1993 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.

1993 QUICK FACTS REPORT

1993 Compared to 1992

	1992	1993	% Change
PROPERTY DAMAGE ONLY COLLISIONS	679	495	-27.1
PERSONAL INJURY COLLISIONS	181	178	-1.7
FATAL COLLISIONS	6	4	-33.3
TOTAL REPORTED COLLISIONS	866	677	-21.8
NUMBER OF PERSONS KILLED	6	4	-33.3
NUMBER OF PERSONS INJURED	260	279	7.3
NWT HIGHWAY SYSTEM COLLISIONS	207	193	-6.8
RURAL COLLISIONS	5	5	0.0
COLLISIONS IN COMMUNITIES	654	477	-27.1
REGISTERED VEHICLES	20,632	21,391	3.7
LICENSED DRIVERS	18,849	21,218	12.6
NWT POPULATION [1]	39,400	39,900	1.3
COLLISIONS PER 100 LICENSED DRIVERS	4.59	3.19	-30.6
COLLISIONS PER 100 REGISTERED VEHICLES	4.20	3.16	-24.6
COLLISIONS PER 100 POPULATION	2.20	1.70	-22.8
COLLISIONS INVOLVING ALCOHOL	91	74	-18.7

[1] 1992 and 1993 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 1994.

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.

Contents

			Page
		Quick Facts - Inside Front Cover	
Section 1		**Historical Trends**	**1**
Figure	1.1	Trends in Licensed Drivers, Registered Vehicles and Collisions	1
	1.2	Trends in Collision Rates by Vehicles, Drivers and Population	1
	1.3	Trends in Injuries and Fatalities	2
	1.4	Trends in Property Damage Collisions	2
	1.5	Trends in Personal Injury Collisions	3
	1.6	Trends in Fatal Collisions	3
	1.7	Trends in All Reported Collisions	4
	1.8	Property Damage Collisions by Month and Year	4
	1.9	Personal Injury Collisions by Month and Year	5
	1.10	Fatal Collisions by Month and Year	5
	1.11	Total Collisions by Month and Year	6
Section 2		**Time of Occurrence**	**7**
Figure	2.1	Personal Injury Collisions by Month of Occurrence	7
	2.2	Fatal Collisions by Month of Occurrence	7
	2.3	Total Collisions by Month of Occurrence	7
	2.4	Collisions and Victims by Month of Occurrence	7
	2.5	Total Collisions by Time of Day	7
	2.6	Total Collisions by Day of Week	7
	2.7	Total Collisions by Time of Day and Day of Week	8
Section 3		**Major Contributing Factors**	**9**
Figure	3.1	Collision by Severity Where Human Condition Was a Major Contributing Factor	9
	3.2	Collisions by Severity Where Human Action Was a Major Contributing Factor	9
	3.3	Collisions by Severity Where Vehicle Condition Was a Major Contributing Factor	9
	3.4	Collisions by Severity Where Environmental Condition Was a Major Contributing Factor	10
	3.5	Collisions by Severity Where Major Contributing Factor Was Unspecified or Unknown	10
	3.6	Major Contributing Factors by Collision Severity	10
	3.7	Collisions by Road System Where Human Condition Was a Major Contributing Factor	11
	3.8	Collisions by Road System Where Human Action Was a Major Contributing Factor	11
	3.9	Collisions by Road System Where Vehicle Condition Was a Major Contributing Factor	11
	3.10	Collisions by Road System Where Environmental Condition Was a Major Contributing Factor	12
	3.11	Collisions by Road System Where Major Contributing Factor Was Unspecified or Unknown	12
	3.12	Major Contributing Factors in Collisions - Communities and NWT Highways	12

Contents

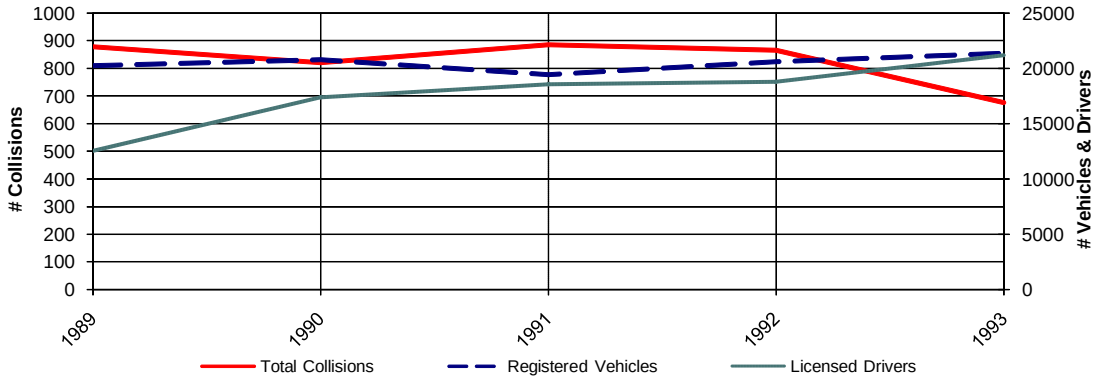
			Page
Section 4		**Environmental Factors**	**13**
Figure	4.1	Collisions by Road Surface Type and Severity	13
	4.2	Collisions by Road Surface Environmental Condition and Severity	13
	4.3	Collisions by Road Defect and Severity	14
	4.4	Collisions by Light Condition and Severity	14
	4.5	Collisions by Weather Condition and Severity	15
	4.6	Collisions by Configuration and Severity	16
	4.7	Collisions by Configuration and Road System	17
	4.8	Collisions by Collision Site and Severity	18
	4.9	Collisions by Collision Site and Road System	18
	4.10	Collisions by Roadway Alignment and Severity	18
	4.11	Collisions by Roadway Type and Severity	19
	4.12	Collisions by Sequence of Events and Severity	19
	4.13	Collisions by Sequence of Events and Road System	20
Section 5		**Driver Factors**	**21**
Figure	5.1	Drivers in Collisions and Relative Risk by Driver Age	21
	5.2	Collision Rates by Severity and Driver Age	21
	5.3	Number of Drivers in Collisions by Licence Class and Age	22
	5.4	Number of Drivers in Collisions by Driver Condition and Age	22
	5.5	Number of Drivers in Collisions by Driver Action and Age	23
Section 6		**Vehicle Factors**	**24**
Figure	6.1	Number of Vehicles in Collisions by Vehicle Type and Severity	24
	6.2	Number of Vehicles in Collisions by Vehicle Condition and Severity	24
	6.3	Number of Vehicles in Collisions by Vehicle Manoeuvre and Severity	25
	6.4	Number of Vehicles in Collisions by Vehicle Year and Severity	25
Section 7		**Victims and Occupant Restraints**	**26**
Figure	7.1	Fatalities Classification	26
	7.2	Injuries Classification	26
	7.3	Persons Injured by Road User Class and Age Group	27
	7.4	Persons Killed by Road User Class and Age Group	27
	7.5	Persons Injured or Killed by Road User Class and Gender	27
	7.6	Motor Vehicle Occupants by Injury Severity and Restraint Use	28
	7.7	Restraints Used/Not Used	28
	7.8	Motor Vehicle Occupants by Injury Severity and Age Group	29
	7.9	Victim Restraint Use Rate by Victim Age	29

Contents

			Page
Section 8		**Pedestrians**	**30**
Figure	8.1	Pedestrians Injured or Killed by Age Group	30
	8.2	Pedestrians Injured or Killed by Pedestrian Action and Age Group	30
	8.3	Pedestrians Injured or Killed by Place of Occurrence and Injury Severity	30
	8.4	Pedestrians Injured or Killed by Collision Site	31
	8.5	Pedestrians Injured or Killed by Pedestrian Condition	31
Section 9		**Alcohol**	**32**
Figure	9.1	Drinking Drivers in Collisions by Driver Age and Gender	32
	9.2	Collisions Involving Alcohol by Day of Week	32
	9.3	Percentage of Collisions Involving Alcohol by Year and Severity	32
	9.4	Number of Collisions and Victims Involving Alcohol	32
	9.5	Number of Alcohol Related Collisions by Time of Day	33
	9.6	Injury Severity by Alcohol Involvement	33
	9.7	Alcohol-Involved Collisions by Month	33
Section 10		**Off-Road Vehicles**	**34**
Figure	10.1	Off-Road Vehicle Collisions by Month and Severity	34
	10.2	Off-Road Vehicle Collisions by Vehicle Type	34
	10.3	Off-Road Vehicle Drivers in Collisions by Driver Age & Gender	35
	10.4	Off-Road Vehicle Drivers in Collisions by Driver Condition and Severity	35
	10.5	Off-Road Vehicle Drivers in Collisions by Driver Action & Severity	36
	10.6	Off-Road Vehicle Occupants by Injury Severity and Helmet Use	36
Section 11		**Geographic Distribution**	**37**
Figure	11.1	Collisions by Region, RCMP Detachment and Severity	37
	11.2	Collision Rates by Region and RCMP Detachment	38
	11.3	Collisions on the NWT Highway System	39
	11.4	Collisions on the NWT Highway System - Map	44
	11.5	Collision Rates on the NWT Highway System - Map	45
Appendix			**46**
Section	A1	Northwest Territories Motor Vehicle Collision (MVA) Report Form	46
	A2	Northwest Territories MVA Report Form Template	47
	A3	Brief Description of Fatal Collisions	48

Trends in Licensed Drivers, Registered Vehicles and Collisions

Figure 1.1

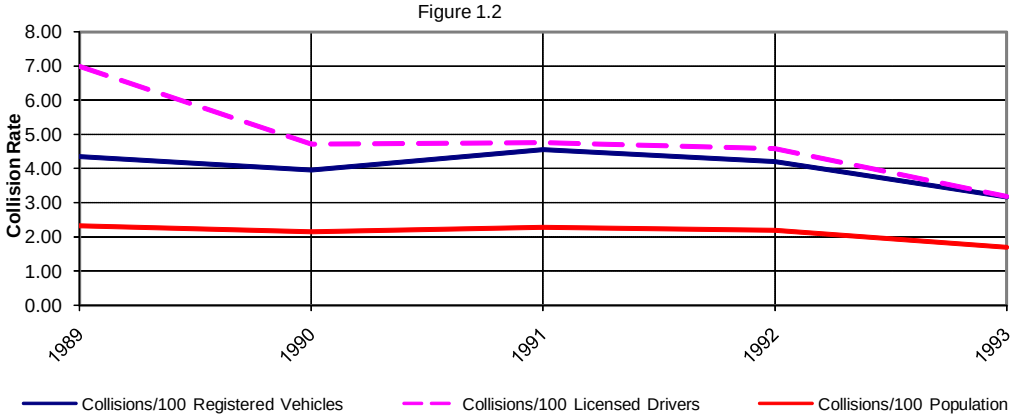


3 Year Summary

	1991	1992	1993	% Change
Registered Vehicles	19,471	20,632	21,391	3.7
Licensed Drivers	18,585	18,849	21,218	12.6
Total Collisions	886	866	677	-21.8

Trends in Collision Rates by Vehicles, Drivers and Population

Figure 1.2

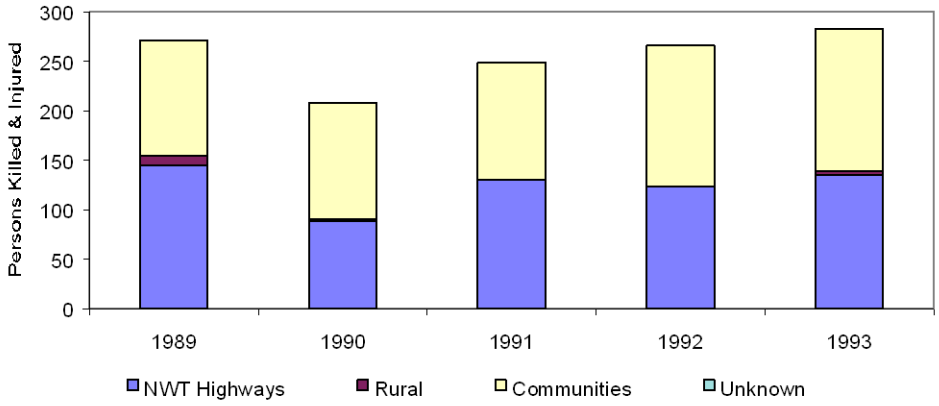


3 Year Summary

	1991	1992	1993	% Change
Collisions/100 Registered Vehicles	4.55	4.20	3.16	-24.6
Collisions/100 Licensed Drivers	4.77	4.59	3.19	-30.6
Collisions/100 Population	2.29	2.20	1.70	-22.8

Trends in Injuries & Fatalities

Figure 1.3

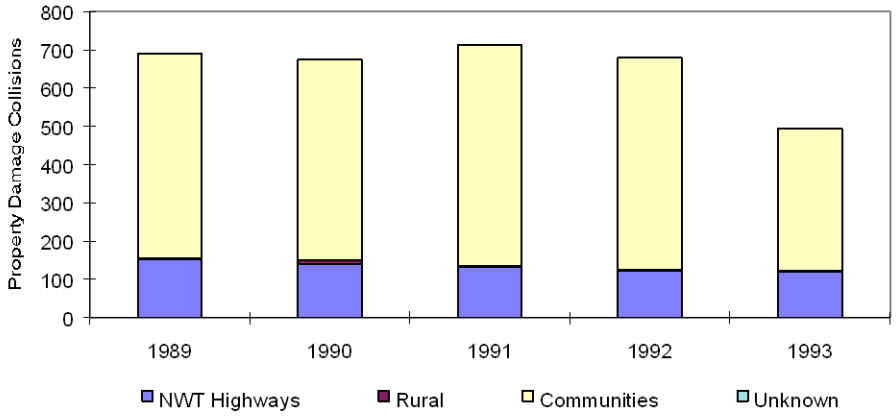


3 Year Summary

	Persons Injured				Persons Killed			
	1991	1992	1993	% Change	1991	1992	1993	% Change
NWT Highways	132	124	133	7.3	3	5	2	-60.0
Rural	0	1	4	300.0	0	0	0	-
Communities	114	135	142	5.2	0	1	2	100.0
Total	**246**	**260**	**279**	**7.3**	**3**	**6**	**4**	**-33.3**

Trends in Property Damage Collisions

Figure 1.4

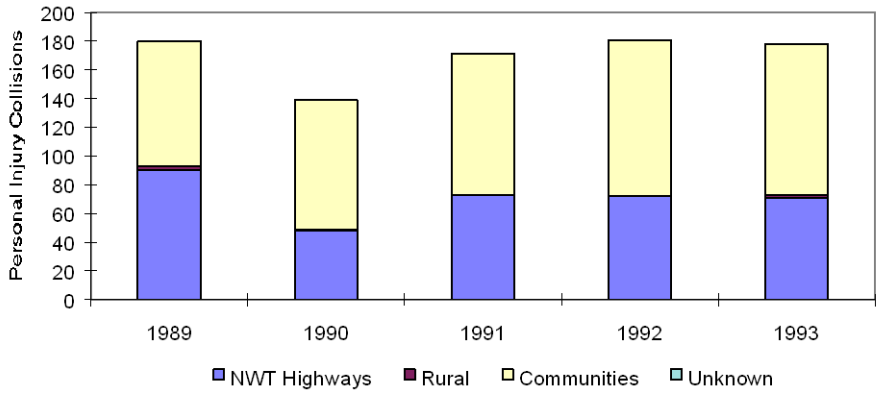


3 Year Summary

	Property Damage Collisions			
	1991	1992	1993	% Change
NWT Highways	138	127	120	-5.5
Rural	4	4	3	-25.0
Communities	570	548	372	-32.1
Total	**712**	**679**	**495**	**-27.1**

