1994 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.

1994 QUICK FACTS REPORT

1994 Compared to 1993

	1993	1994	% Change
PROPERTY DAMAGE ONLY COLLISIONS	495	570	15.2
PERSONAL INJURY COLLISIONS	178	173	-2.8
FATAL COLLISIONS	4	2	-50.0
TOTAL REPORTED COLLISIONS	677	745	10.0
NUMBER OF PERSONS KILLED	4	3	-25.0
NUMBER OF PERSONS INJURED	279	241	-13.6
NWT HIGHWAY SYSTEM COLLISIONS	193	176	-8.8
RURAL COLLISIONS	5	6	20.0
COLLISIONS IN COMMUNITIES	477	563	18.0
REGISTERED VEHICLES	21,391	22,000	2.8
LICENSED DRIVERS	21,218	22,853	7.7
NWT POPULATION [1]	39,900	41,700	4.5
COLLISIONS PER 100 LICENSED DRIVERS	3.19	3.26	2.2
COLLISIONS PER 100 REGISTERED VEHICLES	3.16	3.39	7.0
COLLISIONS PER 100 POPULATION	1.70	1.79	5.3
COLLISIONS INVOLVING ALCOHOL	74	66	-10.8

[1] 1993 and 1994 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 1995.

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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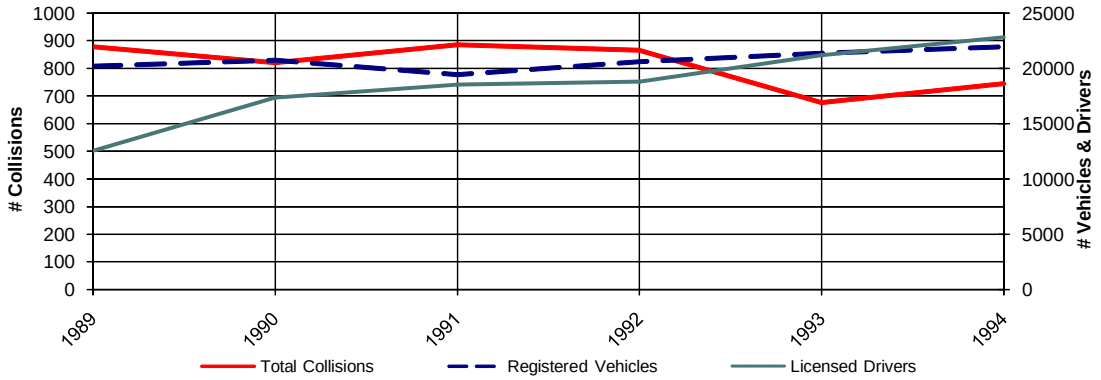
Trends in Licensed Drivers, Registered Vehicles and Collisions

Figure 1.1

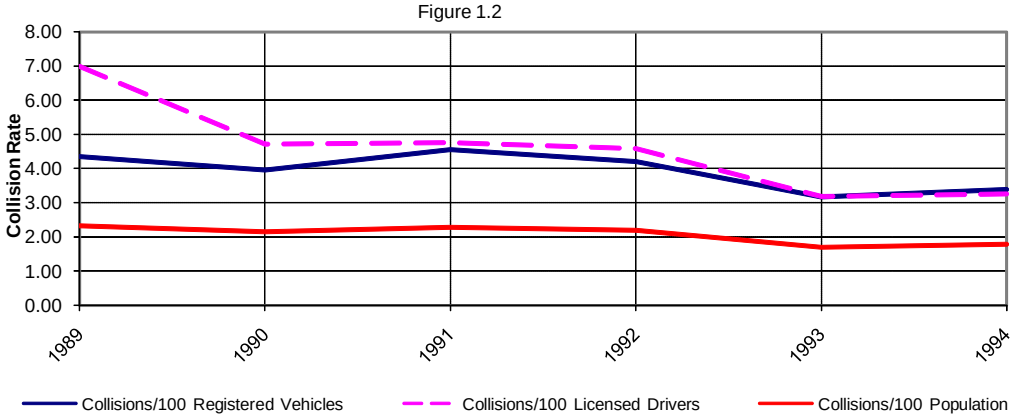


3 Year Summary

	1992	1993	1994	% Change
Registered Vehicles	20,632	21,391	22,000	2.8
Licensed Drivers	18,849	21,218	22,853	7.7
Total Collisions	866	677	745	10.0

Trends in Collision Rates by Vehicles, Drivers and Population

Figure 1.2

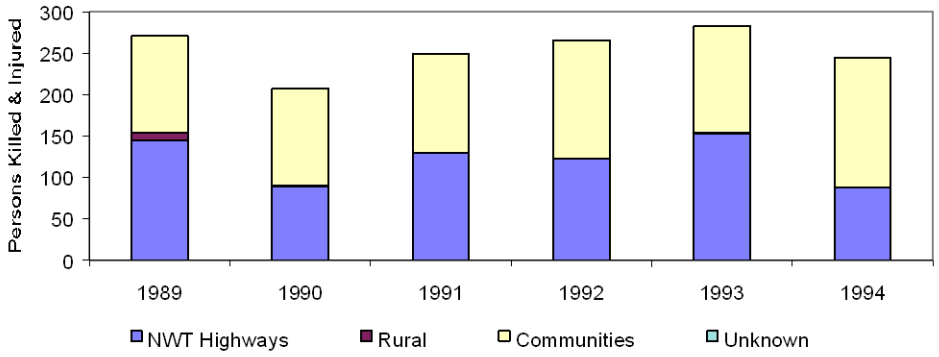


3 Year Summary

	1992	1993	1994	% Change
Collisions/100 Registered Vehicles	4.20	3.16	3.39	7.0
Collisions/100 Licensed Drivers	4.59	3.19	3.26	2.2
Collisions/100 Population	2.20	1.70	1.79	5.3

Trends in Injuries & Fatalities

Figure 1.3

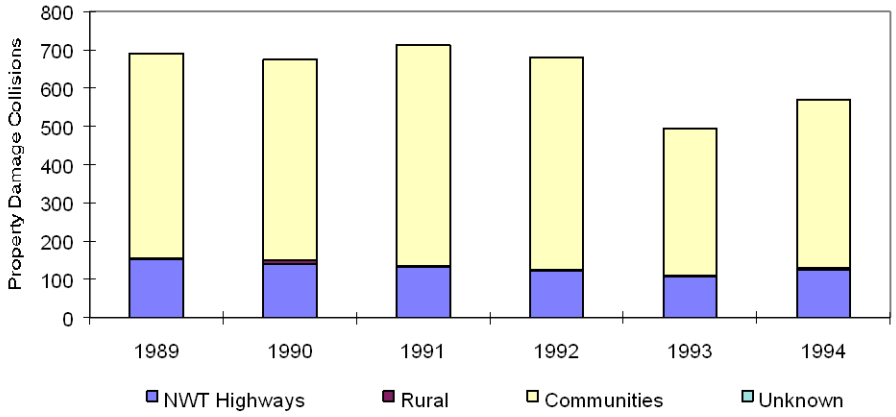


3 Year Summary

	Persons Injured				Persons Killed			
	1992	1993	1994	% Change	1992	1993	1994	% Change
NWT Highways	124	133	86	-35.3	5	2	2	0.0
Rural	1	4	0	-100.0	0	0	0	-
Communities	135	142	155	9.2	1	2	1	-50.0
Total	**260**	**279**	**241**	**-13.6**	**6**	**4**	**3**	**-25.0**

Trends in Property Damage Collisions

Figure 1.4

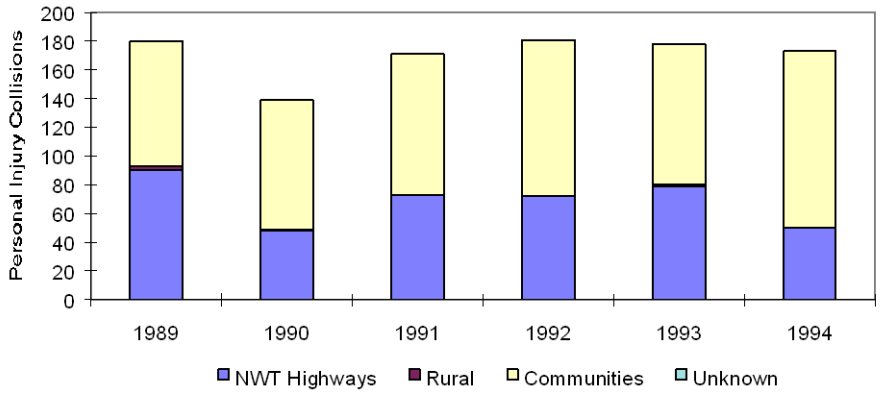


3 Year Summary

	Property Damage Collisions			
	1992	1993	1994	% Change
NWT Highways	127	120	125	4.2
Rural	4	3	6	100.0
Communities	548	370	439	18.6
Total	**679**	**493**	**570**	**15.6**

Trends in Personal Injury Collisions

Figure 1.5

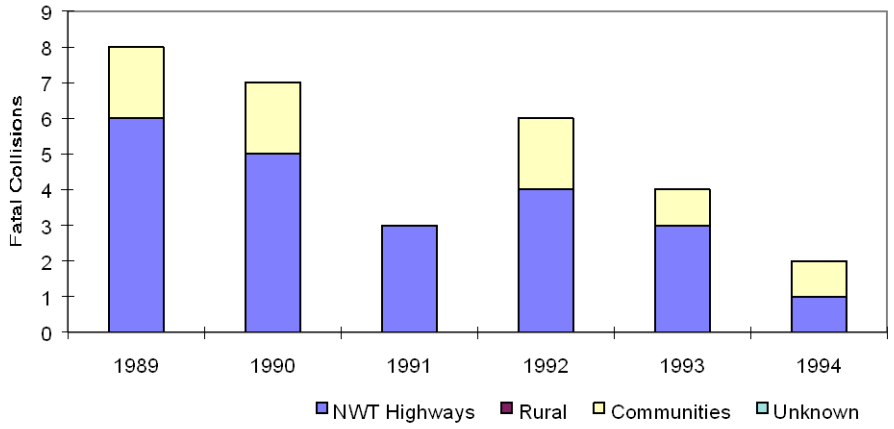


3 Year Summary

	Personal Injury Collisions			
	1992	1993	1994	% Change
NWT Highways	75	71	50	-29.6
Rural	1	2	0	-100.0
Communities	105	105	123	17.1
Total	**181**	**178**	**173**	**-2.8**

