	Single Vehicle Rollover	1	0	
Kakisa Lake Access Road	12-Aug-1998	Property Damage	Sideswipe - Opposite Direction	0	0	
Prelude East Access Road	9-Nov-1998	Property Damage	Sideswipe - Opposite Direction	0	0	
Rae Access Road	26-Feb-1998	Property Damage	Other Multi-Vehicle Collision	0	0	
Rae Access Road	8-Nov-1998	Property Damage	Single Vehicle Rollover	0	0	
Rae Lakes Winter Access Road	17-Feb-1998	Property Damage	Single Vehicle Rollover	0	0	
Rae Lakes Winter Access Road	16-Mar-1998	Injury	Head-on	1	0	
Trout Lake Winter Access Road	23-Jan-1998	Property Damage	Other Multi-Vehicle Collision	0	0	
Vee Lake Access Road	2-Mar-1998	Injury	Sideswipe - Opposite Direction	2	0	
Summary Access and Winter Roads	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	11	7	0	18	11	0
Summary All NWT Highways	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	71	57	2	130	88	2





70	1.2	10	1.0	202	6.1	8.8	8.8	4.9			70
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Appendix A3 – Brief Description of Fatal Collisions

The following is a brief description of the two fatal traffic collisions that took place in the Northwest Territories in 1998, resulting in two fatalities.

RCMP Detachment	Date	Description
Hay River	19-Sept	Pickup truck involved in single vehicle rollover on Km 28 of Highway #2. The driver, who had been drinking and was unrestrained, was totally ejected and was pronounced dead at the scene. The passenger, who was restrained, remained in the vehicle and sustained serious injuries.
Rae	12-Oct	Alcohol-involved driver of sport utility vehicle struck two vehicles parked on the side of Highway #3 near Km 145. The collision occurred in darkness and both parked vehicles were poorly lit. The driver suffered serious injuries while the right front passenger died instantly. Neither driver nor passenger were restrained.