Trends in Personal Injury Collisions

Figure 1.5

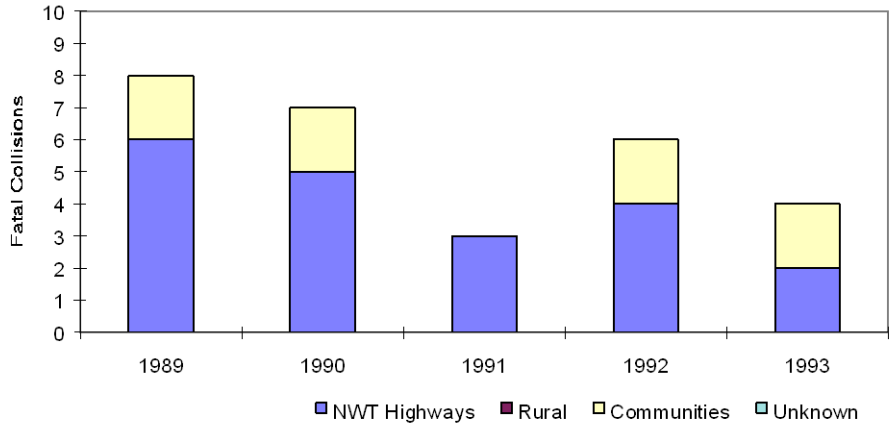


3 Year Summary

	Personal Injury Collisions			
	1991	1992	1993	% Change
NWT Highways	76	75	71	-5.3
Rural	0	1	2	100.0
Communities	95	105	105	0.0
Total	**171**	**181**	**178**	**-1.7**

Trends in Fatal Collisions

Figure 1.6

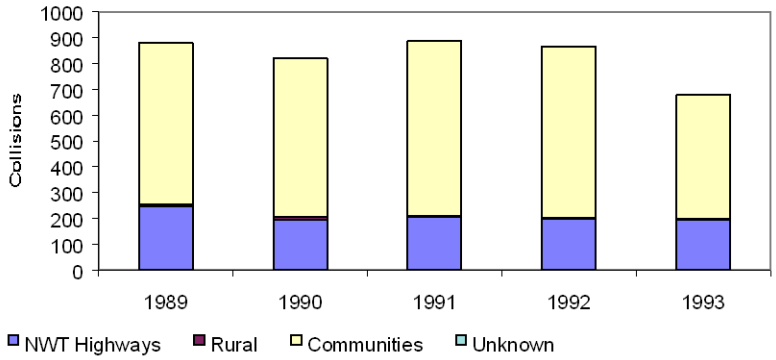


3 Year Summary

	Fatal Collisions			
	1991	1992	1993	% Change
NWT Highways	3	5	2	-60.0
Rural	0	0	0	-
Communities	0	1	2	100.0
Total	**3**	**6**	**4**	**-33.3**

Trends in All Reported Collisions

Figure 1.7



3 Year Summary

	1991	1992	1993	% Change
NWT Highways	217	207	193	-6.8
Rural	4	5	5	0.0
Communities	665	654	479	-26.8
Total	**886**	**866**	**677**	**-21.8**

Property Damage Collisions by Month and Year

Figure 1.8

Month	1989	1990	1991	1992	Avg. 89 to 92	1993	% Change*
January	66	63	86	74	72	46	-36.3
February	66	66	72	68	68	56	-17.6
March	65	68	72	68	68	52	-23.8
April	51	30	48	59	47	30	-36.2
May	39	29	31	45	36	23	-36.1
June	39	44	57	35	44	23	-47.4
July	47	51	57	48	51	33	-35.0
August	47	54	42	51	49	35	-27.8
September	41	46	49	48	46	39	-15.2
October	76	69	65	65	69	52	-24.4
November	84	71	59	64	70	53	-23.7
December	70	84	74	54	71	53	-24.8
Total	**691**	**675**	**712**	**679**	**689**	**495**	**-28.2**

* % change is a comparison between 1993 and the 1989-92 average.

Personal Injury Collisions by Month and Year

Figure 1.9

Month	1989	1990	1991	1992	Avg. 89 to 92	1993	% Change*
January	13	8	15	19	14	16	16.4
February	17	8	13	12	13	16	28.0
March	14	15	17	12	15	16	10.3
April	3	6	5	9	6	13	126.1
May	11	5	16	12	11	13	18.2
June	12	20	24	18	19	17	-8.1
July	26	20	23	15	21	24	14.3
August	17	14	16	18	16	9	-44.6
September	16	8	13	19	14	12	-14.3
October	18	15	14	16	16	16	1.6
November	19	7	5	13	11	14	27.3
December	14	13	10	18	14	12	-12.7
Total	**180**	**139**	**171**	**181**	**168**	**178**	**6.1**

Fatal Collisions by Month and Year

Figure 1.10

Month	1989	1990	1991	1992	Avg. 89 to 92	1993	% Change*
January	0	1	0	0	0.3	0	-100.0
February	0	0	0	0	0.0	0	-
March	0	0	0	0	0.0	1	-
April	1	1	0	1	0.8	1	33.3
May	1	0	0	0	0.3	0	-100.0
June	3	0	2	3	2.0	0	-100.0
July	1	2	0	0	0.8	1	33.3
August	0	0	1	0	0.3	0	-100.0
September	0	0	0	0	0.0	0	-
October	0	2	0	1	0.8	0	-100.0
November	1	0	0	1	0.5	1	100.0
December	1	1	0	0	0.5	0	-100.0
Total	**8**	**7**	**3**	**6**	**6.0**	**4**	**-33.3**

* % change is a comparison between 1993 and the 1989-92 average.

Total Collisions by Month and Year

Figure 1.11

Month	1989	1990	1991	1992	Avg. 89 to 92	1993	% Change*
January	79	72	101	93	86	62	-28.1
February	83	74	85	80	81	72	-10.6
March	79	83	89	80	83	69	-16.6
April	55	37	53	69	54	44	-17.8
May	51	34	47	57	47	36	-23.8
June	54	64	83	56	64	40	-37.7
July	74	73	80	63	73	58	-20.0
August	64	68	59	69	65	44	-32.3
September	57	54	62	67	60	51	-15.0
October	94	86	79	82	85	68	-20.2
November	104	78	64	78	81	68	-16.0
December	85	98	84	72	85	65	-23.3
Total	**879**	**821**	**886**	**866**	**863**	**677**	**-21.6**

* % change is a comparison between 1993 and the 1989-92 average.

Collisions by Month of Occurrence

Figure 2.1

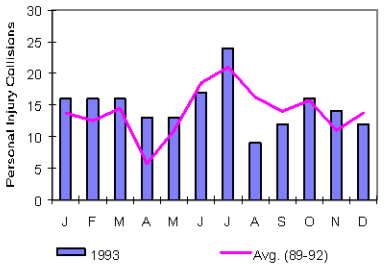


Figure 2.2

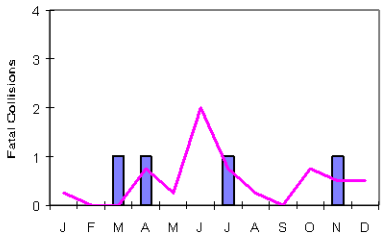
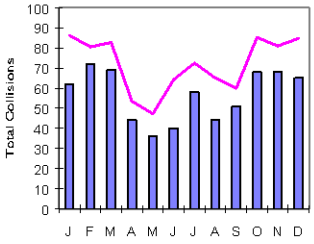


Figure 2.3



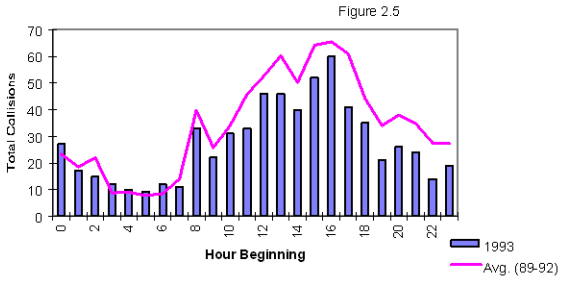
Collisions & Victims by Month of Occurrence

Figure 2.4

	Number of Collisions				Number of Victims	
Month	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	46	16	0	62	22	0
February	56	16	0	72	21	0
March	52	16	1	69	21	1
April	30	13	1	44	21	1
May	23	13	0	36	22	0
June	23	17	0	40	25	0
July	33	24	1	58	47	1
August	35	9	0	44	13	0
September	39	12	0	51	19	0
October	52	16	0	68	21	0
November	53	14	1	68	26	1
December	53	12	0	65	21	0
Total	**495**	**178**	**4**	**677**	**279**	**4**

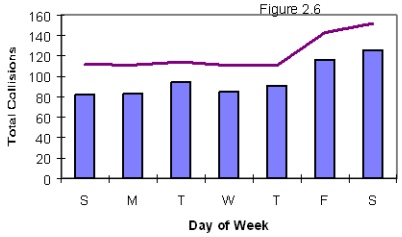
Total Collisions by Time of Day

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.	4	3	4	0	6	3	7	27	4.0
1 to 2 a.m.	6	3	0	0	4	1	3	17	2.5
2 to 3 a.m.	6	2	1	0	2	2	2	15	2.2
3 to 4 a.m.	4	0	2	1	2	2	1	12	1.8
4 to 5 a.m.	3	0	0	1	3	1	2	10	1.5
5 to 6 a.m.	1	0	1	2	0	0	5	9	1.3
6 to 7 a.m.	0	2	2	1	0	0	7	12	1.8
7 to 8 a.m.	1	2	2	2	0	1	3	11	1.6
8 to 9 a.m.	1	3	8	5	6	7	3	33	4.9
9 to 10 a.m.	2	3	4	5	0	5	3	22	3.2
10 to 11 a.m.	7	2	1	5	3	8	5	31	4.6
11 to 12 a.m.	5	1	6	3	5	5	8	33	4.9
12 to 1 p.m.	1	4	6	12	8	8	7	46	6.8
1 to 2 p.m.	5	5	9	10	4	3	10	46	6.8
2 to 3 p.m.	5	8	6	4	3	9	5	40	5.9
3 to 4 p.m.	8	4	10	6	6	9	9	52	7.7
4 to 5 p.m.	5	10	9	2	10	14	10	60	8.9
5 to 6 p.m.	1	10	4	11	4	5	6	41	6.1
6 to 7 p.m.	2	3	5	3	8	7	7	35	5.2
7 to 8 p.m.	6	3	2	1	1	3	5	21	3.1
8 to 9 p.m.	4	4	2	3	6	4	3	26	3.8
9 to 10 p.m.	0	5	6	2	2	5	4	24	3.5
10 to 11 p.m.	0	2	1	2	1	4	4	14	2.1
11 to 12 p.m.	3	2	1	2	3	4	4	19	2.8
Not Stated	2	2	2	2	4	6	3	21	3.1
Total	82	83	94	85	91	116	126	677	
%	12.1	12.3	13.9	12.6	13.4	17.1	18.6	100.0	

* Excludes collisions in which Day of Week was unknown.

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	2	1	0	3	0.4
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	17	14	1	32	4.7
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	1	0	1	0.1
Other Driver Condition	0	0	0	0	0.0
Total	**19**	**16**	**1**	**36**	**5.3**

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	26	12	0	38	5.6
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	42	22	0	64	9.5
Improper Turning or Passing	10	2	0	12	1.8
Failed to Yield Right-of-Way	49	23	0	72	10.6
Disobeyed Traffic Control/Officer	3	0	0	3	0.4
Driving on Wrong Side of Road	9	8	1	18	2.7
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	84	4	0	88	13.0
Lost Control	129	56	2	187	27.6
Other Driver Action	0	0	0	0	0.0
Total	**352**	**127**	**3**	**482**	**71.2**

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	1	0	2	0.3
Defective Steering	0	0	0	0	0.0
Defective Lights	0	1	0	1	0.1
Tire Blown Out	3	3	0	6	0.9
Unsecured Load, Spilled Load	0	0	0	0	0.0
Oversized Load, Overload	1	0	0	1	0.1
Visibility Obstructed	3	2	0	5	0.7
Other Vehicle Contributing Factor	15	0	0	15	2.2
Total	**23**	**7**	**0**	**30**	**4.4**

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	8	2	0	10	1.5
Road Surface or Condition	14	2	0	16	2.4
Obstruction/Debris on Road	2	1	0	3	0.4
View Obstructed, Glare, Reflection	3	0	0	3	0.4
Weather or Other Acts of God	19	8	0	27	4.0
Other Environmental Factor	0	0	0	0	0.0
Total	46	13	0	59	8.7

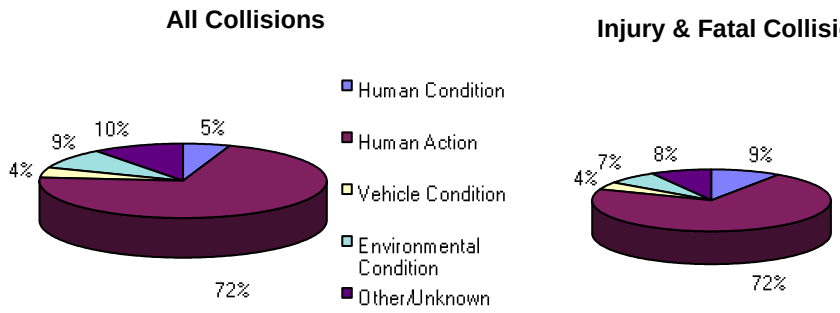
Collisions by Severity Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.5

Factor	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Unspecified	16	15	0	31	4.6
Unknown	39	0	0	39	5.8
Total	55	15	0	70	10.3
Total All Factors	495	178	4	677	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.

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

Figure 3.7

Human Condition	NWT Highways	In Communities	Rural	Total	% of Total Factors
Fatigued, Fell Asleep	3	0	0	3	0.4
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	7	25	0	32	4.7
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	1	0	1	0.1
Other Driver Condition	0	0	0	0	0.0
Total	**10**	**26**	**0**	**36**	**5.3**

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

Figure 3.8

Human Action	NWT Highways	In Communities	Rural	Total	% of Total Factors
Following Too Closely	7	31	0	38	5.6
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	16	48	0	64	9.5
Improper Turning or Passing	2	10	0	12	1.8
Failed to Yield Right-of-Way	18	54	0	72	10.6
Disobeyed Traffic Control/Officer	0	3	0	3	0.4
Driving on Wrong Side of Road	6	12	0	18	2.7
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	14	74	0	88	13.0
Lost Control	75	108	4	187	27.6
Other Driver Action	0	0	0	0	0.0
Total	**138**	**340**	**4**	**482**	**71.2**

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

Figure 3.9

Vehicle Condition	NWT Highways	In Communities	Rural	Total	% of Total Factors
Defective Brakes	2	0	0	2	0.3
Defective Steering	0	0	0	0	0.0
Defective Lights	1	0	0	1	0.1
Tire Blown Out	4	2	0	6	0.9
Unsecured Load, Spilled Load	0	0	0	0	0.0
Oversized Load, Overload	0	1	0	1	0.1
Visibility Obstructed	1	4	0	5	0.7
Other Vehicle Contributing Factor	5	10	0	15	2.2
Total	**13**	**17**	**0**	**30**	**4.4**

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	5	5	0	10	1.5
Road Surface or Condition	5	11	0	16	2.4
Obstruction/Debris on Road	1	2	0	3	0.4
View Obstructed, Glare, Reflection	1	2	0	3	0.4
Weather or Other Acts of God	7	19	1	27	4.0
Other Environmental Factor	0	0	0	0	0.0
Total	**19**	**39**	**1**	**59**	**8.7**

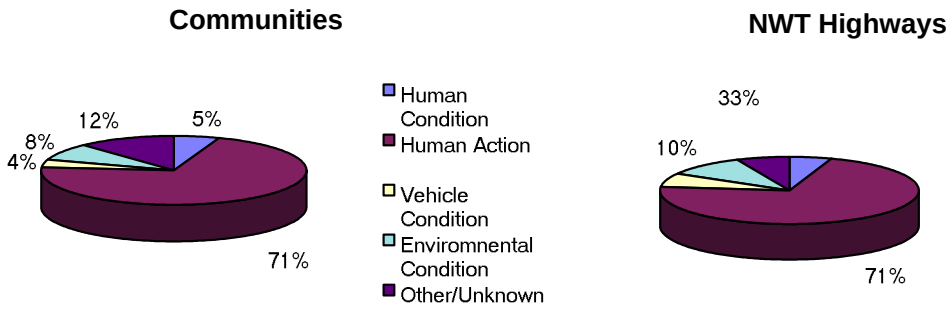
Collisions by Road System Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.11

Factor	NWT Highways	In Communities	Rural	Total	% of Total Factors
Unspecified	5	26	0	31	4.6
Unknown	8	31	0	39	5.8
Total	**13**	**57**	**0**	**70**	**10.3**
Total All Factors	**193**	**479**	**5**	**677**	**100.0**