Trends in Fatal Collisions

Figure 1.6

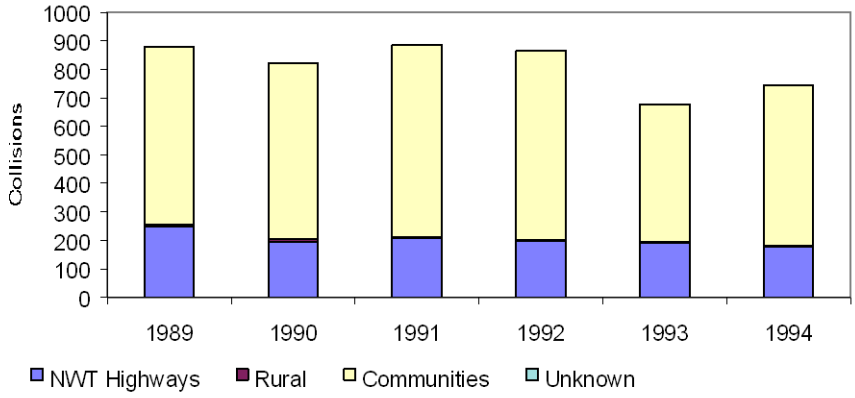


3 Year Summary

	Fatal Collisions			
	1992	1993	1994	% Change
NWT Highways	5	2	1	-50.0
Rural	0	0	0	-
Communities	1	2	1	-50.0
Total	**6**	**4**	**2**	**-50.0**

Trends in All Reported Collisions

Figure 1.7



3 Year Summary

	1992	1993	1994	% Change
NWT Highways	207	193	176	-8.8
Rural	5	5	6	20.0
Communities	654	477	563	18.0
Total	**866**	**675**	**745**	**10.4**

Property Damage Collisions by Month and Year

Figure 1.8

Month	1989	1990	1991	1992	1993	Avg. 89 to 93	1994	% Change*
January	66	63	86	74	46	67	52	-22.4
February	66	66	72	68	56	66	72	9.8
March	65	68	72	68	52	65	50	-23.1
April	51	30	48	59	30	44	32	-26.6
May	39	29	31	45	23	33	33	-1.2
June	39	44	57	35	23	40	31	-21.7
July	47	51	57	48	33	47	39	-17.4
August	47	54	42	51	35	46	42	-8.3
September	41	46	49	48	39	45	34	-23.8
October	76	69	65	65	52	65	59	-9.8
November	84	71	59	64	53	66	73	10.3
December	70	84	74	54	53	67	53	-20.9
Total	**691**	**675**	**712**	**679**	**495**	**650**	**570**	**-12.4**

* % change is a comparison between 1994 and the 1989-93 average.

Personal Injury Collisions by Month and Year

Figure 1.9

Month	1989	1990	1991	1992	1993	Avg. 89 to 93	1994	% Change*
January	13	8	15	19	16	14	11	-22.5
February	17	8	13	12	16	13	7	-47.0
March	14	15	17	12	16	15	9	-39.2
April	3	6	5	9	13	7	6	-16.7
May	11	5	16	12	13	11	9	-21.1
June	12	20	24	18	17	18	18	-1.1
July	26	20	23	15	24	22	18	-16.7
August	17	14	16	18	9	15	23	55.4
September	16	8	13	19	12	14	14	2.9
October	18	15	14	16	16	16	20	26.6
November	19	7	5	13	14	12	19	63.8
December	14	13	10	18	12	13	19	41.8
Total	**180**	**139**	**171**	**181**	**178**	**170**	**173**	**1.9**

Fatal Collisions by Month and Year

Figure 1.10

Month	1989	1990	1991	1992	1993	Avg. 89 to 93	1994	% Change*
January	0	1	0	0	0	0.2	0	-100.0
February	0	0	0	0	0	0.0	0	-
March	0	0	0	0	1	0.2	0	-100.0
April	1	1	0	1	1	0.8	0	-100.0
May	1	0	0	0	0	0.2	1	400.0
June	3	0	2	3	0	1.6	0	-100.0
July	1	2	0	0	1	0.8	0	-100.0
August	0	0	1	0	0	0.2	0	-100.0
September	0	0	0	0	0	0.0	0	-
October	0	2	0	1	0	0.6	1	66.7
November	1	0	0	1	1	0.6	0	-100.0
December	1	1	0	0	0	0.4	0	-100.0
Total	**8**	**7**	**3**	**6**	**4**	**5.6**	**2**	**-64.3**

* % change is a comparison between 1994 and the 1989-93 average.

Total Collisions by Month and Year Figure 1.11

Month	1989	1990	1991	1992	1993	Avg. 89 to 93	1994	% Change*
January	79	72	101	93	62	81	63	-22.6
February	83	74	85	80	72	79	79	0.3
March	79	83	89	80	69	80	59	-26.3
April	55	37	53	69	44	52	38	-26.4
May	51	34	47	57	36	45	43	-4.4
June	54	64	83	56	40	59	49	-17.5
July	74	73	80	63	58	70	57	-18.1
August	64	68	59	69	44	61	65	6.9
September	57	54	62	67	51	58	48	-17.5
October	94	86	79	82	68	82	80	-2.2
November	104	78	64	78	68	78	92	17.3
December	85	98	84	72	65	81	72	-10.9
Total	**879**	**821**	**886**	**866**	**677**	**826**	**745**	**-9.8**

* % change is a comparison between 1994 and the 1989-93 average.

Collisions by Month of Occurrence

Figure 2.1

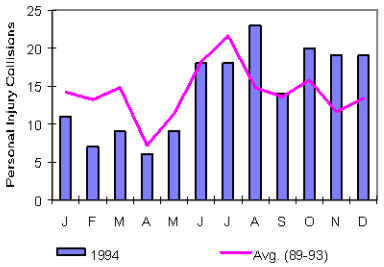


Figure 2.2

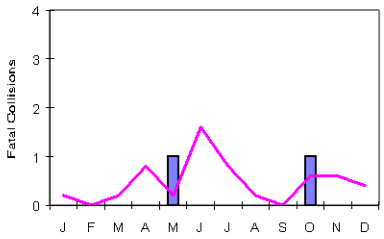
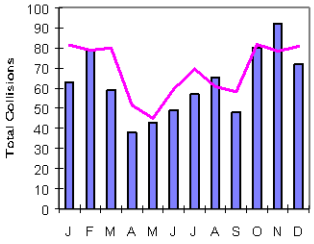


Figure 2.3



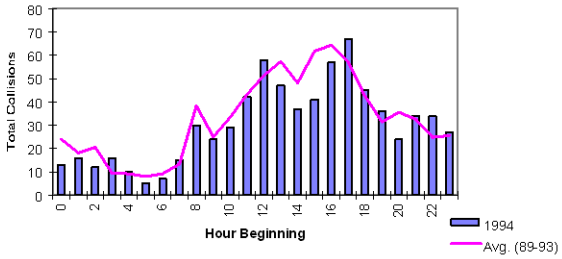
Collisions & Victims by Month of Occurrence

Figure 2.4

	Number of Collisions				Number of Victims	
Month	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	52	11	0	63	14	0
February	72	7	0	79	7	0
March	50	9	0	59	9	0
April	32	6	0	38	9	0
May	33	9	1	43	13	1
June	31	18	0	49	24	0
July	39	18	0	57	30	0
August	42	23	0	65	33	0
September	34	14	0	48	19	0
October	59	20	1	80	26	2
November	73	19	0	92	32	0
December	53	19	0	72	25	0
Total	**570**	**173**	**2**	**745**	**241**	**3**

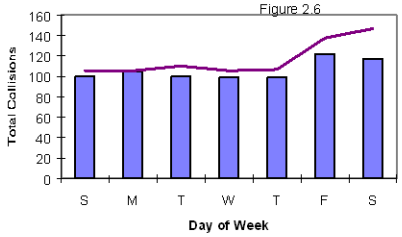
Total Collisions by Time of Day

Figure 2.5



Total Collisions by Day of Week

Figure 2.6



Collisions by Time of Day & Day of Week*

Figure 2.7

Collision Hour	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total	%
12 to 1 a.m.	2	1	1	0	3	1	4	12	1.6
1 to 2 a.m.	2	3	2	2	0	1	6	16	2.2
2 to 3 a.m.	7	1	2	1	0	0	1	12	1.6
3 to 4 a.m.	5	2	0	2	1	2	4	16	2.2
4 to 5 a.m.	1	3	1	0	0	2	3	10	1.3
5 to 6 a.m.	3	0	0	0	1	0	1	5	0.7
6 to 7 a.m.	2	1	0	1	0	3	0	7	0.9
7 to 8 a.m.	2	3	0	1	3	2	4	15	2.0
8 to 9 a.m.	1	4	7	6	1	7	4	30	4.0
9 to 10 a.m.	2	3	2	1	6	6	4	24	3.2
10 to 11 a.m.	3	4	9	3	5	2	3	29	3.9
11 to 12 a.m.	3	11	8	5	6	5	4	42	5.7
12 to 1 p.m.	12	13	9	8	6	8	2	58	7.8
1 to 2 p.m.	5	6	7	6	5	11	7	47	6.3
2 to 3 p.m.	6	4	5	7	3	4	8	37	5.0
3 to 4 p.m.	8	7	3	5	6	5	7	41	5.5
4 to 5 p.m.	7	8	9	7	11	8	7	57	7.7
5 to 6 p.m.	6	3	12	13	11	16	6	67	9.0
6 to 7 p.m.	6	6	8	8	7	7	3	45	6.1
7 to 8 p.m.	7	8	1	4	7	2	7	36	4.9
8 to 9 p.m.	1	4	3	0	1	5	10	24	3.2
9 to 10 p.m.	4	3	5	5	3	6	8	34	4.6
10 to 11 p.m.	1	1	2	7	7	11	5	34	4.6
11 to 12 p.m.	3	2	3	4	5	5	5	27	3.6
Not Stated	1	4	1	3	1	3	4	17	2.3
Total	100	105	100	99	99	122	117	742	
%	13.5	14.2	13.5	13.3	13.3	16.4	15.8	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	3	0	5	0.7
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	13	16	0	29	3.9
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	**15**	**20**	**0**	**35**	**4.7**

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	21	9	0	30	4.0
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	30	24	0	54	7.2
Improper Turning or Passing	21	4	0	25	3.4
Failed to Yield Right-of-Way	55	20	0	75	10.1
Disobeyed Traffic Control/Officer	4	1	0	5	0.7
Driving on Wrong Side of Road	8	4	0	12	1.6
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	119	4	0	123	16.5
Lost Control	123	48	2	173	23.2
Other Driver Action	0	0	0	0	0.0
Total	**381**	**114**	**2**	**497**	**66.7**

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	0	1	0	1	0.1
Defective Steering	0	0	0	0	0.0
Defective Lights	0	1	0	1	0.1
Tire Blown Out	3	0	0	3	0.4
Unsecured Load, Spilled Load	1	0	0	1	0.1
Oversized Load, Overload	0	0	0	0	0.0
Visibility Obstructed	7	2	0	9	1.2
Other Vehicle Contributing Factor	16	0	0	16	2.1
Total	**27**	**4**	**0**	**31**	**4.2**