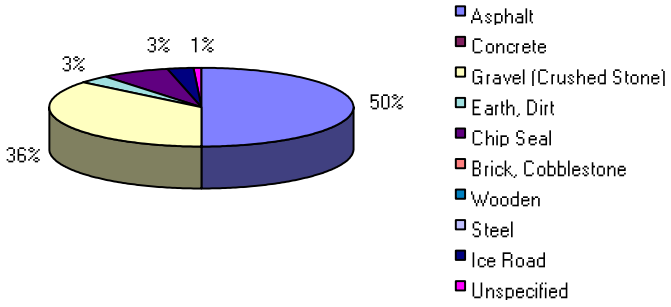
Major Contributing Factors in Collisions - Communities and NWT Highways

Figure 3.12



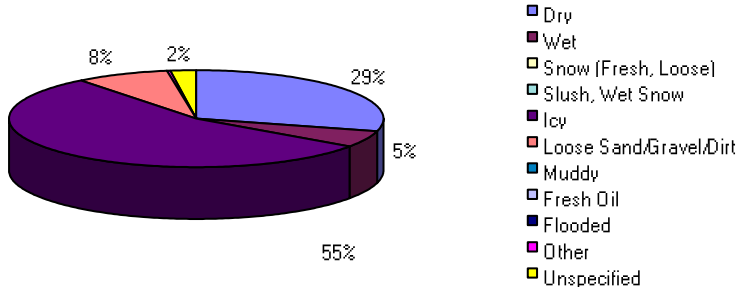
Collisions by Road Surface Type and Severity Figure 4.1

Road Surface Type	Property Damage	Personal Injury	Fatal	Total	%
Asphalt	274	65	0	339	50.1
Concrete	0	0	0	0	0.0
Gravel (Crushed Stone)	164	75	3	242	35.7
Earth, Dirt	15	7	1	23	3.4
Chip Seal	24	24	0	48	7.1
Brick, Cobblestone	0	0	0	0	0.0
Wooden	0	0	0	0	0.0
Steel	0	0	0	0	0.0
Ice Road	13	7	0	20	3.0
Unspecified	5	0	0	5	0.7
Total	495	178	4	677	100.0



Collisions by Road Surface Environmental Condition and Severity Figure 4.2

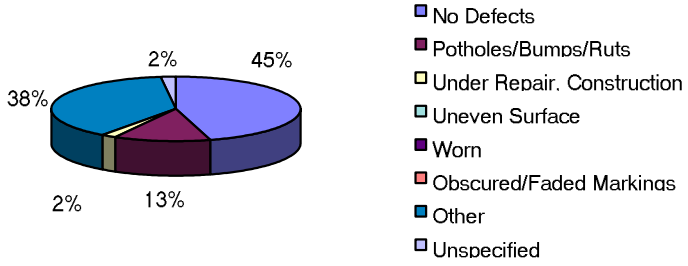
Surface Condition	Property Damage	Personal Injury	Fatal	Total	%
Dry	134	64	0	198	29.2
Wet	28	9	0	37	5.5
Snow (Fresh, Loose)	0	0	0	0	0.0
Slush, Wet Snow	0	0	0	0	0.0
Icy	285	82	3	370	54.7
Loose Sand/Gravel/Dirt	32	22	1	55	8.1
Muddy	0	0	0	0	0.0
Fresh Oil	0	0	0	0	0.0
Flooded	0	0	0	0	0.0
Other	1	1	0	2	0.3
Unspecified	15	0	0	15	2.2
Total	495	178	4	677	100



Collisions by Road Defect and Severity

Figure 4.3

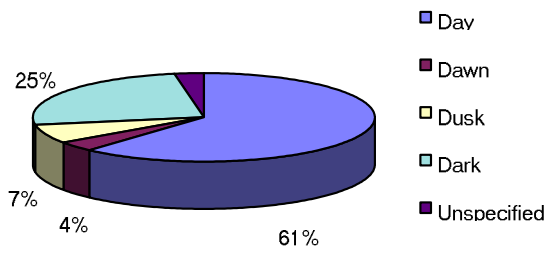
Road Defect	Property Damage	Personal Injury	Fatal	Total	%
No Defects	226	81	1	308	45.5
Potholes/Bumps/Ruts	59	26	0	85	12.6
Under Repair, Construction	9	4	0	13	1.9
Uneven Pavement Surface	0	0	0	0	0.0
Worn	0	0	0	0	0.0
Obscured or Faded Markings	0	0	0	0	0.0
Other	189	66	3	258	38.1
Unspecified	12	1	0	13	1.9
Total	**495**	**178**	**4**	**677**	100.0



Collisions by Light Condition and Severity

Figure 4.4

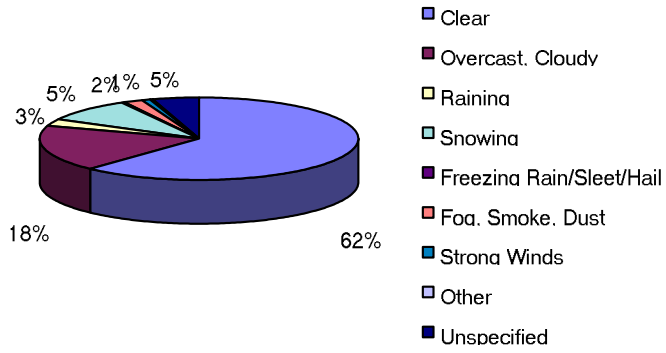
Light Condition	Property Damage	Personal Injury	Fatal	Total	%
Day	304	110	3	417	61.6
Dawn	17	6	1	24	3.5
Dusk	34	14	0	48	7.1
Dark	123	47	0	170	25.1
Unspecified	17	1	0	18	2.7
Total	**495**	**178**	**4**	**677**	100.0



Collisions by Weather Condition and Severity

Figure 4.5

Weather Condition	Property Damage	Personal Injury	Fatal	Total	%
Clear (Sunny)	302	115	3	420	62.0
Overcast, Cloudy (No Precipitation)	82	38	1	121	17.9
Raining	14	6	0	20	3.0
Snowing	49	12	0	61	9.0
Freezing Rain/Sleet/Hail	3	0	0	3	0.4
Visibility Limitations (fog, dust, etc.)	7	5	0	12	1.8
Strong Winds	6	1	0	7	1.0
Other	1	0	0	1	0.1
Unspecified	31	1	0	32	4.7
Total	**495**	**178**	**4**	**677**	100.0

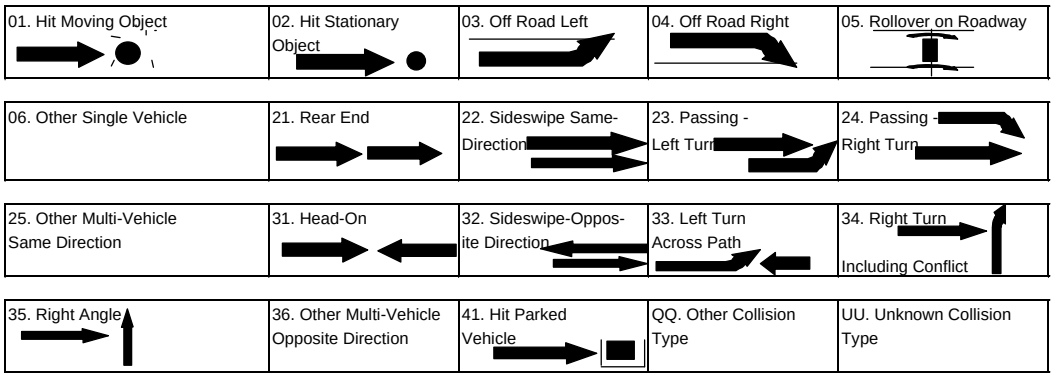


Collisions by Configuration and Severity

Figure 4.6

Configuration*	Property Damage	Personal Injury	Fatal	Total	% of Total
01. Hit Moving Object					
a) With Animal	7	1	0	8	1.2
b) With Pedestrian	0	22	0	22	3.2
c) Other	0	0	0	0	0.0
02. Hit Stationary Object	59	11	0	70	9.4
03. Off Road Left					
a) With Rollover	12	18	1	31	4.6
b) No Rollover	6	6	0	12	1.8
04. Off Road Right					
a) With Rollover	33	42	1	76	11.2
b) No Rollover	29	9	0	38	5.6
05. Rollover on Roadway	0	2	0	2	0.3
06. Other Single Vehicle	5	1	0	6	0.9
21. Rear End	63	18	1	82	12.1
22. Sideswipe - Same Direction	11	0	0	11	1.6
23. Passing - Left Turn	3	1	0	4	0.6
24. Passing - Right Turn	2	2	0	4	0.6
25. Other Multi-Vehicle Same Direction	0	0	0	0	0.0
31. Head-On	2	6	1	9	1.3
32. Sideswipe - Opposite Direction	13	4	0	17	2.5
33. Left Turn Across Path	12	3	0	15	2.2
34. Right Turn Including Conflict	10	2	0	12	1.8
35. Right Angle	65	17	0	82	12.1
36. Other Multi-Vehicle Opposite Direction	29	4	0	33	4.9
41. Hit Parked Vehicle	128	8	0	136	20.1
QQ. Other Collision Type	6	1	0	7	1.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	495	178	4	677	100.0

***Collision Configurations**

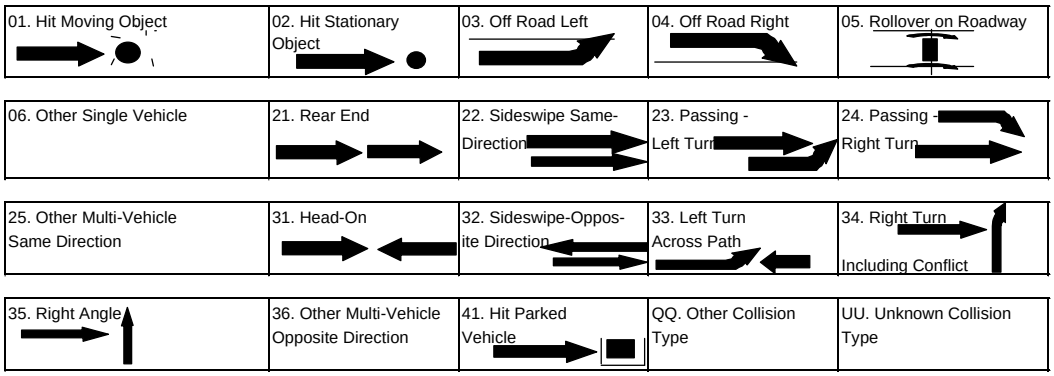


Collisions by Configuration and Road System

Figure 4.7

Configuration*	NWT Highways	In Communities	Rural	Total	% of Total
01. Hit Moving Object					
a) With Animal	3	5	0	8	1.2
b) With Pedestrian	4	18	0	22	3.2
c) Other	0	0	0	0	0.0
02. Hit Stationary Object	15	55	0	70	10.3
03. Off Road Left					
a) With Rollover	17	14	0	31	4.6
b) No Rollover	7	4	1	12	1.8
04. Off Road Right					
a) With Rollover	45	31	0	76	11.2
b) No Rollover	16	22	0	38	5.6
05. Rollover on Roadway	1	1	0	2	0.3
06. Other Single Vehicle	3	3	0	6	0.9
21. Rear End	15	67	0	82	12.1
22. Sideswipe - Same Direction	3	8	0	11	1.6
23. Passing - Left Turn	2	2	0	4	0.6
24. Passing - Right Turn	0	4	0	4	0.6
25. Other Multi-Vehicle Same Direction	0	0	0	0	0.0
31. Head-On	2	6	1	9	1.3
32. Sideswipe - Opposite Direction	9	6	2	17	2.5
33. Left Turn Across Path	2	13	0	15	2.2
34. Right Turn Including Conflict	5	7	0	12	1.8
35. Right Angle	13	69	0	82	12.1
36. Other Multi-Vehicle Opposite Direction	3	30	0	33	4.9
41. Hit Parked Vehicle	28	108	0	136	20.1
QQ. Other Collision Type	0	6	1	7	1.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	193	479	5	677	100.0

***Collision Configurations**



Collisions by Collision Site and Severity

Figure 4.8

Collision Site	Property Damage	Personal Injury	Fatal	Total	%
Non-Intersection	195	106	4	305	45.1
Intersection - Two Public Roadways	119	41	0	160	23.6
Intersection - Parking Lot, Driveway	75	28	0	103	15.2
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	2	0	0	2	0.3
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	1	0	0	1	0.1
Other	97	3	0	100	14.8
Unknown	6	0	0	6	0.9
Total	**495**	**178**	**4**	**677**	**100.0**

Collisions by Collision Site and Road System

Figure 4.9

Collision Site	NWT Highways	In Communities	Rural	Total	%
Non-Intersection	134	166	5	305	45.1
Intersection - Two Public Roadways	32	128	0	160	23.6
Intersection - Parking Lot, Driveway	9	94	0	103	15.2
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	0	2	0	2	0.3
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	1	0	0	1	0.1
Other	15	85	0	100	14.8
Unknown	2	4	0	6	0.9
Total	**193**	**479**	**5**	**677**	**100.0**

Collisions by Roadway Alignment and Severity

Figure 4.10

Road Alignment	Property Damage	Personal Injury	Fatal	Total	%
Straight & Level	336	113	1	450	66.5
Straight with Grade	39	10	1	50	7.4
Curved and Level	64	29	0	93	13.7
Curve with Grade	21	17	2	40	5.9
Top of Hill or Grade	24	8	0	32	4.7
Bottom of Hill or Grade	0	0	0	0	0.0
Other	0	1	0	1	0.1
Unknown	11	0	0	11	1.6
Total	**495**	**178**	**4**	**677**	**100.0**

Collisions by Roadway Type and Severity

Figure 4.11

Road Type	Property Damage	Personal Injury	Fatal	Total	%
One-Way, Two Lane	3	0	0	3	0.4
One-Way, Multi Lane	0	0	0	0	0.0
Undivided, Two-Way, Two Lane	368	163	4	535	79.0
Undivided, Two-Way, Multi Lane	0	0	0	0	0.0
Divided, Barrier Median	14	5	0	19	2.8
Divided with Median, No Barrier	0	0	0	0	0.0
Divided, Divider Unspecified	5	5	0	10	1.5
Other	99	5	0	104	15.4
Unknown	6	0	0	6	0.9
Total	**495**	**178**	**4**	**677**	**100.0**

Collision Sequence of Events by Severity

Figure 4.12

Non-Moving Objects	Property Damage	Personal Injury	Fatal	Total	%
Hit Parked Trailer	1	0	0	1	0.1
Hit Non-Fixed Object	1	1	0	2	0.3
Hit Building	4	1	0	5	0.7
Hit Ditch	4	0	0	4	0.6
Hit Embankment, Dirt Pile, Rock	5	1	0	6	0.9
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree. Bush, Hedge	4	0	0	4	0.6
Hit Utility Pole, Lamp Pole	14	5	0	19	2.8
Hit Curb	1	0	0	1	0.1
Hit Post	7	1	0	8	1.2
Hit Traffic Barrier	17	1	0	18	2.7
Hit Fixed Object Part of Road Structure	1	1	0	2	0.3
Hit Fixed Object NOT Part of Road Structure	0	0	0	0	0.0
Hit Other Type Fixed Object	0	0	0	0	0.0
Sub Total Fixed Objects	**59**	**11**	**0**	**70**	**10.3**
Moveable Objects					
Another Road Vehicle	338	65	2	405	59.8
Animal	7	1	0	8	1.2
Pedestrian	0	22	0	22	3.2
Other Moveable Object	0	0	0	0	0.0
Sub Total Moveable Objects	**345**	**88**	**2**	**435**	**64.3**
Non-Collision Events					
Ran Off Road	35	15	0	50	7.4
Rollover	45	62	2	109	16.1
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	4	0	0	4	0.6
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	1	1	0	2	0.3
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	**85**	**78**	**2**	**165**	24.4
Other/Unknown Event	6	1	0	7	1.0
Grand Total	**495**	**178**	**4**	**677**	**100.0**

Collision Sequence of Events by Road System

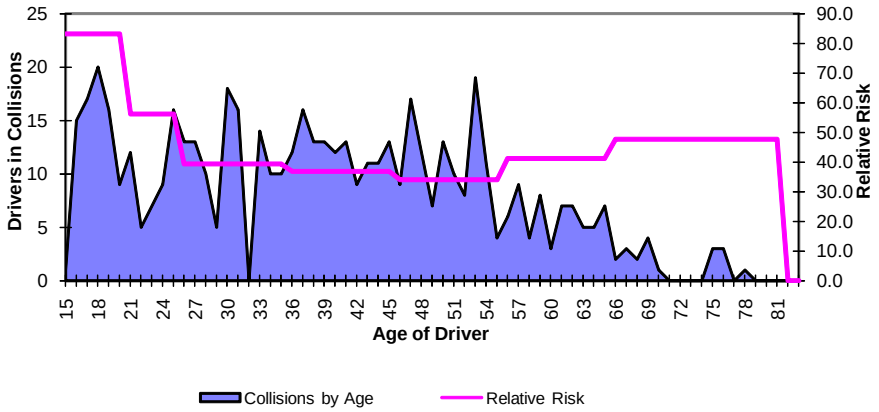
Figure 4.13

Non-Moving Objects	NWT Highways	In Communities	Rural	Total	%
Hit Parked Trailer	0	1	0	1	0.1
Hit Non-Fixed Object	0	2	0	2	0.3
Hit Building	0	5	0	5	0.7
Hit Ditch	3	1	0	4	0.6
Hit Embankment, Dirt Pile, Rock	3	3	0	6	0.9
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree. Bush, Hedge	1	3	0	4	0.6
Hit Utility Pole, Lamp Pole	0	19	0	19	2.8
Hit Curb	1	0	0	1	0.1
Hit Post	2	6	0	8	1.2
Hit Traffic Barrier	4	14	0	18	2.7
Hit Fixed Object Part of Road Structure	1	1	0	2	0.3
Hit Fixed Object NOT Part of Road Structure	0	0	0	0	0.0
Hit Other Type Fixed Object	0	0	0	0	0.0
Sub Total Fixed Objects	**15**	**55**	**0**	**70**	**10.3**
Moveable Objects					
Another Road Vehicle	82	320	3	405	59.8
Animal	3	5	0	8	1.2
Pedestrian	4	18	0	22	3.2
Other Moveable Object	0	0	0	0	0.0
Sub Total Moveable Objects	**89**	**343**	**3**	**435**	**64.3**
Non-Collision Events					
Ran Off Road	23	26	1	50	7.4
Rollover	63	46	0	109	16.1
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	2	2	0	4	0.6
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	1	1	0	2	0.3
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	**89**	**75**	**1**	**165**	24.4
Unknown Event	**0**	**6**	**1**	**7**	1.0
Grand Total	**193**	**479**	**5**	**677**	**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	122	1,262	2,332	6,912	5,993	3,123	1,117	357	0	21,218
Drivers in Collisions	18	97	131	272	221	106	46	17	55	963

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	48.4	39.0	29.8	30.4	22.4	31.3	30.8	33.7
Personal Injury & Fatal	34.7	17.2	9.5	6.5	11.5	9.8	16.8	11.7
Total	**83.1**	**56.2**	**39.4**	**36.9**	**33.9**	**41.2**	**47.6**	**45.4**
Relative Risk*	**1.8**	**1.2**	**0.9**	**0.8**	**0.7**	**0.9**	**1.0**	**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	Not Req'd.	No Licence	Not Stated	Total
Under 16	0	0	0	0	0	0	0	11	6	1	18
16	0	0	0	0	13	0	4	1	4	1	23
17	0	0	0	0	14	0	3	1	1	1	20
18	0	0	0	0	25	0	0	1	2	1	29
19	0	0	0	1	21	0	0	1	2	0	25
20	0	1	0	1	15	0	0	2	0	0	19
21-24	5	2	1	4	79	0	2	4	12	3	112
25-34	12	3	6	22	202	2	4	5	15	1	272
35-44	31	2	15	15	149	0	0	2	2	5	221
45-54	21	3	3	9	65	0	1	1	2	1	106
55-64	10	2	2	3	26	0	0	3	0	0	46
65 and over	0	0	1	1	14	0	0	1	0	0	17
Not Stated	0	0	0	1	0	0	0	4	0	50	55
Drivers in Collisions	**79**	**13**	**28**	**57**	**623**	**2**	**14**	**37**	**46**	**64**	**963**
Total Licensed Drivers	**1,088**	**207**	**701**	**928**	**17,225**	**8**	**1,061**	**N/A**	**N/A**	**N/A**	**21,218**
Relative Risk*	**1.60**	**1.38**	**0.88**	**1.35**	**0.80**	**5.51**	**0.29**	**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	15	18	18	26	22	13	79	231	205	97	44	16	7	791	82.1
Fatigued, Fell Asleep	0	1	0	0	0	0	2	0	0	0	0	0	0	3	0.3
Inexperience	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Under Influence - Alcohol	2	1	1	3	2	6	22	26	6	6	2	0	0	77	8.0
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	0	0	1	0	0	0	0	0	1	0.1
Other Condition	1	1	0	0	0	0	1	1	0	0	0	1	0	5	0.5
Unknown	0	2	1	0	1	0	8	13	10	3	0	0	48	86	8.9
Total	**18**	**23**	**20**	**29**	**25**	**19**	**112**	**272**	**221**	**106**	**46**	**17**	**55**	**963**	
%	1.9	2.4	2.1	3.0	2.6	2.0	11.6	28.2	22.9	11.0	4.8	1.8	5.7		**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	5	3	6	7	8	1	30	80	101	36	18	5	3	303	31.6
Following Too Closely	0	0	2	1	2	1	4	14	9	5	2	1	0	41	4.3
Distracted, Inattentive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Driving Too Fast	1	4	1	6	1	3	15	23	16	3	3	0	3	79	8.2
Improper Turning or Passing	0	0	0	0	1	0	1	9	1	2	1	0	0	15	1.6
Failing to Yield Right of Way	3	1	3	5	1	3	7	22	14	12	7	1	0	79	8.2
Disobeying Traffic Control/Officer	0	0	0	1	0	0	1	0	0	2	0	0	0	4	0.4
Driving on Wrong Side of Road	2	0	1	0	0	1	3	10	2	1	1	0	2	23	2.4
Driving in Wrong Direction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Backing Unsafely	1	1	4	2	1	2	11	37	18	12	1	5	4	99	10.3
Lost Control	5	11	3	7	10	7	37	71	51	30	10	4	3	249	25.9
Other Driver Action	1	2	0	0	1	0	0	5	7	3	3	1	2	25	2.6
Unknown	0	0	0	0	0	1	1	1	2	0	0	0	38	43	4.5
Total	18	22	20	29	25	19	110	272	221	106	46	17	55	960	
%	1.9	2.3	2.1	3.0	2.6	2.0	11.5	28.3	23.0	11.0	4.8	1.8	5.7		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	292	82	1	375	34.3
Passenger Van	73	19	0	92	8.4
Light Utility Vehicle	0	0	0	0	0.0
Pickup Truck	382	98	2	482	44.1
Panel/Cargo Van	0	0	0	0	0.0
Other Truck/Van <= 4536 kg	0	0	0	0	0.0
Unit Truck > 4536 kg	17	2	0	19	1.7
Road Tractor	20	10	0	30	2.7
School Bus	2	1	0	3	0.3
Small School Bus	0	0	0	0	0.0
Urban Transit Bus	1	0	0	1	0.1
Intercity Bus	0	0	0	0	0.0
Bus - Unspecified	1	1	0	2	0.2
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	0	7	0	7	0.6
Motor Home	1	0	0	1	0.1
Farm Equipment	0	0	0	0	0.0
Construction Equipment	8	0	0	8	0.7
Fire Engine	0	0	0	0	0.0
Snowmobile	7	21	3	31	2.8
Streetcar	0	0	0	0	0.0
Other	1	0	0	1	0.1
Unknown	35	1	0	36	3.3
Total	**840**	**248**	**6**	**1094**	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	733	221	2	956	87.4
Defective Brakes	2	4	0	6	0.5
Defective Steering	0	0	0	0	0.0
Defective Lighting	0	2	0	2	0.2
Tire Blown Out	5	4	0	9	0.8
Unsecured Load, Spilled Load	0	1	0	1	0.1
Oversized Load, Overload	1	0	0	1	0.1
Visibility Obstructed	14	3	0	17	1.6
Other Defective Vehicular Parts	19	0	0	19	1.7
Other Vehicular Factor	0	0	0	0	0.0
Unknown	66	13	4	83	7.6
Total	**840**	**248**	**6**	**1094**	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	354	179	6	539	49.3
Turning Left	62	12	0	74	6.8
Turning Right	43	10	0	53	4.8
Making U-Turn	3	2	0	5	0.5
Changing Lanes	5	0	0	5	0.5
Merging	0	0	0	0	0.0
Reversing	96	6	0	102	9.3
Overtaking	6	2	0	8	0.7
Negotiating Curve	0	0	0	0	0.0
Slowing or Stopped in Traffic	63	23	0	86	7.9
Starting in Traffic	6	1	0	7	0.6
Leaving Roadside	13	1	0	14	1.3
Stopped/Parked Legally	125	10	0	135	12.3
Stopped/Parked Illegally	11	0	0	11	1.0
Swerving to Avoid Collision	9	2	0	11	1.0
Run-away or Roll-away Vehicle	7	0	0	7	0.6
Unspecified Manoeuvre	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	37	0	0	37	3.4
Total	**840**	**248**	**6**	**1094**	100.0

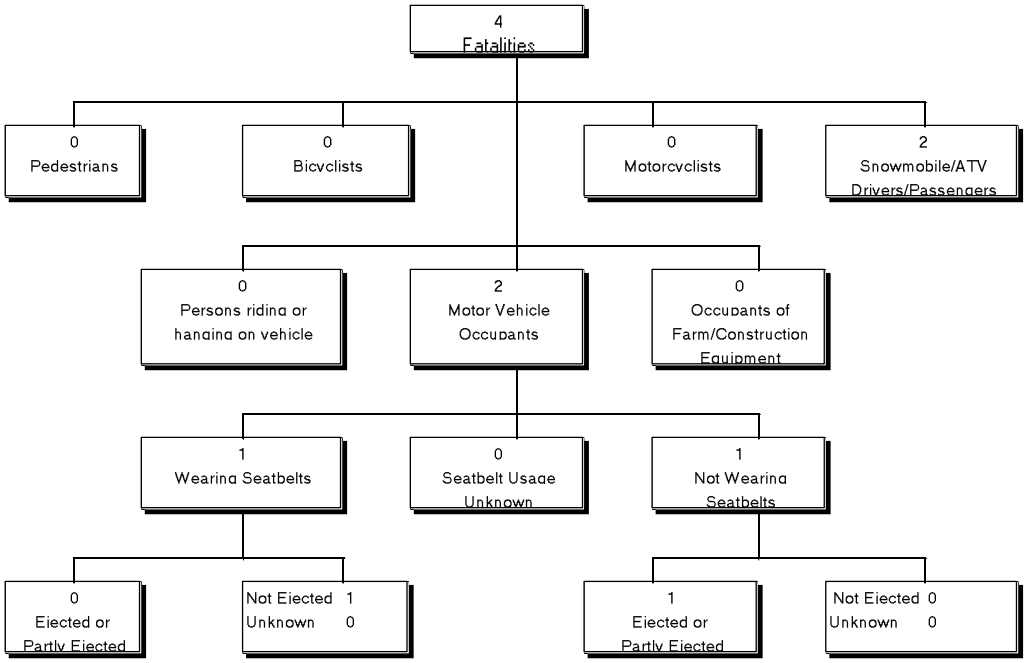
Number of Vehicles in Collisions by Vehicle Year and Severity

Figure 6.4

Model Year	Property Damage	Personal Injury	Fatal	Total	%
1994	3	1	0	4	0.4
1993	35	18	0	53	4.8
1992	67	18	1	86	7.9
1991	85	22	1	108	9.9
1990	80	25	1	106	9.7
1989	91	30	2	123	11.2
1988	90	19	0	109	10.0
1987	45	9	0	54	4.9
1986	53	19	0	72	6.6
1985	48	11	1	60	5.5
1984	37	9	0	46	4.2
1983	22	8	0	30	2.7
1982 & Older	135	46	0	181	16.5
Unspecified	49	13	0	62	5.7
Total	**840**	**248**	**6**	**1094**	100.0

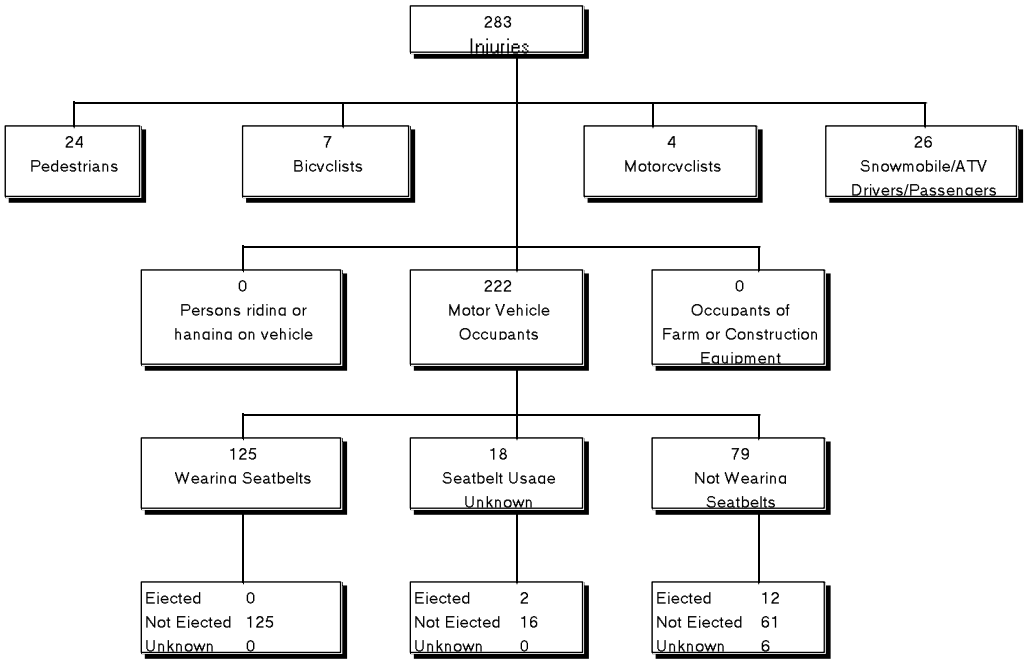
Fatalities Classification
(January 1 to December 31, 1993)

Figure 7.1



Injuries Classification
(January 1 to December 31, 1993)

Figure 7.2



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	14	21	35	18	13	5	4	0	110	38.9
Motor Vehicle Passenger	4	22	20	19	12	8	8	1	1	17	112	39.6
Pedestrian	3	5	1	3	5	1	1	1	1	3	24	8.5
Bicyclist	0	4	2	0	0	0	0	0	0	1	7	2.5
Motorcyclist (includes passengers	0	0	1	0	2	1	0	0	0	0	4	1.4
ATV Operators & Passengers	1	2	2	0	0	0	0	0	0	0	5	1.8
Snowmobile Operators & Passengers	0	4	4	5	4	1	0	2	1	0	21	7.4
Farm/Construction Equipment	0	0	0	0	0	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0	0	0	0	0	0.0
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	8	37	44	48	58	29	22	9	7	21	283	100.0

Persons Killed by Road User Class and Age Group

Figure 7.4

Road User Class	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older	Not Stated	Total	%
Motor Vehicle Driver	0	0	0	0	0	1	0	0	0	0	1	25.0
Motor Vehicle Passenger	0	0	0	0	0	0	0	0	1	0	1	25.0
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	1	0	0	0	0	0	1	0	0	2	50.0
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	1	0	0	0	1	0	1	1	0	4	100.0