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	11	4	0	15	2.0
Road Surface or Condition	22	6	0	28	3.8
Obstruction/Debris on Road	2	1	0	3	0.4
View Obstructed, Glare, Reflection	6	1	0	7	0.9
Weather or Other Acts of God	29	5	0	34	4.6
Other Environmental Factor	0	0	0	0	0.0
Total	70	17	0	87	11.7

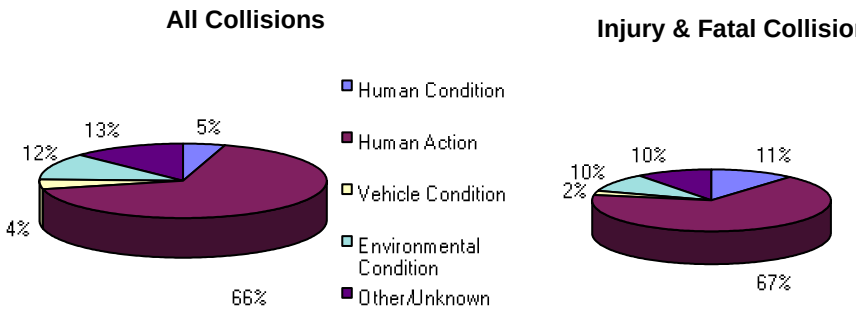
Collisions by Severity Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.5

Factor	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Unspecified	34	17	0	51	6.8
Unknown	43	1	0	44	5.9
Total	77	18	0	95	12.8
Total All Factors	570	173	2	745	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	2	3	0	5	0.7
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	8	21	0	29	3.9
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	1	0	0	1	0.1
Other Driver Condition	0	0	0	0	0.0
Total	**11**	**24**	**0**	**35**	**4.7**

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	3	27	0	30	4.0
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	15	39	0	54	7.2
Improper Turning or Passing	6	19	0	25	3.4
Failed to Yield Right-of-Way	7	68	0	75	10.1
Disobeyed Traffic Control/Officer	1	4	0	5	0.7
Driving on Wrong Side of Road	2	10	0	12	1.6
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	23	99	1	123	16.5
Lost Control	56	114	3	173	23.2
Other Driver Action	0	0	0	0	0.0
Total	**113**	**380**	**4**	**497**	**66.7**

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	0	1	0	1	0.1
Defective Steering	0	0	0	0	0.0
Defective Lights	1	0	0	1	0.1
Tire Blown Out	1	2	0	3	0.4
Unsecured Load, Spilled Load	1	0	0	1	0.1
Oversized Load, Overload	0	0	0	0	0.0
Visibility Obstructed	1	8	0	9	1.2
Other Vehicle Contributing Factor	5	11	0	16	2.1
Total	**9**	**22**	**0**	**31**	**4.2**

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	6	9	0	15	2.0
Road Surface or Condition	5	23	0	28	3.8
Obstruction/Debris on Road	2	1	0	3	0.4
View Obstructed, Glare, Reflection	0	6	1	7	0.9
Weather or Other Acts of God	14	19	1	34	4.6
Other Environmental Factor	0	0	0	0	0.0
Total	**27**	**58**	**2**	**87**	**11.7**

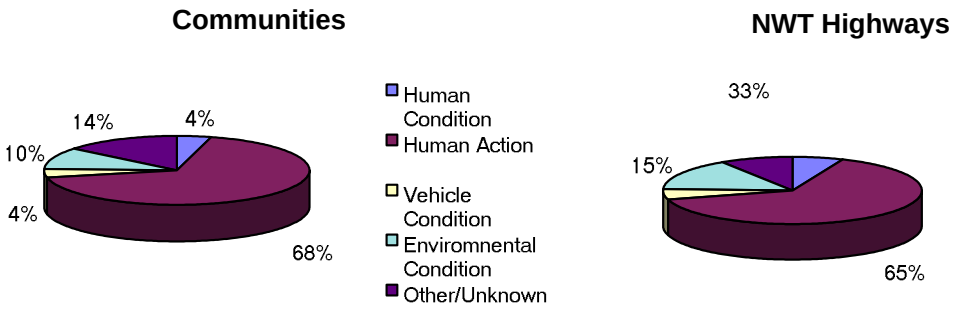
Collisions by Road System Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.11

Factor	NWT Highways	In Communities	Rural	Total	% of Total Factors
Unspecified	7	44	0	51	6.8
Unknown	9	35	0	44	5.9
Total	**16**	**79**	**0**	**95**	**12.8**
Total All Factors	**176**	**563**	**6**	**745**	**100.0**

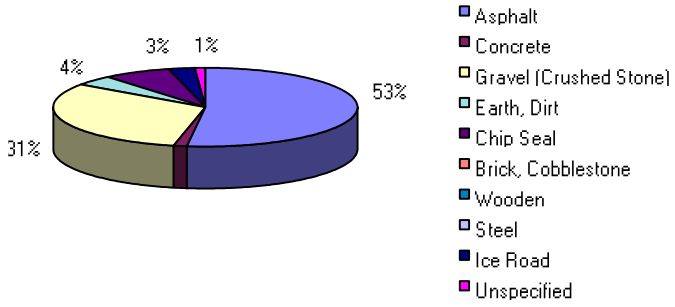
Major Contributing Factors in Collisions - Communities and NWT Highways

Figure 3.12



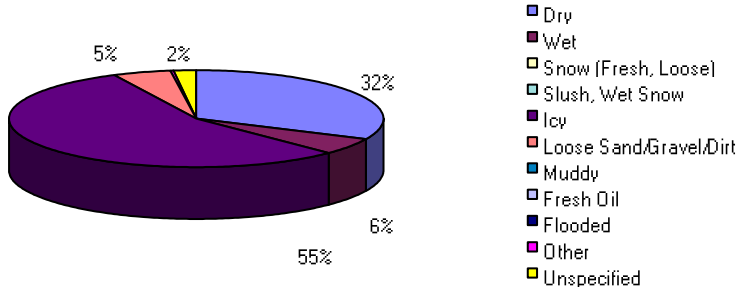
Collisions by Road Surface Type and Severity Figure 4.1

Road Surface Type	Property Damage	Personal Injury	Fatal	Total	%
Asphalt	319	68	0	387	51.9
Concrete	10	1	0	11	1.5
Gravel (Crushed Stone)	166	65	2	233	31.3
Earth, Dirt	21	10	0	31	4.2
Chip Seal	28	27	0	55	7.4
Brick, Cobblestone	0	0	0	0	0.0
Wooden	0	0	0	0	0.0
Steel	0	0	0	0	0.0
Ice Road	18	2	0	20	2.7
Unspecified	8	0	0	8	1.1
Total	570	173	2	745	100.0



Collisions by Road Surface Environmental Condition and Severity Figure 4.2

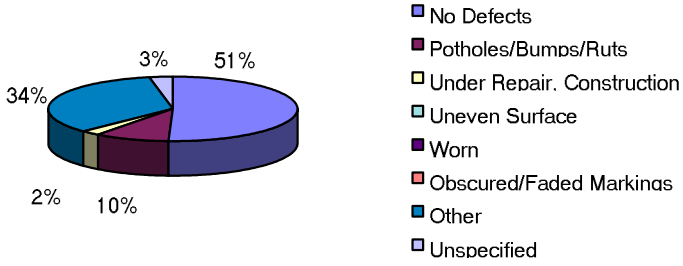
Surface Condition	Property Damage	Personal Injury	Fatal	Total	%
Dry	165	74	0	239	32.1
Wet	29	11	1	41	5.5
Snow (Fresh, Loose)	0	0	0	0	0.0
Slush, Wet Snow	0	0	0	0	0.0
Icy	341	71	0	412	55.3
Loose Sand/Gravel/Dirt	21	15	1	37	5.0
Muddy	0	0	0	0	0.0
Fresh Oil	0	0	0	0	0.0
Flooded	0	0	0	0	0.0
Other	1	1	0	2	0.3
Unspecified	13	1	0	14	1.9
Total	570	173	2	745	100



Collisions by Road Defect and Severity

Figure 4.3

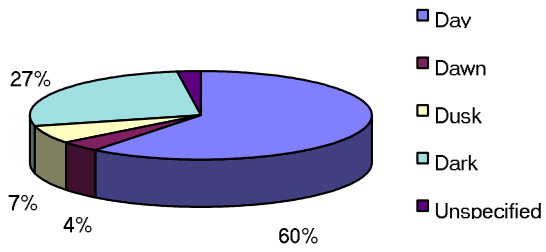
Road Defect	Property Damage	Personal Injury	Fatal	Total	%
No Defects	269	106	1	376	50.5
Potholes/Bumps/Ruts	56	17	1	74	9.9
Under Repair, Construction	12	5	0	17	2.3
Uneven Pavement Surface	0	0	0	0	0.0
Worn	0	0	0	0	0.0
Obscured or Faded Markings	0	0	0	0	0.0
Other	211	44	0	255	34.2
Unspecified	22	1	0	23	3.1
Total	**570**	**173**	**2**	**745**	100.0



Collisions by Light Condition and Severity

Figure 4.4

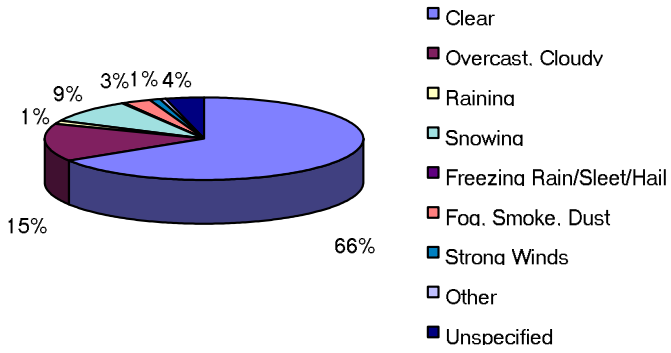
Light Condition	Property Damage	Personal Injury	Fatal	Total	%
Day	354	96	1	451	60.5
Dawn	23	6	0	29	3.9
Dusk	41	9	0	50	6.7
Dark	136	62	1	199	26.7
Unspecified	16	0	0	16	2.1
Total	**570**	**173**	**2**	**745**	100.0



Collisions by Weather Condition and Severity

Figure 4.5

Weather Condition	Property Damage	Personal Injury	Fatal	Total	%
Clear (Sunny)	373	117	2	492	66.0
Overcast, Cloudy (No Precipitation)	84	27	0	111	14.9
Raining	4	6	0	10	1.3
Snowing	53	14	0	67	9.0
Freezing Rain/Sleet/Hail	3	0	0	3	0.4
Visibility Limitations (fog, dust, etc.)	16	5	0	21	2.8
Strong Winds	6	2	0	8	1.1
Other	2	1	0	3	0.4
Unspecified	29	1	0	30	4.0
Total	**570**	**173**	**2**	**745**	100.0