Persons Injured or Killed by Road User Class and Gender

Figure 7.5

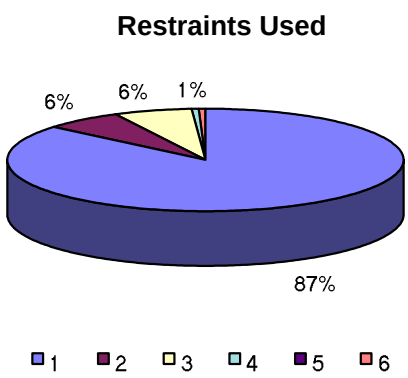
	Persons Injured				Person Killed			
Road User Class	Male	Female	Unknown	Total	Male	Female	Unknown	Total
Motor Vehicle Driver	72	38	0	110	0	1	0	1
Motor Vehicle Passenger	43	68	1	112	0	1	0	1
Pedestrian	15	9	0	24	0	0	0	0
Bicyclist	3	4	0	7	0	0	0	0
Motorcyclist (includes passengers)	4	0	0	4	0	0	0	0 0
ATV Operators & Passengers	1	4	0	5	0	0	0	0
Snowmobile Operators & Passengers	15	6	0	21	1	1	0	2
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	153	129	1	283	1	3	0	4

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	233	71	717	0	285	**1306**	85.4
Minimal Injuries	28	4	54	0	4	**90**	5.9
Minor Injuries	32	5	52	0	11	**100**	6.5
Major (Hospital Admission)	14	0	6	0	3	**23**	1.5
Fatal	1	1	0	0	0	**2**	0.1
Injured - Extent Unknown	5	2	2	0	0	**9**	0.6
Total	**313**	**83**	**831**	**0**	**303**	**1530**	100.0

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



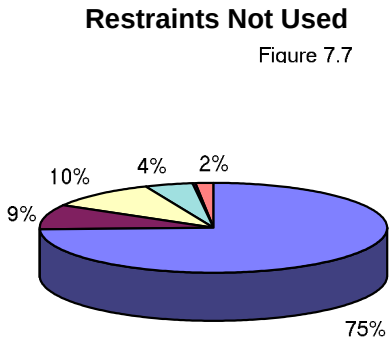


Figure 7.7

1. Not Injured 2. Minor 3. Mode 4. Maior 5. Fatal 6. Injured - extent unknown

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

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	19	43	92	107	196	163	76	35	14	43	788
Minimal Injuries	1	5	5	7	15	6	6	4	2	7	58
Minor Injuries	0	1	6	6	14	15	9	1	3	2	57
Major (Hospital Admission)	0	0	1	1	3	0	1	0	0	0	6
Fatal	0	0	0	0	0	0	0	0	1	0	1
Injured - Extent Unknown	0	0	1	0	1	0	0	0	0	2	4
Total	**20**	**49**	**105**	**121**	**229**	**184**	**92**	**40**	**20**	**54**	**914**

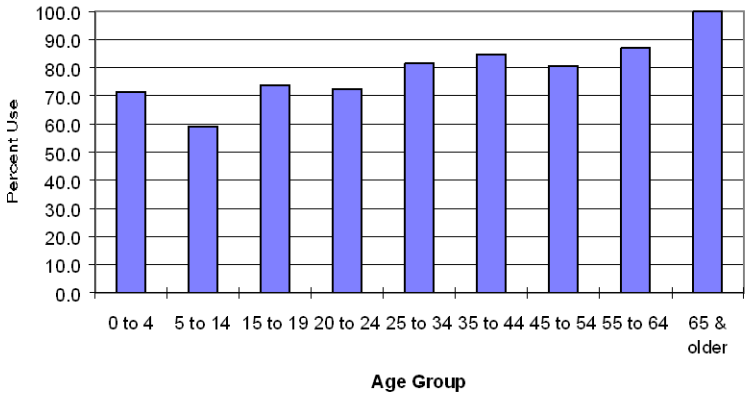
Restraints Not Used

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	5	18	21	25	44	27	17	6	0	70	233
Minimal Injuries	0	10	4	6	5	1	0	0	0	2	28
Minor Injuries	2	4	4	13	2	1	3	0	0	3	32
Major (Hospital Admission)	1	2	4	2	1	3	1	0	0	0	14
Fatal	0	0	0	0	0	1	0	0	0	0	1
Injured - Extent Unknown	0	0	4	0	0	0	1	0	0	0	5
Total	**8**	**34**	**37**	**46**	**52**	**33**	**22**	**6**	**0**	**75**	**313**

* 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

	Age Group											
	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	3	5	1	3	5	1	1	1	1	3	24	100.0
Killed	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	3	5	1	3	5	1	1	1	1	3	24	
%	12.5	20.8	4.2	12.5	20.8	4.2	4.2	4.2	4.2	12.5	100.0	100.0

Pedestrians Injured or Killed by Pedestrian Action and Age Group

Figure 8.2

	Age Group											
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	2	0	0	0	0	0	0	0	0	2	8.3
Crossing Intersection With Traffic Control, Without Right-of-Way	0	0	0	0	0	0	0	0	0	0	0	0.0
Crossing Intersection - No Traffic Control	0	0	0	0	0	0	0	0	0	0	0	0.0
Crossing Roadway at Crosswalk	0	0	0	0	0	1	0	0	0	0	1	4.2
Crossing Roadway Not at Intersection	1	0	0	1	0	0	0	1	0	0	3	12.5
Walking Along Roadway Against Traffic	0	0	0	0	1	0	0	0	1	1	3	12.5
Walking Along Roadway With Traffic	0	0	0	1	1	0	0	0	0	0	2	8.3
On Sidewalk, Median, Safety Zone	0	0	0	0	0	0	0	0	0	0	0	0.0
Walking on Travelled Part of Roadway Against Traffic	0	0	0	0	0	0	0	0	0	0	0	0.0
Walking on Travelled Part of Roadway With Traffic	0	0	0	0	0	0	0	0	0	0	0	0.0
Coming from Behind Parked Vehicle/Object on Roadside	0	1	0	1	0	0	0	0	0	0	2	8.3
Coming from Behind Moving Vehicle	0	0	0	0	0	0	0	0	0	0	0	0.0
Running into Roadway	2	1	1	0	0	0	0	0	0	0	4	16.7
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	1	1	4.2
Pushing Vehicle on Road	0	0	0	0	1	0	1	0	0	0	2	8.3
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	1	1	4.2
Working on Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0
Lying on Road	0	1	0	0	0	0	0	0	0	0	1	4.2
Other	0	0	0	0	2	0	0	0	0	0	2	8.3
Unknown	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	3	5	1	3	5	1	1	1	1	3	24	100.0

Pedestrians Injured or Killed By Place of Occurrence and Injury Severity

Figure 8.3

Place of Occurrence	Killed	Injured	Total	%
Urban	0	22	22	91.7
Rural	0	2	2	8.3
Unspecified	0	0	0	0.0
Total	0	24	24	100.0

Pedestrians Injured or Killed by Accident Site

Figure 8.4

Accident Site	Killed	Injured	Total	%
Non-Intersection	0	9	**9**	37.5
At Intersection of At Least Two Roadways	0	5	**5**	20.8
Intersection With Parking Lot/Driveway/Alley	0	8	**8**	33.3
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	2	**2**	8.3
Unspecified	0	0	**0**	0.0
Total	**0**	**24**	**24**	100.0

Pedestrians Injured or Killed by Pedestrian Condition

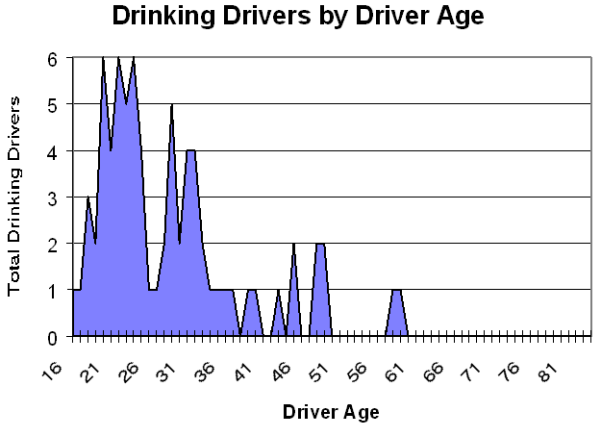
Figure 8.5

Pedestrian Condition	Killed	Injured	Total	%
Apparently Normal	0	18	18	75.0
Fatigued, Fell Asleep	0	0	0	0.0
Inexperience	0	0	0	0.0
Under Influence - Alcohol	0	5	5	20.8
Under Influence - Drugs	0	0	0	0.0
Sudden Illness. Lost Conciousness	0	0	0	0.0
Other Condition	0	0	0	0.0
Unknown	0	1	1	4.2
Total	**0**	**24**	**24**	100.0

Drinking Drivers in Collisions by Driver Age and Gender

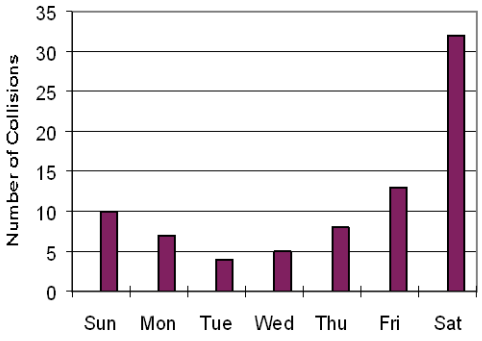
Figure 9.1

Driver Age	Male	Female	Not Stated	Total Drinking Drivers
Under 16	0	2	0	**2**
16	0	1	0	**1**
17	1	0	0	**1**
18	2	1	0	**3**
19	2	0	0	**2**
20	5	1	0	**6**
21 to 24	19	2	0	**21**
25 to 34	22	4	0	**26**
35 to 44	5	1	0	**6**
45 to 54	5	1	0	**6**
55 to 64	2	0	0	**2**
65 & Older	0	0	0	**0**
Not Stated	0	0	0	**0**
Total	**63**	**13**	**0**	**76**



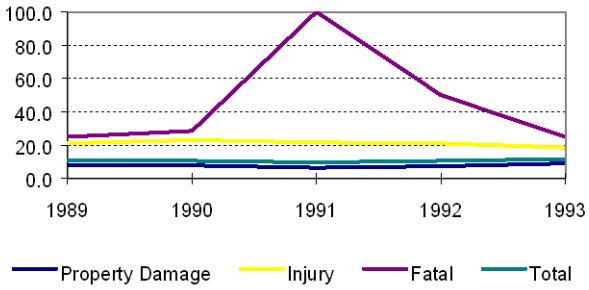
Collisions Involving Alcohol by Day of Week

Figure 9.2



Percentage of Collisons Involving Alcohol by Year and Severity

Figure 9.3



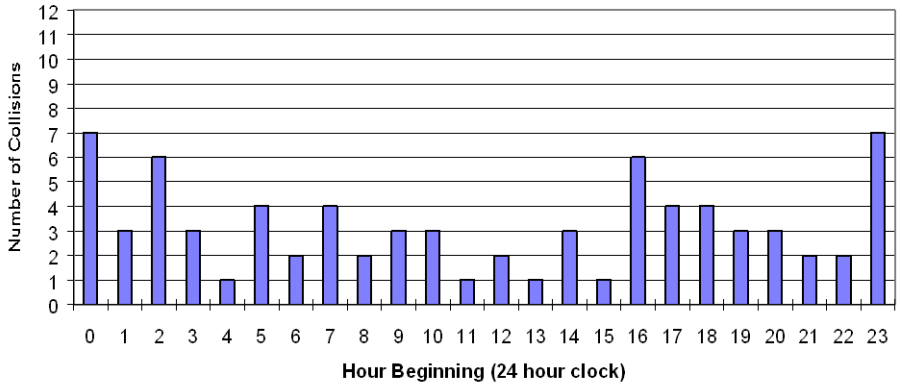
Number of Collisions and Victims Involving Alcohol

Figure 9.4

	Number of Collisions					Number of Victims			
Year	Property Damage	Personal Injury	Fatal	Total	% of Total Collisions	Injured	Killed	Total	% of Total Victims
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	45	33	1	79	11.7	60	1	61	21.3
Average	**50**	**36**	**2**	**88**	**11**	**60**	**2**	**63**	**24.5**

Number of Alcohol Related Collisions by Time of Day

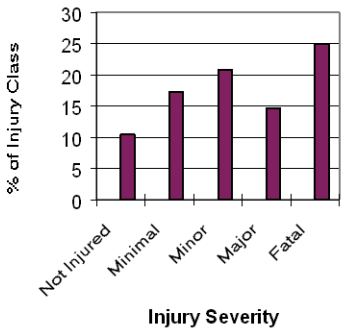
Figure 9.5



Injury Severity by Alcohol Involvement

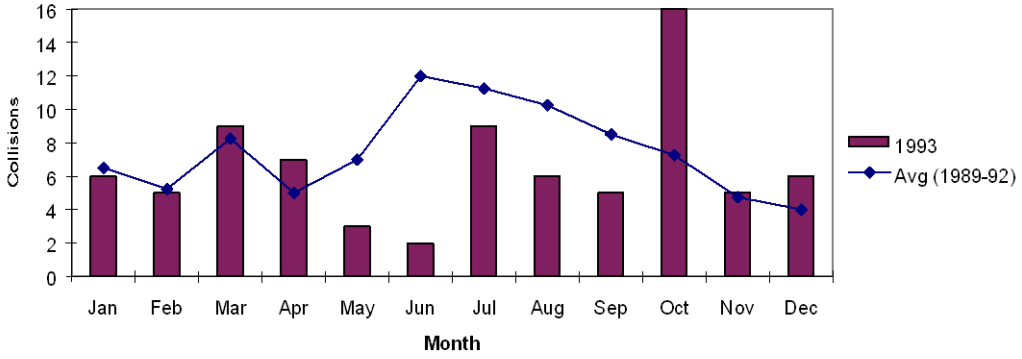
Figure 9.6

Injury Severity	Alcohol Involvement Yes	No	Totals	% with Alcohol
Not Injured	139	1,190	1329	10.5
Minimal Injuries	19	91	110	17.3
Minor	27	103	130	20.8
Major	5	29	34	14.7
Fatal	1	3	4	25.0
Injured - Extent Unknown	0	9	9	0.0
Total	**191**	**1425**	**1616**	**11.8**



Alcohol-Involved Collisions by Month

Figure 9.7



Off-Road Vehicle Collisions by Month and Severity

Figure 10.1

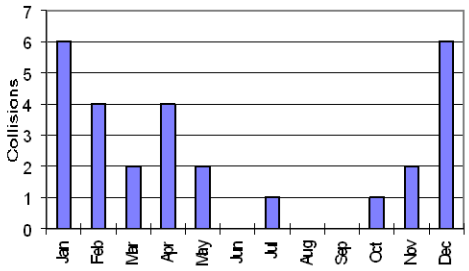
	Number of Collisions				Number of Victims	
Month	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	2	4	0	6	4	0
February	0	4	0	4	5	0
March	0	1	1	2	2	1
April	0	3	1	4	7	1
May	1	1	0	2	1	0
June	0	0	0	0	0	0
July	1	0	0	1	0	0
August	0	0	0	0	0	0
September	0	0	0	0	0	0
October	1	0	0	1	0	0
November	1	1	0	2	1	0
December	5	1	0	6	1	0
Total	**11**	**15**	**2**	**28**	**21**	**2**

Off-Road Vehicle Collisions by Vehicle Type

Figure 10.2

	Snowmobile	ATV	Total
Total Victims	**23**	**5**	**28**
Killed	2	0	2
Injured	21	5	26
Total Vehicles Involved	**31**	**2**	**33**
Fatal	3	0	3
Injury	21	2	23
Property Damage	7	0	7

Off-Road Vehicle Collisions by Month



Off-Road Vehicle Drivers in Collisions by Driver Age and Gender Figure 10.3

	Snowmobile			ATV				
Age Group	Male	Female	Unknown	Male	Female	Unknown	Total	%
0 to 4	0	0	0	0	0	0	0	0.0
5 to 14	2	2	0	1	1	0	6	18.8
15 to 19	4	1	0	0	0	0	5	15.6
20 to 24	4	2	0	0	0	0	6	18.8
25 to 34	5	0	0	0	0	0	5	15.6
35 to 44	2	0	0	0	0	0	2	6.3
45 to 54	1	0	0	0	0	0	1	3.1
55 to 64	3	0	0	0	0	0	3	9.4
65 & Over	1	0	0	0	0	0	1	3.1
Unknown	0	0	3	0	0	0	3	9.4
Total	22	5	3	1	1	0	32	100.0

Off-Road Vehicle Drivers in Collisions by Driver Condition and Severity Figure 10.4

Driver Condition	Property Damage	Personal Injury	Fatal	Total	%
Apparently Normal	5	16	2	23	71.9
Fatigue/Fell Asleep	0	0	0	0	0.0
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	0	7	1	8	25.0
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consiousness	0	0	0	0	0.0
Other Condition	0	0	0	0	0.0
Unknown	1	0	0	1	3.1
Total	6	23	3	32	100.0

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

Figure 10.5

Driver Action	Property Damage	Personal Injury	Fatal	Total	%
Driving Properly	0	6	2	8	25.0
Following Too Closely	0	0	0	0	0.0
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	1	4	0	5	15.6
Improper Turning or Passing	0	0	0	0	0.0
Failed to Yield Right-of-Way	0	6	0	6	18.8
Disobeyed Traffic Control or Officer	0	0	0	0	0.0
Driving on Wrong Side of Road	1	3	1	5	15.6
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	0	0	0	0.0
Lost Control	3	4	0	7	21.9
Other	1	0	0	1	3.1
Unknown	0	0	0	0	0.0
Total	**6**	**23**	**3**	**32**	**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	0	11	4	15	34.9
Minimal Injuries	0	7	0	7	16.3
Minor Injuries	1	13	0	14	32.6
Major (Hospital Admission)	1	4	0	5	11.6
Fatal	0	2	0	2	4.7
Injured - Extent Unknown	0	0	0	0	0.0
Total	**2**	**37**	**4**	**43**	**100.0**

Collisions by Region, RCMP Detachment and Severity

Figure 11.1

A - Inuvik Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Aklavik	3	5	0	8	10	0
Deline	1	3	0	4	3	0
Fort Good Hope	1	4	0	5	6	0
Fort McPherson	11	6	1	18	9	1
Holman	0	0	0	0	0	0
Inuvik	66	12	1	79	21	1
Norman Wells	5	4	0	9	7	0
Sachs Harbour	2	1	0	3	2	0
Tuktoyaktuk	8	2	1	11	3	1
Tulita	1	0	0	1	0	0
Sub Total Inuvik Region	**98**	**37**	**3**	**138**	**61**	**3**

B - Fort Simpson Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Fort Liard	4	4	0	8	6	0
Fort Simpson	19	4	0	23	6	0
Sub Total Fort Simpson Region	**23**	**8**	**0**	**31**	**12**	**0**

C - South Slave Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Hay River	73	30	0	103	41	0
Fort Providence	22	8	0	30	11	0
Fort Resolution	4	0	0	4	0	0
Fort Smith	31	16	0	47	18	0
Lutsel K'e	1	2	0	3	2	0
Sub Total South Slave Region	**131**	**56**	**0**	**187**	**72**	**0**

D - North Slave Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Rae/Wha Ti	26	18	1	45	48	1
Yellowknife	217	59	0	276	86	0
Sub Total North Slave Region	**243**	**77**	**1**	**321**	**134**	**1**
Total - All Regions	**495**	**178**	**4**	**677**	**279**	**4**

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 (1993 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Aklavik	8	194	92	868	4.12	8.70	0.92
Deline	4	19	48	613	21.05	8.33	0.65
Fort Good Hope	5	160	90	742	3.13	5.56	0.67
Fort McPherson	18	207	218	974	8.70	8.26	1.85
Ulukhaktok	0	47	103	395	0.00	0.00	0.00
Inuvik	79	1,806	1,651	3,499	4.37	4.78	2.26
Norman Wells	9	490	653	690	1.84	1.38	1.30
Sachs Harbour	3	41	27	136	7.32	11.11	2.21
Tuktoyaktuk	11	375	252	1,275	2.93	4.37	0.86
Tulita	1	0	74	408	0.00	1.35	0.25
Sub Total Inuvik Region	**138**	**3,339**	**3,208**	**9,600**	**4.13**	**4.30**	**1.44**

B - Fort Simpson Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1993 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Fort Liard	8	152	176	533	5.26	4.55	1.50
Fort Simpson	23	723	779	1,604	3.18	2.95	1.43
Sub Total Fort Simpson Region	**31**	**875**	**955**	**2,137**	**3.54**	**3.25**	**1.45**

C - South Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1993 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Hay River	103	2,637	3,620	3,850	3.91	2.85	2.68
Fort Providence	30	244	283	714	12.30	10.60	4.20
Fort Resolution	4	230	197	551	1.74	2.03	0.73
Fort Smith	47	1,536	1,564	2,698	3.06	3.01	1.74
Lutsel K'e	3	32	25	314	9.38	12.00	0.96
Sub Total South Slave Region	**187**	**4,679**	**5,689**	**8,127**	**4.00**	**3.29**	**2.30**

D - North Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1993 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Behchoko/Whati	45	194	437	2,505	23.20	10.30	1.80
Yellowknife	276	12,131	11,102	16,899	2.28	2.49	1.63
Sub Total North Slave Region	**321**	**12,325**	**11,539**	**19,404**	**2.60**	**2.78**	**1.65**
Total - All Regions	**677**	**21,218**	**21,391**	**39,900**	**3.19**	**3.16**	**1.70**

[1] Number of registered vehicles and licensed drivers are as of December 31, 1993.

[2] 1993 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 1994.

Collisions on the NWT Highway System Figure 11.3

Highway #1 (Mackenzie)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	2.0	21-Mar-1993	Injury	Ran Off Road	1	0
	10.0	4-Jan-1993	Property Damage	Single Vehicle Rollover	0	0
	12.0	4-Jul-1993	Injury	Single Vehicle Rollover	1	0
	16.0	2-Feb-1993	Property Damage	Single Vehicle Rollover	0	0
	34.0	17-Nov-1993	Property Damage	Ran Off Road	0	0
	84.0	19-Oct-1993	Property Damage	Single Vehicle Rollover	0	0
	85.0	12-Sep-1993	Injury	Single Vehicle Rollover	1	0
	86.0	3-Oct-1993	Injury	Single Vehicle Rollover	1	0
	167.0	6-Apr-1993	Injury	Single Vehicle Rollover	1	0
	168.0	14-Jun-1993	Injury	Single Vehicle Rollover	2	0
	186.0	17-Aug-1993	Injury	Animal Strike	1	0
	187.5	5-Feb-1993	Property Damage	Rear End	0	0
	260.0	30-Oct-1993	Property Damage	Single Vehicle Rollover	0	0
	268.0	11-Mar-1993	Property Damage	Ran Off Road	0	0
	427.0	27-Oct-1993	Injury	Single Vehicle Rollover	1	0
	454.0	2-Aug-1993	Property Damage	Single Vehicle Rollover	0	0
	461.0	24-Mar-1993	Property Damage	Collision with Fixed Object	0	0
	464.0	24-Mar-1993	Injury	Single Vehicle Rollover	1	0

Summary Highway #1	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	9	9	0	18	10	0

Highway #2 (Hay River)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	0.0	7-Dec-1993	Property Damage	Single Vehicle Rollover	0	0
	6.0	6-Feb-1993	Injury	Sideswipe - Opposite Direction	1	0
	17.0	30-Mar-1993	Injury	Single Vehicle Rollover	1	0
	23.0	23-Feb-1993	Injury	Sideswipe - Opposite Direction	1	0
	23.0	13-May-1993	Property Damage	Collision with Fixed Object	0	0
	28.0	18-Oct-1993	Injury	Single Vehicle Rollover	1	0
	30.0	12-Apr-1993	Injury	Ran Off Road	1	0
	32.0	4-Jan-1993	Property Damage	Single Vehicle Rollover	0	0
	32.0	7-Apr-1993	Property Damage	Collision with Fixed Object	0	0
	32.0	16-Jul-1993	Injury	Single Vehicle Rollover	1	0
	32.0	30-Oct-1993	Property Damage	Collision with Fixed Object	0	0
	33.0	28-Nov-1993	Property Damage	Single Vehicle Rollover	0	0
	33.0	27-Dec-1993	Injury	Single Vehicle Rollover	4	0
	34.0	30-Oct-1993	Property Damage	Collision with Fixed Object	0	0
	36.1	26-Sep-1993	Property Damage	Collision with Fixed Object	0	0
	38.0	10-May-1993	Injury	Single Vehicle Rollover	1	0
	38.0	8-Jun-1993	Property Damage	Left Turn Across Path	0	0
	38.0	15-Jul-1993	Injury	Collision with Fixed Object	2	0
	38.0	7-Nov-1993	Injury	Right Angle	2	0
	38.0	4-Dec-1993	Injury	Other Multi-Vehicle Collision	2	0
	38.8	17-Jan-1993	Property Damage	Right Angle	0	0
	38.8	19-Dec-1993	Injury	Right Angle	1	0
	39.5	19-Feb-1993	Property Damage	Other Multi-Vehicle Collision	0	0
	40.0	21-Aug-1993	Injury	Single Vehicle Rollover	2	0
	40.0	28-Nov-1993	Property Damage	Other Multi-Vehicle Collision	0	0
	41.0	23-Mar-1993	Property Damage	Sideswipe - Opposite Direction	0	0
	43.8	5-Feb-1993	Property Damage	Head-on	0	0
	43.9	22-Jul-1993	Injury	Other Multi-Vehicle Collision	1	0
	44.3	25-Oct-1993	Injury	Collision with Fixed Object	1	0

Summary Highway #2	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	14	15	0	29	22	0

Highway #3 (Yellowknife)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	0.0	5-Dec-1993	Property Damage	Single Vehicle Rollover	0	0
	23.0	21-Jan-1993	Injury	Collision with Parked Vehicle	1	0
	25.0	29-Aug-1993	Property Damage	Collision with Fixed Object	0	0
	38.0	31-Aug-1993	Property Damage	Animal Strike	0	0
	51.0	10-Oct-1993	Property Damage	Animal Strike	0	0
	63.0	15-Aug-1993	Property Damage	Animal Strike	0	0
	67.0	5-Dec-1993	Property Damage	Animal Strike	0	0
	71.0	19-Jul-1993	Property Damage	Collision with Fixed Object	0	0
	75.0	19-Aug-1993	Property Damage	Other Multi-Vehicle Collision	0	0
	92.0	9-Jun-1993	Injury	Single Vehicle Rollover	2	0
	96.0	3-Feb-1993	Property Damage	Single Vehicle Rollover	0	0
	96.0	5-Feb-1993	Injury	Animal Strike	2	0
	101.0	17-Jul-1993	Injury	Single Vehicle Rollover	1	0
	124.0	22-Jan-1993	Property Damage	Collision with Fixed Object	0	0
	136.0	20-Jun-1993	Property Damage	Collision with Fixed Object	0	0
	160.0	19-Dec-1993	Injury	Collision with Parked Vehicle	3	0
	164.0	1-Aug-1993	Injury	Single Vehicle Rollover	2	0
	166.0	22-Sep-1993	Property Damage	Ran Off Road	0	0
	172.0	23-Feb-1993	Property Damage	Single Vehicle Rollover	0	0
	208.0	7-Jul-1993	Injury	Ran Off Road	6	0
	216.0	22-Nov-1993	Property Damage	Collision with Parked Vehicle	0	0
	221.0	15-Jul-1993	Injury	Single Vehicle Rollover	3	0
	225.0	12-Oct-1993	Injury	Passing - Left Turn	3	0
	225.0	13-Nov-1993	Property Damage	Sideswipe Same Direction	0	0
	238.0	5-Nov-1993	Property Damage	Ran Off Road	0	0
	240.0	25-Oct-1993	Property Damage	Ran Off Road	0	0
	249.0	27-Nov-1993	Injury	Single Vehicle Rollover	10	0
	251.0	20-Sep-1993	Property Damage	Single Vehicle Rollover	0	0
	255.0	5-Sep-1993	Property Damage	Single Vehicle Rollover	0	0
	257.0	21-Oct-1993	Injury	Single Vehicle Rollover	1	0
	258.0	18-Jul-1993	Injury	Single Vehicle Rollover	1	0
	266.0	18-Jul-1993	Injury	Ran Off Road	1	0
	273.0	1-Feb-1993	Property Damage	Single Vehicle Rollover	0	0
	273.0	21-Oct-1993	Injury	Single Vehicle Rollover	2	0
	288.0	23-Jun-1993	Injury	Head-on	3	0
	289.0	17-Apr-1993	Property Damage	Collision with Fixed Object	0	0
	290.0	10-Jul-1993	Property Damage	Single Vehicle Rollover	0	0
	293.0	8-Mar-1993	Property Damage	Single Vehicle Rollover	0	0
	294.0	15-Aug-1993	Property Damage	Single Vehicle Rollover	0	0
	295.0	26-Oct-1993	Property Damage	Single Vehicle Rollover	0	0
	298.0	14-Nov-1993	Fatal	Single Vehicle Rollover	0	1
	301.0	26-Oct-1993	Property Damage	Single Vehicle Rollover	0	0
	301.0	12-Dec-1993	Property Damage	Collision with Fixed Object	0	0
	303.0	4-Apr-1993	Injury	Collision with Fixed Object	2	0
	304.0	20-Aug-1993	Property Damage	Ran Off Road	0	0
	309.0	6-Mar-1993	Property Damage	Ran Off Road	0	0
	319.0	18-Dec-1993	Property Damage	Rear End	0	0
	322.0	21-Oct-1993	Property Damage	Ran Off Road	0	0
	334.0	24-Mar-1993	Property Damage	Other Single Vehicle Collision	0	0
	335.7	26-Jun-1993	Property Damage	Right Angle	0	0
	336.7	20-Dec-1993	Property Damage	Other Multi-Vehicle Collision	0	0
	338.8	9-May-1993	Injury	Collision with Fixed Object	6	0
	338.8	16-Aug-1993	Injury	Collision with Fixed Object	2	0

Summary Highway #3	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	34	18	1	53	51	1

Highway #4 (Ingraham Trail)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	1.0	21-Dec-1993	Property Damage	Ran Off Road	0	0
	3.0	26-May-1993	Injury	Collision with Pedestrian	1	0
	3.1	5-Apr-1993	Injury	Collision with Pedestrian	1	0
	4.0	7-May-1993	Injury	Single Vehicle Rollover	5	0
	4.9	15-Mar-1993	Property Damage	Ran Off Road	0	0
	5.0	24-Mar-1993	Property Damage	Other Multi-Vehicle Collision	0	0
	5.0	3-May-1993	Injury	Single Vehicle Rollover	1	0
	7.0	25-Oct-1993	Property Damage	Collision with Fixed Object	0	0
	9.0	13-Mar-1993	Injury	Single Vehicle Rollover	1	0
	10.0	13-Jan-1993	Property Damage	Ran Off Road	0	0
	10.0	28-Jun-1993	Injury	Single Vehicle Rollover	1	0
	27.0	12-Nov-1993	Property Damage	Rear End	0	0
	30.0	1-Nov-1993	Injury	Ran Off Road	1	0
	31.0	24-Aug-1993	Property Damage	Single Vehicle Rollover	0	0
	36.0	3-Jan-1993	Property Damage	Ran Off Road	0	0
	42.0	21-Jun-1993	Injury	Single Vehicle Rollover	2	0
	44.0	18-Jun-1993	Injury	Single Vehicle Rollover	2	0

Summary Highway #4	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	8	9	0	17	15	0

Highway #5 (Fort Smith Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	2.0	21-May-1993	Property Damage	Single Vehicle Rollover	0	0
	2.0	29-Aug-1993	Property Damage	Ran Off Road	0	0
	2.0	21-Oct-1993	Property Damage	Collision with Fixed Object	0	0
	9.0	1-Aug-1993	Injury	Single Vehicle Rollover	1	0
	20.0	5-Aug-1993	Property Damage	Collision with Fixed Object	0	0
	29.0	30-Nov-1993	Injury	Single Vehicle Rollover	3	0
	30.0	6-Dec-1993	Injury	Single Vehicle Rollover	2	0
	39.0	25-Nov-1993	Property Damage	Single Vehicle Rollover	0	0
	44.0	21-Oct-1993	Property Damage	Ran Off Road	0	0
	47.0	21-Oct-1993	Injury	Single Vehicle Rollover	1	0
	61.0	12-Aug-1993	Property Damage	Other Single Vehicle Collision	0	0
	61.0	21-Oct-1993	Property Damage	Other Multi-Vehicle Collision	0	0
	91.0	28-Oct-1993	Property Damage	Head-on	0	0
	108.0	4-Jun-1993	Property Damage	Ran Off Road	0	0
	134.0	3-Jul-1993	Injury	Single Vehicle Rollover	2	0
	166.0	5-Feb-1993	Injury	Single Vehicle Rollover	2	0
	180.0	23-Oct-1993	Property Damage	Collision with Fixed Object	0	0
	191.0	9-Nov-1993	Injury	Ran Off Road	1	0
	192.0	16-May-1993	Injury	Single Vehicle Rollover	1	0
	215.0	21-Mar-1993	Property Damage	Other Single Vehicle Collision	0	0
	216.0	21-May-1993	Injury	Single Vehicle Rollover	1	0
	231.0	23-Oct-1993	Property Damage	Single Vehicle Rollover	0	0
	246.0	16-Jul-1993	Injury	Single Vehicle Rollover	1	0
	250.0	15-Dec-1993	Property Damage	Animal Strike	0	0
	255.0	10-Feb-1993	Injury	Right Angle	1	0
	255.0	2-Jul-1993	Injury	Ran Off Road	1	0
	262.7	26-Mar-1993	Injury	Right Angle	1	0
	264.1	14-Jul-1993	Property Damage	Passing - Left Turn	0	0
	266.0	14-Nov-1993	Property Damage	Ran Off Road	0	0