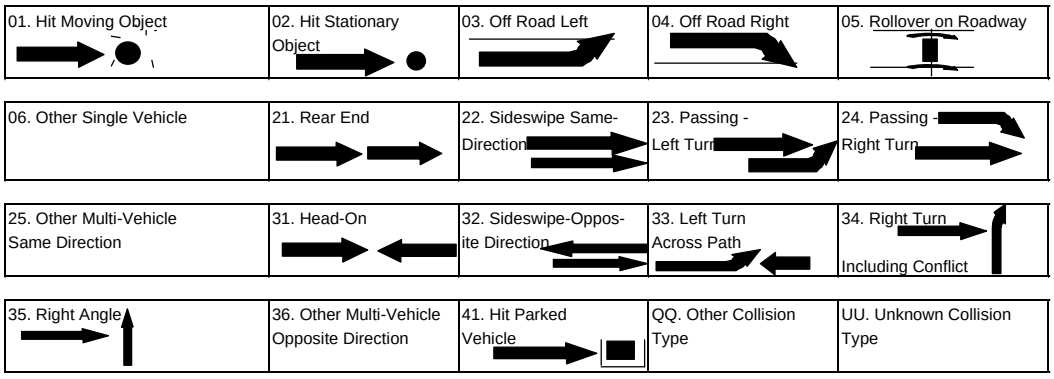


Collisions by Configuration and Severity

Figure 4.6

Configuration*	Property Damage	Personal Injury	Fatal	Total	% of Total
01. Hit Moving Object					
a) With Animal	10	3	0	13	1.7
b) With Pedestrian	1	26	0	27	3.6
c) Other	5	0	0	5	0.7
02. Hit Stationary Object	47	9	0	56	7.5
03. Off Road Left					
a) With Rollover	15	24	0	39	5.2
b) No Rollover	9	6	1	16	2.1
04. Off Road Right					
a) With Rollover	36	26	1	63	8.5
b) No Rollover	19	11	0	30	4.0
05. Rollover on Roadway	2	3	0	5	0.7
06. Other Single Vehicle	1	2	0	3	0.4
21. Rear End	70	17	0	87	11.7
22. Sideswipe - Same Direction	12	0	0	12	1.6
23. Passing - Left Turn	7	1	0	8	1.1
24. Passing - Right Turn	2	1	0	3	0.4
25. Other Multi-Vehicle Same Direction	0	0	0	0	0.0
31. Head-On	8	4	0	12	1.6
32. Sideswipe - Opposite Direction	19	3	0	22	3.0
33. Left Turn Across Path	21	9	0	30	4.0
34. Right Turn Including Conflict	6	2	0	8	1.1
35. Right Angle	87	16	0	103	13.8
36. Other Multi-Vehicle Opposite Direction	30	5	0	35	4.7
41. Hit Parked Vehicle	159	4	0	163	21.9
QQ. Other Collision Type	3	1	0	4	0.5
UU. Unknown Collision Type	1	0	0	1	0.1
Total	570	173	2	745	100.0

***Collision Configurations**

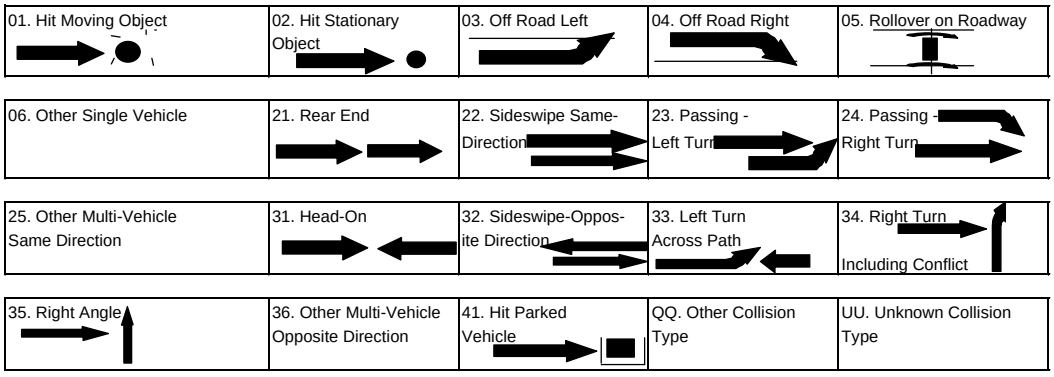


Collisions by Configuration and Road System

Figure 4.7

Configuration*	NWT Highways	In Communities	Rural	Total	% of Total
01. Hit Moving Object					
a) With Animal	5	8	0	13	1.7
b) With Pedestrian	4	23	0	27	3.6
c) Other	2	3	0	5	0.7
02. Hit Stationary Object	13	43	0	56	7.5
03. Off Road Left					
a) With Rollover	15	24	0	39	5.2
b) No Rollover	6	10	0	16	2.1
04. Off Road Right					
a) With Rollover	27	35	1	63	8.5
b) No Rollover	17	12	1	30	4.0
05. Rollover on Roadway	2	3	0	5	0.7
06. Other Single Vehicle	1	2	0	3	0.4
21. Rear End	9	78	0	87	11.7
22. Sideswipe - Same Direction	3	9	0	12	1.6
23. Passing - Left Turn	3	5	0	8	1.1
24. Passing - Right Turn	0	3	0	3	0.4
25. Other Multi-Vehicle Same Direction	0	0	0	0	0.0
31. Head-On	3	9	0	12	1.6
32. Sideswipe - Opposite Direction	5	16	1	22	3.0
33. Left Turn Across Path	4	26	0	30	4.0
34. Right Turn Including Conflict	1	7	0	8	1.1
35. Right Angle	16	86	1	103	13.8
36. Other Multi-Vehicle Opposite Direction	2	33	0	35	4.7
41. Hit Parked Vehicle	35	126	2	163	21.9
QQ. Other Collision Type	2	2	0	4	0.5
UU. Unknown Collision Type	1	0	0	1	0.1
Total	176	563	6	745	100.0

***Collision Configurations**



Collisions by Collision Site and Severity

Figure 4.8

Collision Site	Property Damage	Personal Injury	Fatal	Total	%
Non-Intersection	207	102	2	311	41.7
Intersection - Two Public Roadways	139	46	0	185	24.8
Intersection - Parking Lot, Driveway	96	20	0	116	15.6
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	0	1	0	1	0.1
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	5	1	0	6	0.8
Other	118	3	0	121	16.2
Unknown	5	0	0	5	0.7
Total	**570**	**173**	**2**	**745**	**100.0**

Collisions by Collision Site and Road System

Figure 4.9

Collision Site	NWT Highways	In Communities	Rural	Total	%
Non-Intersection	107	201	3	311	41.7
Intersection - Two Public Roadways	27	158	0	185	24.8
Intersection - Parking Lot, Driveway	17	98	1	116	15.6
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	0	1	0	1	0.1
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	0	6	0	6	0.8
Other	23	96	2	121	16.2
Unknown	2	3	0	5	0.7
Total	**176**	**563**	**6**	**745**	**100.0**

Collisions by Roadway Alignment and Severity

Figure 4.10

Road Alignment	Property Damage	Personal Injury	Fatal	Total	%
Straight & Level	410	87	1	498	66.8
Straight with Grade	49	23	0	72	9.7
Curved and Level	60	35	0	95	12.8
Curve with Grade	27	22	0	49	6.6
Top of Hill or Grade	17	6	1	24	3.2
Bottom of Hill or Grade	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	7	0	0	7	0.9
Total	**570**	**173**	**2**	**745**	**100.0**

Collisions by Roadway Type and Severity

Figure 4.11

Road Type	Property Damage	Personal Injury	Fatal	Total	%
One-Way, Two Lane	8	4	0	12	1.6
One-Way, Multi Lane	0	0	0	0	0.0
Undivided, Two-Way, Two Lane	410	156	2	568	76.2
Undivided, Two-Way, Multi Lane	0	0	0	0	0.0
Divided, Barrier Median	17	5	0	22	3.0
Divided with Median, No Barrier	0	0	0	0	0.0
Divided, Divider Unspecified	10	5	0	15	2.0
Other	119	3	0	122	16.4
Unknown	6	0	0	6	0.8
Total	**570**	**173**	**2**	**745**	**100.0**

Collision Sequence of Events by Severity

Figure 4.12

Non-Moving Objects	Property Damage	Personal Injury	Fatal	Total	%
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	1	0	0	1	0.1
Hit Building	4	0	0	4	0.5
Hit Ditch	2	0	0	2	0.3
Hit Embankment, Dirt Pile, Rock	2	1	0	3	0.4
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree. Bush, Hedge	5	1	0	6	0.8
Hit Utility Pole, Lamp Pole	14	4	0	18	2.4
Hit Curb	0	0	0	0	0.0
Hit Post	3	1	0	4	0.5
Hit Traffic Barrier	12	2	0	14	1.9
Hit Fixed Object Part of Road Structure	0	0	0	0	0.0
Hit Fixed Object NOT Part of Road Structure	4	0	0	4	0.5
Hit Other Type Fixed Object	0	0	0	0	0.0
Sub Total Fixed Objects	**47**	**9**	**0**	**56**	**7.5**
Moveable Objects					
Another Road Vehicle	421	62	0	483	64.8
Animal	10	3	0	13	1.7
Pedestrian	1	26	0	27	3.6
Other Moveable Object	5	0	0	5	0.7
Sub Total Moveable Objects	**437**	**91**	**0**	**528**	**70.9**
Non-Collision Events					
Ran Off Road	28	17	1	46	6.2
Rollover	53	53	1	107	14.4
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	0	0	0	0	0.0
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	0	0	0	0	0.0
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	**81**	**70**	**2**	**153**	20.5
Other/Unknown Event	5	3	0	8	1.1
Grand Total	**570**	**173**	**2**	**745**	**100.0**