Summary Highway #5	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	16	13	0	29	18	0

Highway #6 (Fort Resolution Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	77.0	19-Nov-1993	Property Damage	Ran Off Road	0	0
	90.0	12-Oct-1993	Property Damage	Single Vehicle Rollover	0	0

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

Highway #7 (Liard Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	10.0	26-Sep-1993	Injury	Collision with Fixed Object	3	0
	37.6	7-Jul-1993	Property Damage	Single Vehicle Rollover	0	0
	112.0	23-Jan-1993	Property Damage	Animal Strike	0	0
	147.0	19-Sep-1993	Property Damage	Animal Strike	0	0
	153.0	14-Feb-1993	Property Damage	Animal Strike	0	0

Summary Highway #7	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	4	1	0	5	3	0

Highway #8 (Dempster Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	10.0	24-Jul-1997	Property Damage	Rear End	0	0
	64.0	31-Jan-1997	Property Damage	Other Multi-Vehicle Collision	0	0
	65.0	6-Sep-1997	Injury	Single Vehicle Rollover	1	0
	69.0	12-Apr-1997	Property Damage	Single Vehicle Rollover	0	0
	84.0	1-Mar-1997	Injury	Single Vehicle Rollover	1	0
	95.0	23-Jul-1997	Property Damage	Single Vehicle Rollover	0	0
	102.0	4-Aug-1997	Injury	Single Vehicle Rollover	2	0
	128.0	9-Apr-1997	Property Damage	Single Vehicle Rollover	0	0
	144.0	4-Apr-1997	Fatal	Head-on	1	1
	144.0	1-Jan-1998	Property Damage	Single Vehicle Rollover	0	0
	162.0	4-Sep-1997	Property Damage	Collision with Fixed Object	0	0
	172.0	9-Jul-1997	Injury	Ran Off Road	1	0
	192.0	17-Sep-1997	Property Damage	Single Vehicle Rollover	0	0
	200.0	11-Jun-1997	Property Damage	Other Multi-Vehicle Collision	0	0
	206.0	3-Jul-1997	Fatal	Single Vehicle Rollover	5	1
	212.0	8-Mar-1997	Property Damage	Single Vehicle Rollover	0	0
	222.0	20-Aug-1997	Injury	Single Vehicle Rollover	1	0
	250.0	26-Oct-1997	Injury	Single Vehicle Rollover	1	0
	252.0	24-Mar-1997	Property Damage	Collision with Fixed Object	0	0
	269.0	3-Dec-1997	Injury	Single Vehicle Rollover	1	0
	269.8	20-Apr-1997	Injury	Other Multi-Vehicle Collision	1	0
	269.8	25-Jul-1997	Injury	Single Vehicle Rollover	4	0
	269.8	21-Sep-1997	Property Damage	Single Vehicle Rollover	0	0

Summary Highway #8	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	12	9	1	22	19	2

Access and Winter Roads	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
Aklavik Winter Access Road	19-Mar-1993	Injury	Collision with Fixed Object	2	0
Cassidy Point Access Road	3-Jan-1993	Property Damage	Collision with Fixed Object	0	0
Dettah Access Road	24-Sep-1993	Injury	Ran Off Road	1	0
Dettah Access Road	26-Sep-1993	Property Damage	Collision with Fixed Object	0	0
Fort Liard Access Road	27-Jun-1993	Injury	Single Vehicle Rollover	1	0
Fort McPherson Access Road	9-Dec-1993	Property Damage	Other Multi-Vehicle Collision	0	0
Hay River Reserve Access Road	1-Mar-1993	Property Damage	Other Single Vehicle Collision	0	0
Inuvik-Tuktoyaktuk Winter Road	1-Mar-1993	Injury	Other Multi-Vehicle Collision	1	0
Inuvik-Tuktoyaktuk Winter Road	4-Mar-1993	Injury	Single Vehicle Rollover	2	0
Inuvik-Tuktoyaktuk Winter Road	24-Mar-1993	Property Damage	Collision with Fixed Object	0	0
Inuvik-Tuktoyaktuk Winter Road	5-Apr-1993	Property Damage	Collision with Fixed Object	0	0
Inuvik-Tuktoyaktuk Winter Road	8-Apr-1993	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road	8-Apr-1993	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road	29-Apr-1993	Injury	Single Vehicle Rollover	1	0
Kakisa Lake Access Road	8-Aug-1993	Property Damage	Single Vehicle Rollover	0	0
Mackenzie Highway Winter Road	22-Jan-1993	Property Damage	Sideswipe - Opposite Direction	0	0
Mackenzie Highway Winter Road	25-Jan-1993	Property Damage	Other Multi-Vehicle Collision	0	0
Mackenzie Highway Winter Road	31-Jan-1993	Injury	Single Vehicle Rollover	2	0
Mackenzie Highway Winter Road	15-Mar-1993	Property Damage	Head-on	0	0
Mackenzie Highway Winter Road	18-Mar-1993	Property Damage	Collision with Fixed Object	0	0
Mackenzie Highway Winter Road	24-Mar-1993	Injury	Collision with Fixed Object	2	0
Mackenzie Highway Winter Road	25-Aug-1993	Property Damage	Single Vehicle Rollover	0	0
Nagel Channel Road	23-May-1993	Property Damage	Other Single Vehicle Collision	0	0
Rae Access Road	16-May-1993	Property Damage	Ran Off Road	0	0
Rae Access Road	22-Jul-1993	Property Damage	Collision with Fixed Object	0	0
Rae Access Road	22-Jul-1993	Injury	Single Vehicle Rollover	1	0
Rae Access Road	14-Aug-1993	Property Damage	Single Vehicle Rollover	0	0
Rae Access Road	19-Aug-1993	Property Damage	Sideswipe - Opposite Direction	0	0
Rae Access Road	27-Sep-1993	Injury	Single Vehicle Rollover	5	0
Rae Lakes Winter Access Road	2-Apr-1993	Injury	Single Vehicle Rollover	3	0
Vee Lake Access Road	14-Nov-1993	Property Damage	Ran Off Road	0	0
Wha Ti Winter Access Road	15-Mar-1993	Property Damage	Sideswipe - Opposite Direction	0	0
Wha Ti Winter Access Road	27-Mar-1993	Property Damage	Sideswipe - Opposite Direction	0	0

Summary Access and Winter Roads	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	22	11	0	33	21	0

Summary All NWT Highways	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	121	85	2	208	159	3

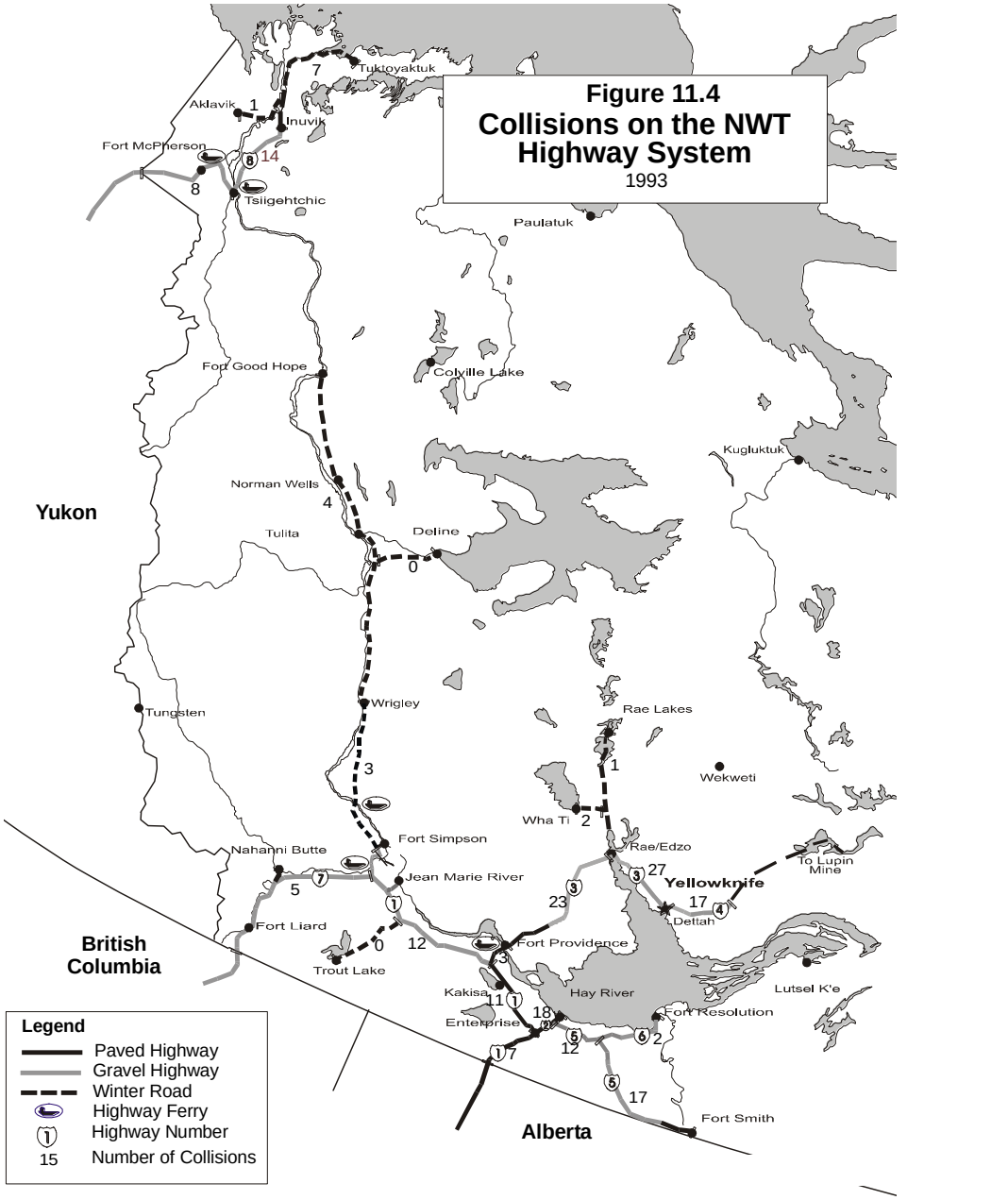
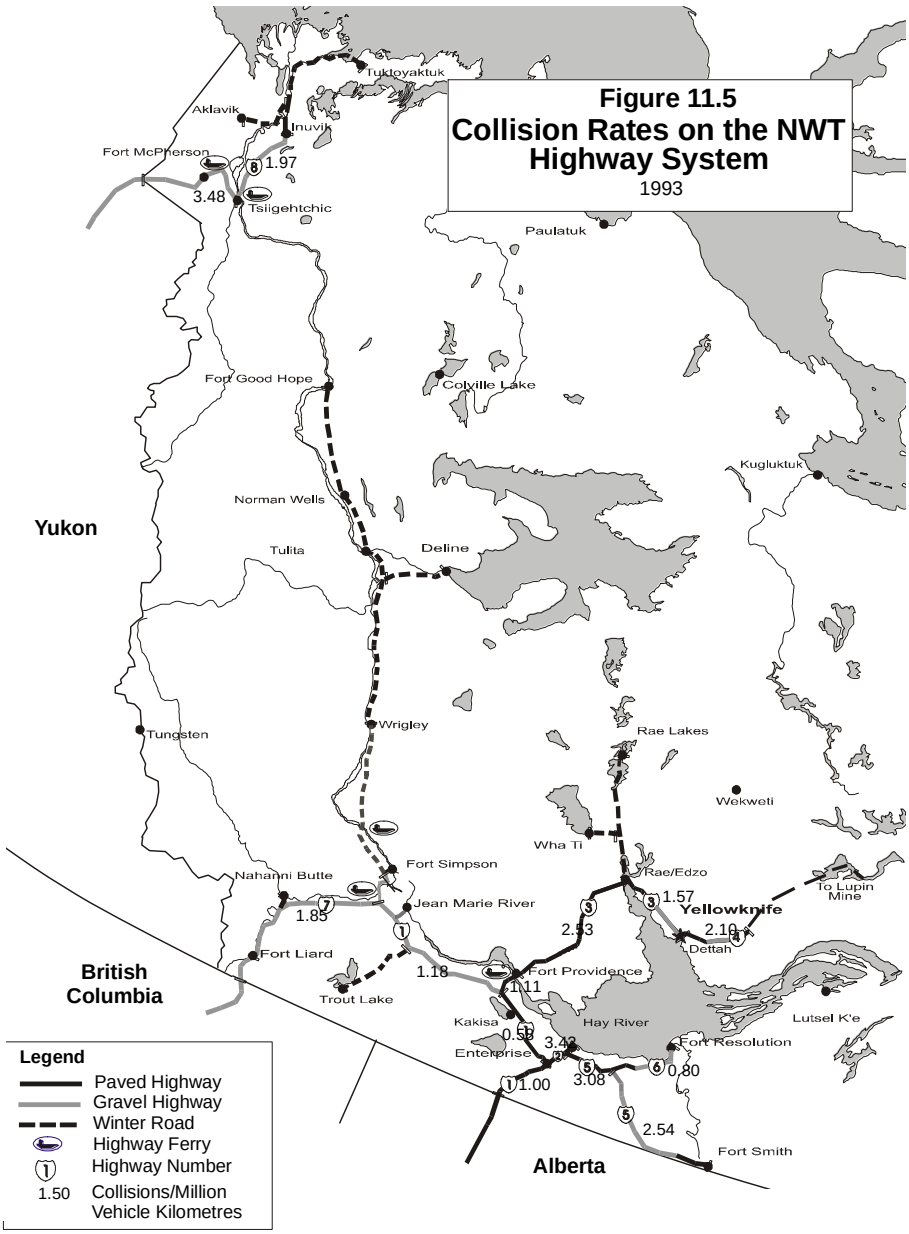
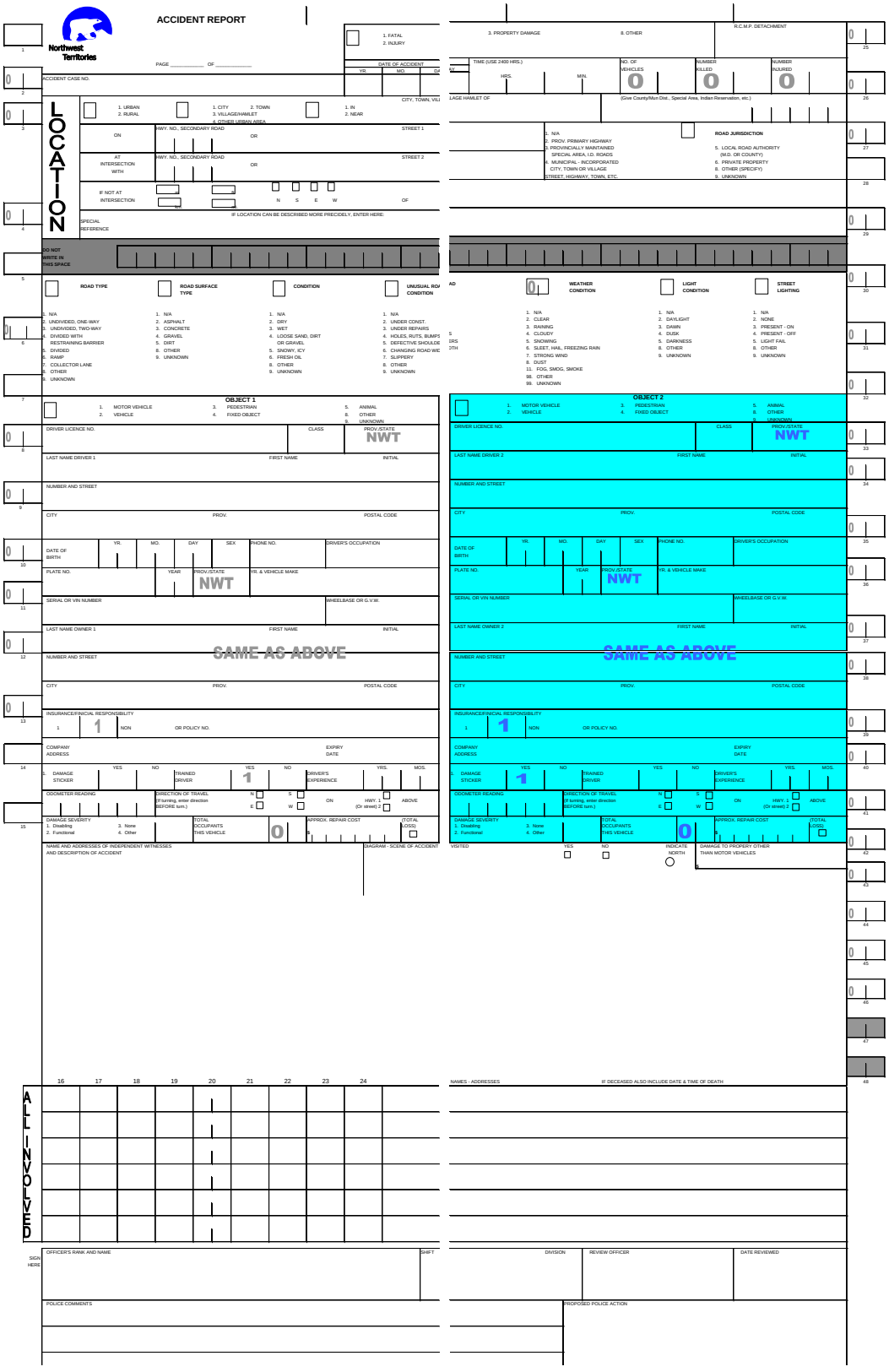
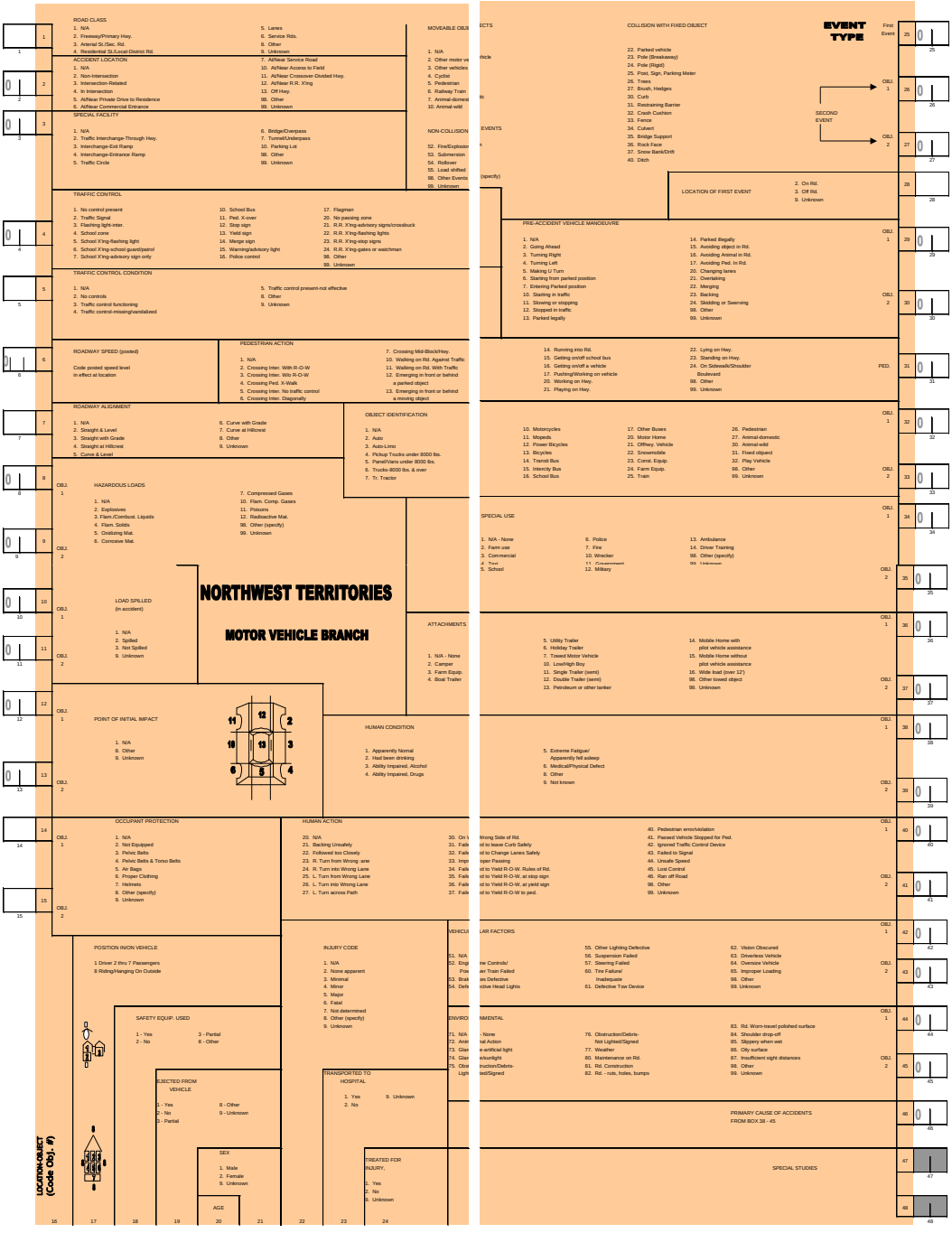