Collision Sequence of Events by Road System

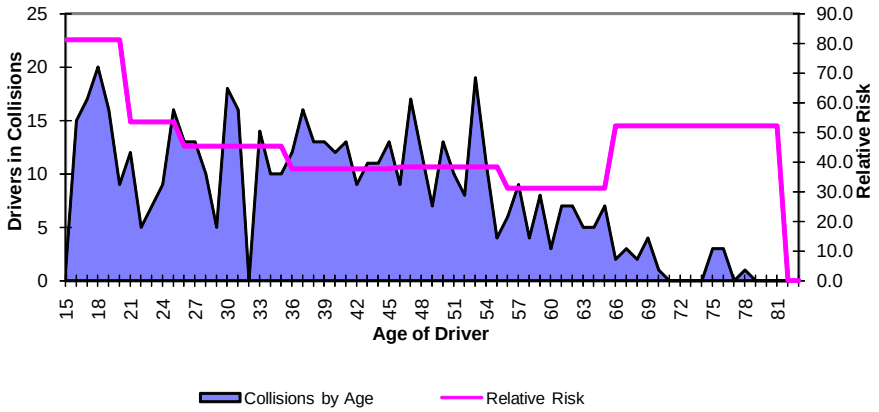
Figure 4.13

Non-Moving Objects	NWT Highways	In Communities	Rural	Total	%
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	0	1	0	1	0.1
Hit Building	1	3	0	4	0.5
Hit Ditch	1	1	0	2	0.3
Hit Embankment, Dirt Pile, Rock	2	1	0	3	0.4
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree. Bush, Hedge	2	4	0	6	0.8
Hit Utility Pole, Lamp Pole	3	15	0	18	2.4
Hit Curb	0	0	0	0	0.0
Hit Post	0	4	0	4	0.5
Hit Traffic Barrier	4	10	0	14	1.9
Hit Fixed Object Part of Road Structure	0	0	0	0	0.0
Hit Fixed Object NOT Part of Road Structure	0	4	0	4	0.5
Hit Other Type Fixed Object	0	0	0	0	0.0
Sub Total Fixed Objects	**13**	**43**	**0**	**56**	**7.5**
Moveable Objects					
Another Road Vehicle	81	398	4	483	64.8
Animal	5	8	0	13	1.7
Pedestrian	4	23	0	27	3.6
Other Moveable Object	2	3	0	5	0.7
Sub Total Moveable Objects	**92**	**432**	**4**	**528**	**70.9**
Non-Collision Events					
Ran Off Road	23	22	1	46	6.2
Rollover	44	62	1	107	14.4
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	0	0	0	0	0.0
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	0	0	0	0	0.0
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	**67**	**84**	**2**	**153**	20.5
Unknown Event	**4**	**4**	**0**	**8**	1.1
Grand Total	**176**	**563**	**6**	**745**	**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	131	1,322	2,371	7,424	6,381	3,548	1,254	422	0	22,853
Drivers in Collisions	20	98	127	337	240	136	39	22	54	1,073

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	53.0	35.8	36.8	29.9	30.7	23.1	42.7	36.5
Personal Injury & Fatal	28.2	17.7	8.6	7.7	7.6	8.0	9.5	10.5
Total	**81.2**	**53.6**	**45.4**	**37.6**	**38.3**	**31.1**	**52.1**	**47.0**
Relative Risk*	**1.7**	**1.1**	**1.0**	**0.8**	**0.8**	**0.7**	**1.1**	**1.0**

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

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

Figure 5.1 shows that the relative risk of drivers between the ages of 15 and 19 are 1.7 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	1	0	0	12	6	1	20
16	0	0	0	0	23	0	0	1	0	1	25
17	0	0	0	0	21	0	2	2	1	1	27
18	0	0	1	0	23	0	0	1	0	0	25
19	2	0	0	2	15	0	1	1	0	0	21
20	2	0	1	0	16	0	0	1	0	1	21
21-24	4	0	7	5	74	0	2	8	5	1	106
25-34	24	1	5	38	239	0	4	6	12	8	337
35-44	21	1	17	25	162	1	1	2	5	5	240
45-54	25	4	5	14	83	2	1	0	1	1	136
55-64	6	0	2	5	25	0	0	0	0	1	39
65 and over	1	0	1	0	16	0	0	0	1	3	22
Not Stated	0	0	0	0	5	0	0	0	0	49	54
Drivers in Collisions	**85**	**6**	**39**	**89**	**703**	**3**	**11**	**34**	**31**	**72**	**1,073**
Total Licensed Drivers	**1,139**	**222**	**729**	**1,038**	**18,544**	**5**	**1,176**	**N/A**	**N/A**	**N/A**	**22,853**
Relative Risk*	**1.59**	**0.58**	**1.14**	**1.83**	**0.81**	**12.78**	**0.20**	**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	17	22	25	22	19	17	90	284	213	125	36	18	7	895	83.4
Fatigued, Fell Asleep	0	0	0	0	0	0	0	2	3	1	1	0	0	7	0.7
Inexperience	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Under Influence - Alcohol	0	0	0	1	1	1	15	33	10	2	0	3	1	67	6.2
Under Influence - Drugs	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0.1
Sudden Illness, Lost Consciousness	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0.1
Other Condition	1	0	0	1	0	0	0	4	2	1	0	0	0	9	0.8
Unknown	2	3	2	1	1	3	1	13	11	7	2	1	46	93	8.7
Total	**20**	**25**	**27**	**25**	**21**	**21**	**106**	**337**	**240**	**136**	**39**	**22**	**54**	**1,073**	
%	1.9	2.3	2.5	2.3	2.0	2.0	9.9	31.4	22.4	12.7	3.6	2.1	5.0		**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	2	4	12	6	5	5	32	100	88	52	12	6	3	327	30.5
Following Too Closely	0	2	1	2	0	0	8	16	5	9	0	0	3	46	4.3
Distracted, Inattentive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Driving Too Fast	0	0	1	3	4	2	17	27	6	5	1	1	1	68	6.3
Improper Turning or Passing	0	1	0	0	0	2	2	10	6	2	2	1	1	27	2.5
Failing to Yield Right of Way	8	7	4	3	1	0	10	21	25	13	4	0	1	97	9.0
Disobeying Traffic Control/Officer	1	0	0	0	0	0	0	3	1	1	1	0	0	7	0.7
Driving on Wrong Side of Road	1	0	0	0	0	0	1	4	4	2	0	2	2	16	1.5
Driving in Wrong Direction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Backing Unsafely	2	4	2	2	2	2	11	44	35	17	9	4	6	140	13.1
Lost Control	5	5	7	8	7	9	17	88	58	24	6	5	2	241	22.5
Other Driver Action	1	2	0	0	2	1	8	20	10	8	4	2	0	58	5.4
Unknown	0	0	0	1	0	0	0	4	2	2	0	1	35	45	4.2
Total	20	25	27	25	21	21	106	337	240	135	39	22	54	1,072	
%	1.9	2.3	2.5	2.3	2.0	2.0	9.9	31.4	22.4	12.6	3.6	2.1	5.0		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	370	85	1	456	36.8
Passenger Van	102	22	0	124	10.0
Light Utility Vehicle	0	0	0	0	0.0
Pickup Truck	431	79	1	511	41.2
Panel/Cargo Van	0	0	0	0	0.0
Other Truck/Van <= 4536 kg	0	0	0	0	0.0
Unit Truck > 4536 kg	25	4	0	29	2.3
Road Tractor	23	10	0	33	2.7
School Bus	3	0	0	3	0.2
Small School Bus	0	0	0	0	0.0
Urban Transit Bus	1	0	0	1	0.1
Intercity Bus	2	0	0	2	0.2
Bus - Unspecified	0	0	0	0	0.0
Motorcycle	1	4	0	5	0.4
Limited Speed Motorcycle	0	1	0	1	0.1
Off Road Vehicles (ATV)	0	1	0	1	0.1
Bicycle	1	13	0	14	1.1
Motor Home	0	0	0	0	0.0
Farm Equipment	1	0	0	1	0.1
Construction Equipment	7	0	0	7	0.6
Fire Engine	0	0	0	0	0.0
Snowmobile	2	17	0	19	1.5
Streetcar	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	33	0	0	33	2.7
Total	**1002**	**236**	**2**	**1240**	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	882	210	1	1093	88.1
Defective Brakes	0	3	0	3	0.2
Defective Steering	2	0	0	2	0.2
Defective Lighting	0	3	0	3	0.2
Tire Blown Out	5	1	0	6	0.5
Unsecured Load, Spilled Load	1	0	0	1	0.1
Oversized Load, Overload	1	0	0	1	0.1
Visibility Obstructed	19	3	0	22	1.8
Other Defective Vehicular Parts	30	4	1	35	2.8
Other Vehicular Factor	0	0	0	0	0.0
Unknown	62	12	0	74	6.0
Total	**1002**	**236**	**2**	**1240**	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	405	159	2	566	45.6
Turning Left	57	21	0	78	6.3
Turning Right	47	9	0	56	4.5
Making U-Turn	7	1	0	8	0.6
Changing Lanes	10	0	0	10	0.8
Merging	0	0	0	0	0.0
Reversing	135	8	0	143	11.5
Overtaking	11	2	0	13	1.0
Negotiating Curve	0	0	0	0	0.0
Slowing or Stopped in Traffic	84	25	0	109	8.8
Starting in Traffic	12	0	0	12	1.0
Leaving Roadside	6	3	0	9	0.7
Stopped/Parked Legally	160	4	0	164	13.2
Stopped/Parked Illegally	7	0	0	7	0.6
Swerving to Avoid Collision	9	4	0	13	1.0
Run-away or Roll-away Vehicle	13	0	0	13	1.0
Unspecified Manoeuvre	0	0	0	0	0.0
Other	3	0	0	3	0.2
Unknown	36	0	0	36	2.9
Total	**1002**	**236**	**2**	**1240**	100.0

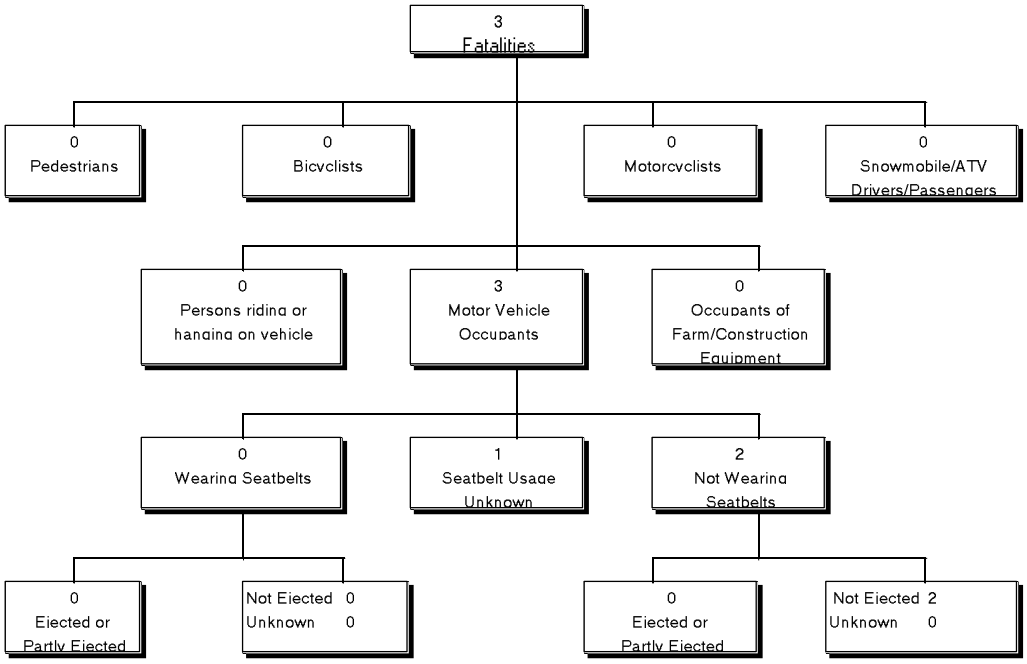
Number of Vehicles in Collisions by Vehicle Year and Severity

Figure 6.4

Model Year	Property Damage	Personal Injury	Fatal	Total	%
1995	4	1	0	5	0.4
1994	70	23	0	93	7.5
1993	91	18	0	109	8.8
1992	79	15	0	94	7.6
1991	86	19	0	105	8.5
1990	94	22	1	117	9.4
1989	93	16	0	109	8.8
1988	95	16	0	111	9.0
1987	53	16	0	69	5.6
1986	44	20	0	64	5.2
1985	44	13	1	58	4.7
1984	40	3	0	43	3.5
1983 & Older	154	30	0	184	14.8
Unspecified	55	24	0	79	6.4
Total	**1002**	**236**	**2**	**1240**	100.0

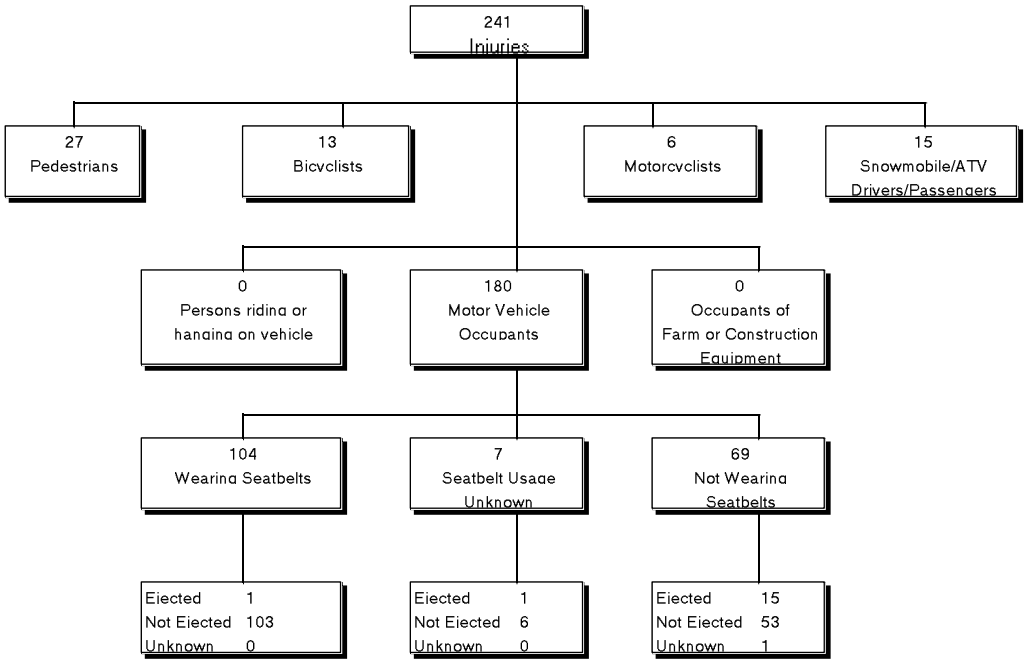
Fatalities Classification
(January 1 to December 31, 1994)

Figure 7.1



Injuries Classification
(January 1 to December 31, 1994)

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	2	7	16	38	23	14	6	3	0	109	45.2
Motor Vehicle Passenger	1	12	12	7	14	11	3	3	1	7	71	29.5
Pedestrian	3	6	1	0	4	6	3	0	2	2	27	11.2
Bicyclist	0	6	2	4	1	0	0	0	0	0	13	5.4
Motorcyclist (includes passengers	0	0	3	1	0	0	2	0	0	0	6	2.5
ATV Operators & Passengers	0	0	0	0	0	1	0	0	0	0	1	0.4
Snowmobile Operators & Passengers	0	2	3	4	5	0	0	0	0	0	14	5.8
Farm/Construction Equipment	0	0	0	0	0	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0	0	0	0	0	0.0
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	4	28	28	32	62	41	22	9	6	9	241	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	1	0	0	0	0	0	0	0	1	33.3
Motor Vehicle Passenger	1	0	1	0	0	0	0	0	0	0	2	66.7
Pedestrian	0	0	0	0	0	0	0	0	0	0	0	0.0
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0.0
Motorcyclist (includes passengers	0	0	0	0	0	0	0	0	0	0	0	0.0
ATV Operators & Passengers	0	0	0	0	0	0	0	0	0	0	0	0.0
Snowmobile Operators & Passengers	0	0	0	0	0	0	0	0	0	0	0	0.0
Farm/Construction Equipment	0	0	0	0	0	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0	0	0	0	0	0.0
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	1	0	2	0	0	0	0	0	0	0	3	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	76	33	0	109	1	0	0	1
Motor Vehicle Passenger	27	43	1	71	1	1	0	2
Pedestrian	14	13	0	27	0	0	0	0
Bicyclist	10	3	0	13	0	0	0	0
Motorcyclist (includes passengers)	4	2	0	6	0	0	0	0 0
ATV Operators & Passengers	1	0	0	1	0	0	0	0
Snowmobile Operators & Passengers	13	1	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	145	95	1	241	2	1	0	3

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	212	77	867	0	295	**1451**	88.8
Minimal Injuries	28	0	44	0	4	**76**	4.7
Minor Injuries	33	4	49	0	2	**88**	5.4
Major (Hospital Admission)	8	0	7	0	1	**16**	1.0
Fatal	2	0	0	0	1	**3**	0.2
Injured - Extent Unknown	0	0	0	0	0	**0**	0.0
Total	**283**	**81**	**967**	**0**	**303**	**1634**	100.0

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

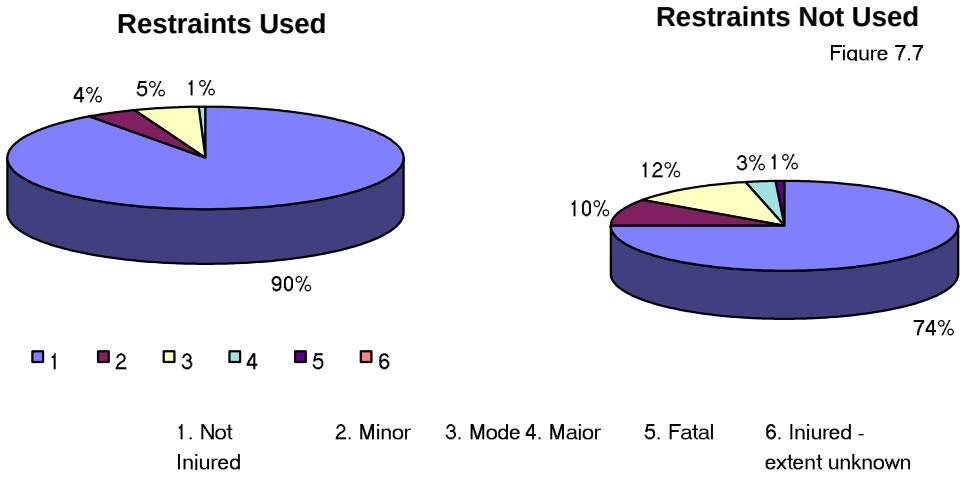


Figure 7.7

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".

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	27	32	107	99	264	206	95	29	21	64	944
Minimal Injuries	0	0	4	6	12	9	6	2	2	3	44
Minor Injuries	0	2	5	5	17	16	4	2	1	1	53
Major (Hospital Admission)	0	0	0	0	2	1	2	2	0	0	7
Fatal	0	0	0	0	0	0	0	0	0	0	0
Injured - Extent Unknown	0	0	0	0	0	0	0	0	0	0	0
Total	**27**	**34**	**116**	**110**	**295**	**232**	**107**	**35**	**24**	**68**	**1048**

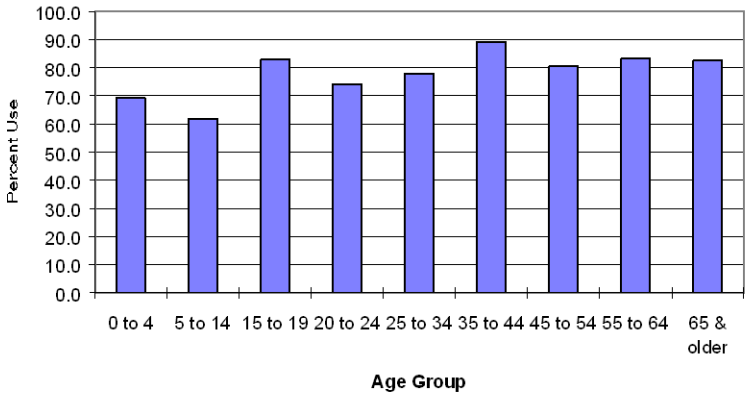
Restraints Not Used

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	10	10	13	27	63	23	21	4	4	37	212
Minimal Injuries	1	5	2	5	9	2	2	1	0	1	28
Minor Injuries	0	5	5	4	11	3	2	2	1	0	33
Major (Hospital Admission)	0	1	3	2	0	0	1	0	0	1	8
Fatal	1	0	1	0	0	0	0	0	0	0	2
Injured - Extent Unknown	0	0	0	0	0	0	0	0	0	0	0
Total	**12**	**21**	**24**	**38**	**83**	**28**	**26**	**7**	**5**	**39**	**283**

* 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	6	1	0	4	6	3	0	2	2	27	100.0
Killed	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	3	6	1	0	4	6	3	0	2	2	27	
%	11.1	22.2	3.7	0.0	14.8	22.2	11.1	0.0	7.4	7.4	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	0	0	0	0	0	0	0	0	0	0	0.0
Crossing Intersection With Traffic Control, Without Right-of-Way	0	0	0	0	1	0	0	0	0	0	1	3.7
Crossing Intersection - No Traffic Control	0	0	0	0	0	1	0	0	0	0	1	3.7
Crossing Roadway at Crosswalk	0	0	0	0	0	0	1	0	0	0	1	3.7
Crossing Roadway Not at Intersection	0	0	0	0	0	0	1	0	0	0	1	3.7
Walking Along Roadway Against Traffic	0	0	0	0	1	0	0	0	0	0	1	3.7
Walking Along Roadway With Traffic	0	2	1	0	1	3	0	0	1	0	8	29.6
On Sidewalk, Median, Safety Zone	0	0	0	0	0	0	0	0	1	0	1	3.7
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	0	0	0	0	0	0	1	2	7.4
Coming from Behind Moving Vehicle	0	0	0	0	0	0	1	0	0	0	1	3.7
Running into Roadway	2	2	0	0	0	2	0	0	0	0	6	22.2
Getting On/Off School Bus	0	0	0	0	0	0	0	0	0	0	0	0.0
Getting On/Off Other Vehicles	0	0	0	0	0	0	0	0	0	0	0	0.0
Pushing Vehicle on Road	0	0	0	0	0	0	0	0	0	0	0	0.0
Working on Vehicle on Side of Road	0	0	0	0	0	0	0	0	0	0	0	0.0
Playing on Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0
Working on Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0
Lying on Road	0	0	0	0	1	0	0	0	0	0	1	3.7
Other	1	0	0	0	0	0	0	0	0	1	2	7.4
Unknown	0	1	0	0	0	0	0	0	0	0	1	3.7
Total	3	6	1	0	4	6	3	0	2	2	27	100.0