Figure 11.4
Collisions on the NWT Highway System
1993
Tuktoyaktuk
Aklavik
Inuvik
Fort McPherson
Tsiigehtchic
Paulatuk
Fort Good Hope
Colville Lake
Kugluktuk
Norman Wells
Yukon
Tulita
Deline
Wrigley
Tungsten
Rae Lakes
Wekweti
Wha Ti
Fort Simpson
Nahanni Butte
Rae/Edzo
To Lupin Mine
Yellowknife
Jean Marie River
Deltah
Fort Liard
British Columbia
Trout Lake
Fort Providence
Kakisa
Hay River
Lutsel K'e
Enterprise
Fort Resolution
Alberta
Fort Smith
Legend
Paved Highway
Gravel Highway
Winter Road
Highway Ferry
Highway Number
Number of Collisions

Figure 11.5
Collision Rates on the NWT Highway System
1993




ACCIDENT REPORT
Northwest Territories
LOCATION
OBJECT 1
OBJECT 2
NWT
SAME AS ABOVE
SAME AS ABOVE
INVOLVED


NORTHWEST TERRITORIES
MOTOR VEHICLE BRANCH
ROAD CLASS
1. N/A
2. Freeway/Primary Hwy.
3. Arterial SL/Sec. Rd.
4. Residential SL/Local-District Rd.
5. Lanes
6. Service Rds.
8. Other
9. Unknown
ACCIDENT LOCATION
1. N/A
2. Non-Intersection
3. Intersection-Related
4. In Intersection
5. At/Near Private Drive to Residence
6. At/Near Commercial Entrance
7. At/Near Service Road
10. At/Near Access to Field
11. At/Near Crossover-Divided Hwy.
12. At/Near R.R. X'ing
13. Off Hwy.
98. Other
99. Unknown
SPECIAL FACILITY
1. N/A
2. Traffic Interchange-Through Hwy.
3. Interchange-Exit Ramp
4. Interchange-Entrance Ramp
5. Traffic Circle
6. Bridge/Overpass
7. Tunnel/Underpass
10. Parking Lot
98. Other
99. Unknown
TRAFFIC CONTROL
1. No control present
2. Traffic Signal
3. Flashing light-inter.
4. School zone
5. School X'ing-flashing light
6. School X'ing-school guard/patrol
7. School X'ing-advisory sign only
10. School Bus
11. Ped. X-over
12. Stop sign
13. Yield sign
14. Merge sign
15. Warning/advisory light
16. Police control
17. Flagman
20. No passing zone
21. R.R. X'ing-advisory signs/crossbuck
22. R.R. X'ing-flashing lights
23. R.R. X'ing-stop signs
24. R.R. X'ing-gates or watchman
98. Other
99. Unknown
TRAFFIC CONTROL CONDITION
1. N/A
2. No controls
3. Traffic control functioning
4. Traffic control-missing/vandalized
5. Traffic control present-not effective
8. Other
9. Unknown
ROADWAY SPEED (posted)
Code posted speed level in effect at location
PEDESTRIAN ACTION
1. N/A
2. Crossing Inter. With R-O-W
3. Crossing Inter. W/o R-O-W
4. Crossing Ped. X-Walk
5. Crossing Inter. No traffic control
6. Crossing Inter. Diagonally
7. Crossing Mid-Block/Hwy.
10. Walking on Rd. Against Traffic
11. Walking on Rd. With Traffic
12. Emerging in front or behind a parked object
13. Emerging in front or behind a moving object
14. Running into Rd.
15. Getting on/off school bus
16. Getting on/off a vehicle
17. Pushing/Working on vehicle
20. Working on Hwy.
21. Playing on Hwy.
22. Lying on Hwy.
23. Standing on Hwy.
24. On Sidewalk/Shoulder
98. Other
99. Unknown
ROADWAY ALIGNMENT
1. N/A
2. Straight & Level
3. Straight with Grade
4. Straight at Hillcrest
5. Curve & Level
6. Curve with Grade
7. Curve at Hillcrest
8. Other
9. Unknown
OBJECT IDENTIFICATION
1. N/A
2. Auto
3. Auto-Limo
4. Pickup Trucks under 8000 lbs.
5. Panel/Vans under 8000 lbs.
6. Trucks-8000 lbs. & over
7. Tr. Tractor
10. Motorcycles
11. Mopeds
12. Power Bicycles
13. Bicycles
14. Transit Bus
15. Intercity Bus
16. School Bus
17. Other Buses
20. Motor Home
21. Offhwy. Vehicle
22. Snowmobile
23. Const. Equip.
24. Farm Equip.
25. Train
26. Pedestrian
27. Animal-domestic
30. Animal-wild
31. Fixed object
32. Play Vehicle
98. Other
99. Unknown
HAZARDOUS LOADS
1. N/A
2. Explosives
3. Flam./Combust. Liquids
4. Flam. Solids
5. Oxidizing Mat.
6. Corrosive Mat.
7. Compressed Gases
10. Flam. Comp. Gases
11. Poisons
12. Radioactive Mat.
98. Other (specify)
99. Unknown
SPECIAL USE
1. N/A - None
2. Farm use
3. Commercial
4. Taxi
5. School
6. Police
7. Fire
10. Wrecker
11. Government
12. Military
13. Ambulance
14. Driver Training
98. Other (specify)
99. Unknown
LOAD SPILLED (in accident)
1. N/A
2. Spilled
3. Not Spilled
9. Unknown
ATTACHMENTS
1. N/A - None
2. Camper
3. Farm Equip.
4. Boat Trailer
5. Utility Trailer
6. Holiday Trailer
7. Towed Motor Vehicle
10. Low/High Boy
11. Single Trailer (semi)
12. Double Trailer (semi)
13. Petroleum or other tanker
14. Mobile Home with pilot vehicle assistance
15. Mobile Home without pilot vehicle assistance
16. Wide load (over 12')
98. Other towed object
99. Unknown
POINT OF INITIAL IMPACT
1. N/A
8. Other
9. Unknown
HUMAN CONDITION
1. Apparently Normal
2. Had been drinking
3. Ability Impaired, Alcohol
4. Ability Impaired, Drugs
5. Extreme Fatigue/ Apparently fell asleep
6. Medical/Physical Defect
8. Other
9. Not known
OCCUPANT PROTECTION
1. N/A
2. Not Equipped
3. Pelvic Belts
4. Pelvic Belts & Torso Belts
5. Air Bags
6. Proper Clothing
7. Helmets
8. Other (specify)
9. Unknown
HUMAN ACTION
20. N/A
21. Backing Unsafely
22. Followed too Closely
23. R. Turn from Wrong: ane
24. R. Turn into Wrong Lane
25. L. Turn from Wrong Lane
26. L. Turn into Wrong Lane
27. L. Turn across Path
30. On V
31. Fails
32. Fails
33. Impr
34. Fails
35. Fails
36. Fails
37. Fails
40. Pedestrian error/violation
41. Passed Vehicle Stopped for Ped.
42. Ignored Traffic Control Device
43. Failed to Signal
44. Unsafe Speed
45. Lost Control
46. Ran off Road
98. Other
99. Unknown
POSITION IN/ON VEHICLE
1 Driver 2 thru 7 Passengers
8 Riding/Hanging On Outside
INJURY CODE
1. N/A
2. None apparent
3. Minimal
4. Minor
5. Major
6. Fatal
7. Not determined
8. Other (specify)
9. Unknown
SAFETY EQUIP. USED
1 - Yes
2 - No
3 - Partial
8 - Other
EJECTED FROM VEHICLE
1 - Yes
2 - No
3 - Partial
8 - Other
9 - Unknown
TRANSPORTED TO HOSPITAL
1. Yes
2. No
9. Unknown
SEX
1. Male
2. Female
9. Unknown
AGE
TREATED FOR INJURY.
1. Yes
2. No
9. Unknown
LOCATION OBJECT (Code Obj. #)
COLLISION WITH FIXED OBJECT
22. Parked vehicle
23. Pole (Breakaway)
24. Pole (Rigid)
25. Post, Sign, Parking Meter
26. Trees
27. Brush, Hedges
30. Curb
31. Restraining Barrier
32. Crash Cushion
33. Fence
34. Culvert
35. Bridge Support
36. Rock Face
37. Snow Bank/Drift
40. Ditch
EVENT TYPE
First Event
OBJ. 1
SECOND EVENT
OBJ. 2
LOCATION OF FIRST EVENT
2. On Rd.
3. Off Rd.
9. Unknown
PRE-ACCIDENT VEHICLE MANOEUVRE
1. N/A
2. Going Ahead
3. Turning Right
4. Turning Left
5. Making U Turn
6. Starting from parked position
7. Entering Parked position
10. Starting in traffic
11. Slowing or stopping
12. Stopped in traffic
13. Parked legally
14. Parked illegally
15. Avoiding object in Rd.
16. Avoiding Animal in Rd.
17. Avoiding Ped. In Rd.
20. Changing lanes
21. Overtaking
22. Merging
23. Backing
24. Skidding or Swerving
98. Other
99. Unknown
PRIMARY CAUSE OF ACCIDENTS FROM BOX 38 - 45
SPECIAL STUDIES

The following is a brief description of the four fatal traffic collisions that took place in the Northwest Territories in 1993, resulting in four fatalities.

RCMP Detachment	Date	Description
Tuktoyaktuk	13-Mar	Head-on collision between snowmobile and pickup truck on main road in community. Driver of snowmobile sustained fatal injuries while passenger suffered moderate injuries. Drivers of both vehicles were impaired by alcohol. Nether driver nor passenger of snowmobile were wearing helmets.
Tsiigehtchic	3-Apr	Head on collision between two snowmobiles near ferry landing (Km 144 on Highway #8). One driver was fatally injured while the other suffered minor injuries. Helmets were not worn by either driver. Alcohol was not involved.
Inuvik	2-Jul	Single vehicle rollover involving pickup truck near Km 206 of Highway #8. A 93 year old lap-belt restrained passenger in the right-rear seating position sustained fatal injuries. The other occupants suffered moderate to serious injuries. Alcohol was not involved.
Rae	13-Nov	Single vehicle rollover near Km 298 on Highway #3. The unrestrained driver was partially ejected and died one hour post-crash. Two passengers, who were also unrestrained, remained in the vehicle and were not injured. The condition of the driver was unknown.