Pedestrians Injured or Killed By Place of Occurrence and Injury Severity

Figure 8.3

Place of Occurrence	Killed	Injured	Total	%
Urban	0	27	27	100.0
Rural	0	0	0	0.0
Unspecified	0	0	0	0.0
Total	0	27	27	100.0

Pedestrians Injured or Killed by Accident Site

Figure 8.4

Accident Site	Killed	Injured	Total	%
Non-Intersection	0	14	**14**	51.9
At Intersection of At Least Two Roadways	0	8	**8**	29.6
Intersection With Parking Lot/Driveway/Alley	0	4	**4**	14.8
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	1	**1**	3.7
Unspecified	0	0	**0**	0.0
Total	**0**	**27**	**27**	100.0

Pedestrians Injured or Killed by Pedestrian Condition

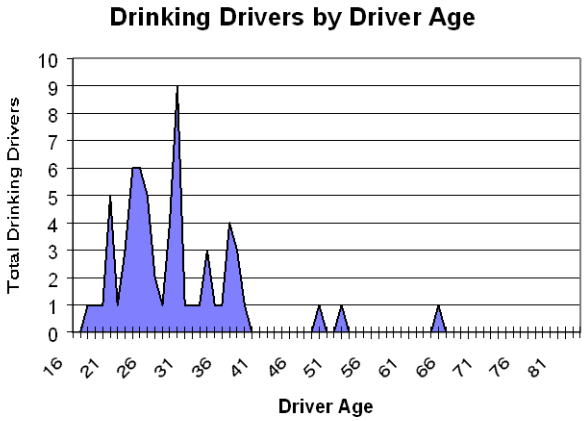
Figure 8.5

Pedestrian Condition	Killed	Injured	Total	%
Apparently Normal	0	16	16	59.3
Fatigued, Fell Asleep	0	0	0	0.0
Inexperience	0	0	0	0.0
Under Influence - Alcohol	0	9	9	33.3
Under Influence - Drugs	0	0	0	0.0
Sudden Illness. Lost Conciousness	0	1	1	3.7
Other Condition	0	0	0	0.0
Unknown	0	1	1	3.7
Total	**0**	**27**	**27**	100.0

Drinking Drivers in Collisions by Driver Age and Gender

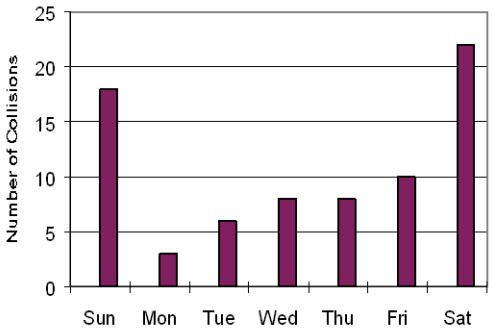
Figure 9.1

Driver Age	Male	Female	Not Stated	Total Drinking Drivers
Under 16	0	0	0	**0**
16	0	0	0	**0**
17	0	0	0	**0**
18	1	0	0	**1**
19	1	0	0	**1**
20	1	0	0	**1**
21 to 24	14	1	0	**15**
25 to 34	27	6	0	**33**
35 to 44	10	0	0	**10**
45 to 54	1	1	0	**2**
55 to 64	0	0	0	**0**
65 & Older	3	0	0	**3**
Not Stated	0	0	1	**1**
Total	**58**	**8**	**1**	**67**



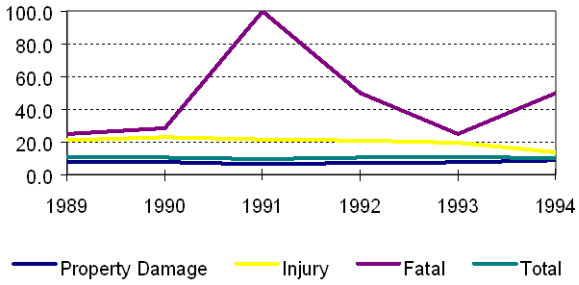
Collisions Involving Alcohol by Day of Week

Figure 9.2



Percentage of Collisons Involving Alcohol by Year and Severity

Figure 9.3



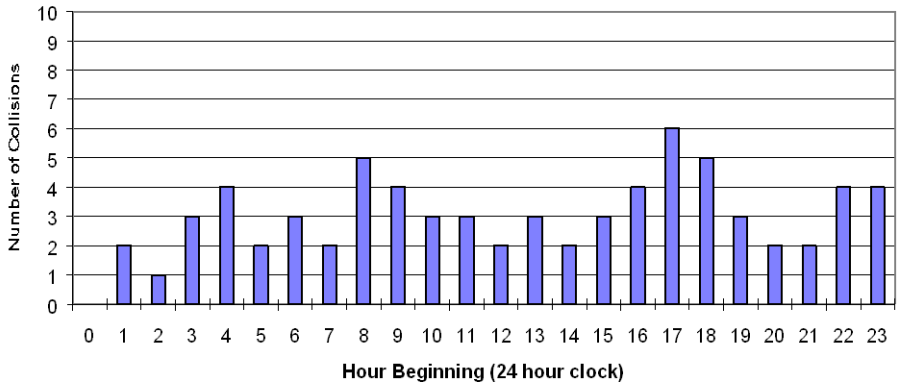
Number of Collisions and Victims Involving Alcohol

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	38	35	1	74	10.9	67	1	68	23.7
1994	51	24	1	76	10.2	39	1	40	16.4
Average	**49**	**34**	**2**	**85**	**10**	**58**	**2**	**60**	**23.6**

Number of Alcohol Related Collisions by Time of Day

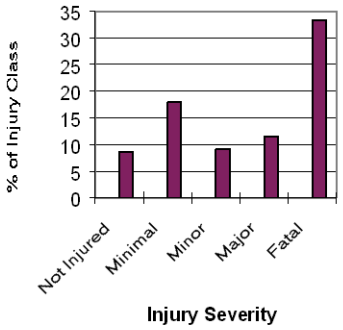
Figure 9.5



Injury Severity by Alcohol Involvement

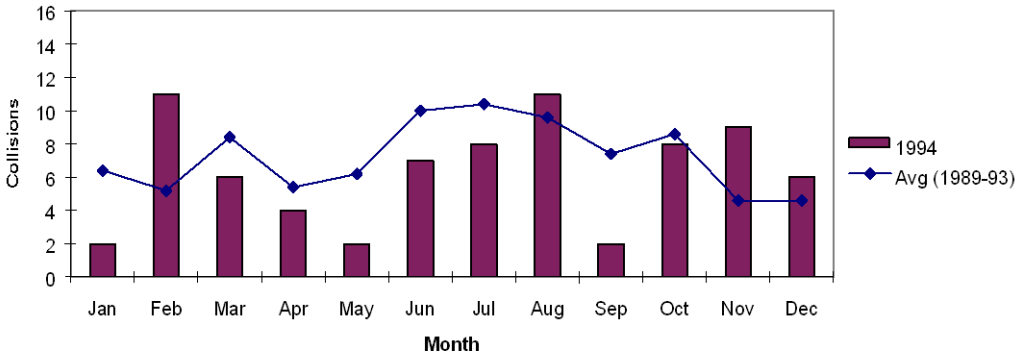
Figure 9.6

Injury Severity	Alcohol Involvement Yes	No	Totals	% with Alcohol
Not Injured	128	1,348	1476	8.7
Minimal Injuries	17	78	95	17.9
Minor	11	109	120	9.2
Major	3	23	26	11.5
Fatal	1	2	3	33.3
Injured - Extent Unknown	0	0	0	-
Total	**160**	**1560**	**1720**	**9.3**



Alcohol-Involved Collisions by Month

Figure 9.7



Off-Road Vehicle Collisions by Month and Severity

Figure 10.1

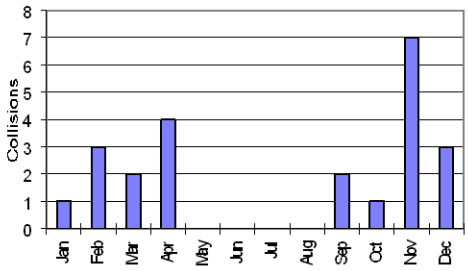
	Number of Collisions				Number of Victims	
Month	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	1	0	0	1	0	0
February	1	2	0	3	2	0
March	1	1	0	2	1	0
April	1	3	0	4	3	0
May	0	0	0	0	0	0
June	0	0	0	0	0	0
July	0	0	0	0	0	0
August	0	0	0	0	0	0
September	2	0	0	2	0	0
October	0	1	0	1	1	0
November	3	4	0	7	9	0
December	1	2	0	3	2	0
Total	**10**	**13**	**0**	**23**	**18**	**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	**19**	**1**	**20**
Fatal	0	0	0
Injury	17	1	18
Property Damage	2	0	2

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	1	0	0	0	0	0	1	5.0
5 to 14	3	0	0	0	0	0	3	15.0
15 to 19	5	0	0	0	0	0	5	25.0
20 to 24	5	0	0	0	0	0	5	25.0
25 to 34	4	0	0	0	0	0	4	20.0
35 to 44	1	0	0	1	0	0	2	10.0
45 to 54	0	0	0	0	0	0	0	0.0
55 to 64	0	0	0	0	0	0	0	0.0
65 & Over	0	0	0	0	0	0	0	0.0
Unknown	0	0	0	0	0	0	0	0.0
Total	19	0	0	1	0	0	20	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	2	10	0	12	60.0
Fatigue/Fell Asleep	0	0	0	0	0.0
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	0	8	0	8	40.0
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	0	0	0	0	0.0
Total	2	18	0	20	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	2	0	2	10.0
Following Too Closely	0	0	0	0	0.0
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	0	6	0	6	30.0
Improper Turning or Passing	0	1	0	1	5.0
Failed to Yield Right-of-Way	1	4	0	5	25.0
Disobeyed Traffic Control or Officer	0	0	0	0	0.0
Driving on Wrong Side of Road	0	1	0	1	5.0
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	0	0	0	0.0
Lost Control	1	4	0	5	25.0
Other	0	0	0	0	0.0
Unknown	0	0	0	0	0.0
Total	**2**	**18**	**0**	**20**	**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	2	8	5	15	50.0
Minimal Injuries	0	2	0	2	6.7
Minor Injuries	1	7	2	10	33.3
Major (Hospital Admission)	1	1	1	3	10.0
Fatal	0	0	0	0	0.0
Injured - Extent Unknown	0	0	0	0	0.0
Total	**4**	**18**	**8**	**30**	**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	2	3	0	5	5	0
Deline	1	1	0	2	2	0
Fort Good Hope	5	2	0	7	2	0
Fort McPherson	13	11	0	24	16	0
Holman	0	0	0	0	0	0
Inuvik	67	18	0	85	26	0
Norman Wells	6	2	0	8	2	0
Sachs Harbour	0	0	0	0	0	0
Tuktoyaktuk	8	3	0	11	3	0
Tulita	1	0	0	1	0	0
Sub Total Inuvik Region	**103**	**40**	**0**	**143**	**56**	**0**

B - Fort Simpson Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Fort Liard	5	0	0	5	0	0
Fort Simpson	14	4	1	19	9	1
Sub Total Fort Simpson Region	**19**	**4**	**1**	**24**	**9**	**1**

C - South Slave Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Hay River	95	26	0	121	46	0
Fort Providence	17	11	0	28	16	0
Fort Resolution	5	6	0	11	6	0
Fort Smith	35	7	0	42	8	0
Lutsel K'e	0	0	0	0	0	0
Sub Total South Slave Region	**152**	**50**	**0**	**202**	**76**	**0**

D - North Slave Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Rae/Wha Ti	24	17	0	41	24	0
Yellowknife	272	62	1	335	76	2
Sub Total North Slave Region	**296**	**79**	**1**	**376**	**100**	**2**
Total - All Regions	**570**	**173**	**2**	**745**	**241**	**3**

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 (1994 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Aklavik	5	194	79	908	2.58	6.33	0.55
Deline	2	54	28	640	3.70	7.14	0.31
Fort Good Hope	7	176	91	775	3.98	7.69	0.90
Fort McPherson	24	226	223	1,017	10.62	10.76	2.36
Ulukhaktok	0	50	66	413	0.00	0.00	0.00
Inuvik	85	1,973	1,657	3,657	4.31	5.13	2.32
Norman Wells	8	545	651	721	1.47	1.23	1.11
Sachs Harbour	0	38	29	142	0.00	0.00	0.00
Tuktoyaktuk	11	395	256	1,332	2.78	4.30	0.83
Tulita	1	0	71	427	0.00	1.41	0.23
Sub Total Inuvik Region	**143**	**3,651**	**3,151**	**10,032**	**3.92**	**4.54**	**1.43**

B - Fort Simpson Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1994 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Fort Liard	5	157	154	557	3.18	3.25	0.90
Fort Simpson	19	779	800	1,676	2.44	2.38	1.13
Sub Total Fort Simpson Region	**24**	**936**	**954**	**2,233**	**2.56**	**2.52**	**1.07**

C - South Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1994 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Hay River	121	2,810	3,610	4,024	4.31	3.35	3.01
Fort Providence	28	241	286	746	11.62	9.79	3.75
Fort Resolution	11	236	195	576	4.66	5.64	1.91
Fort Smith	42	1,605	1,530	2,820	2.62	2.75	1.49
Lutsel K'e	0	50	27	328	0.00	0.00	0.00
Sub Total South Slave Region	**202**	**4,942**	**5,648**	**8,494**	**4.09**	**3.58**	**2.38**

D - North Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1994 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Behchoko/Whati	41	241	486	2,618	17.01	8.44	1.57
Yellowknife	335	13,083	11,761	17,661	2.56	2.85	1.90
Sub Total North Slave Region	**376**	**13,324**	**12,247**	**20,279**	**2.82**	**3.07**	**1.85**
Total - All Regions	**745**	**22,853**	**22,000**	**41,700**	**3.26**	**3.39**	**1.79**

[1] Number of registered vehicles and licensed drivers are as of December 31, 1994.

[2] 1994 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 1995.

Collisions on the NWT Highway System Figure 11.3

Highway #1 (Mackenzie)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	5.0	2-Apr-1994	Property Damage	Single Vehicle Rollover	0	0
	8.0	3-Jan-1994	Property Damage	Single Vehicle Rollover	0	0
	107.0	9-Jul-1994	Injury	Collision with Fixed Object	1	0
	124.0	4-Feb-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	124.0	30-Jul-1994	Injury	Single Vehicle Rollover	2	0
	148.0	10-Jun-1994	Injury	Single Vehicle Rollover	1	0
	154.0	23-Aug-1994	Injury	Single Vehicle Rollover	4	0
	154.0	27-Nov-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	167.0	16-May-1994	Property Damage	Single Vehicle Rollover	0	0
	172.5	17-Aug-1994	Injury	Other Multi-Vehicle Collision	1	0
	186.0	5-Feb-1994	Property Damage	Single Vehicle Rollover	0	0
	294.0	1-May-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	303.0	9-Sep-1994	Injury	Single Vehicle Rollover	2	0
	317.0	2-Jan-1994	Property Damage	Single Vehicle Rollover	0	0
	318.0	11-Jun-1994	Property Damage	Single Vehicle Rollover	0	0
	366.0	15-Sep-1994	Injury	Single Vehicle Rollover	1	0
	387.0	22-Jul-1994	Property Damage	Single Vehicle Rollover	0	0
	397.0	12-Mar-1994	Property Damage	Single Vehicle Rollover	0	0
	399.0	8-Apr-1994	Property Damage	Ran Off Road	0	0
	411.0	12-Nov-1994	Injury	Collision with Fixed Object	2	0
	440.0	26-May-1994	Property Damage	Single Vehicle Rollover	0	0
	444.0	16-May-1994	Fatal	Single Vehicle Rollover	1	1
	470.0	6-Jul-1994	Property Damage	Rear End	0	0
	575.0	12-Sep-1994	Property Damage	Single Vehicle Rollover	0	0
	691.0	27-Oct-1994	Injury	Single Vehicle Rollover	2	0

Summary Highway #1	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	15	9	1	25	17	1

Highway #2 (Hay River)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	9.0	25-Aug-1994	Property Damage	Single Vehicle Rollover	0	0
	11.0	3-Feb-1994	Property Damage	Sideswipe - Opposite Direction	0	0
	18.0	17-Dec-1994	Property Damage	Collision with Fixed Object	0	0
	37.0	3-Mar-1994	Property Damage	Passing - Left Turn	0	0
	37.0	8-Sep-1994	Injury	Ran Off Road	1	0
	38.0	15-Jun-1994	Property Damage	Sideswipe Same Direction	0	0
	38.0	11-Jul-1994	Injury	Other Multi-Vehicle Collision	3	0
	38.0	31-Aug-1994	Property Damage	Rear End	0	0
	38.0	3-Sep-1994	Injury	Right Angle	1	0
	38.0	8-Sep-1994	Injury	Rear End	4	0
	38.0	23-Oct-1994	Injury	Single Vehicle Rollover	4	0
	38.0	15-Nov-1994	Injury	Single Vehicle Rollover	2	0
	38.0	20-Nov-1994	Injury	Single Vehicle Rollover	4	0
	39.7	14-Mar-1994	Injury	Single Vehicle Rollover	1	0
	41.0	2-Aug-1994	Injury	Single Vehicle Rollover	1	0
	41.0	26-Oct-1994	Property Damage	Passing - Left Turn	0	0
	41.1	28-Oct-1994	Property Damage	Collision with Fixed Object	0	0
	41.1	13-Nov-1994	Injury	Collision with Fixed Object	1	0
	42.0	29-Mar-1994	Injury	Other Multi-Vehicle Collision	1	0
	42.0	19-Aug-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	44.5	21-Feb-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	44.6	7-Oct-1994	Property Damage	Passing - Left Turn	0	0

Summary Highway #2	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	11	11	0	22	23	0

Highway #3 (Yellowknife)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	14.0	10-Sep-1994	Property Damage	Animal Strike	0	0
	28.0	21-Oct-1994	Property Damage	Animal Strike	0	0
	31.4	21-Feb-1994	Property Damage	Collision with Fixed Object	0	0
	42.0	1-Aug-1994	Injury	Animal Strike	1	0
	44.0	27-Aug-1994	Injury	Animal Strike	1	0
	54.0	2-Aug-1994	Property Damage	Animal Strike	0	0
	54.0	1-Nov-1994	Property Damage	Animal Strike	0	0
	56.0	14-Nov-1994	Injury	Animal Strike	1	0
	63.0	21-Sep-1994	Property Damage	Animal Strike	0	0
	74.0	27-Aug-1994	Property Damage	Animal Strike	0	0
	85.0	1-Jul-1994	Injury	Single Vehicle Rollover	3	0
	90.0	21-Jun-1994	Injury	Other Multi-Vehicle Collision	1	0
	99.0	11-Jan-1994	Property Damage	Animal Strike	0	0
	101.0	9-Dec-1994	Injury	Collision with Parked Vehicle	2	0
	108.0	29-Oct-1994	Injury	Single Vehicle Rollover	1	0
	118.0	2-Aug-1994	Property Damage	Single Vehicle Rollover	0	0
	120.0	20-Nov-1994	Property Damage	Single Vehicle Rollover	0	0
	146.0	11-Nov-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	161.0	4-Jan-1994	Injury	Single Vehicle Rollover	2	0
	162.0	16-May-1994	Injury	Single Vehicle Rollover	2	0
	180.0	9-Jun-1994	Injury	Single Vehicle Rollover	1	0
	189.0	4-Aug-1994	Injury	Single Vehicle Rollover	1	0
	195.0	5-Sep-1994	Property Damage	Single Vehicle Rollover	0	0
	198.0	3-Mar-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	203.0	2-Sep-1994	Injury	Single Vehicle Rollover	1	0
	204.0	21-Oct-1994	Property Damage	Single Vehicle Rollover	0	0
	213.0	16-Jun-1994	Property Damage	Single Vehicle Rollover	0	0
	246.0	7-Nov-1994	Injury	Single Vehicle Rollover	2	0
	253.0	10-Jul-1994	Property Damage	Single Vehicle Rollover	0	0
	254.0	18-Dec-1994	Injury	Ran Off Road	1	0
	255.0	13-Aug-1994	Injury	Ran Off Road	1	0
	255.0	19-Aug-1994	Property Damage	Single Vehicle Rollover	0	0
	263.0	23-Nov-1994	Property Damage	Ran Off Road	0	0
	265.0	1-Feb-1994	Injury	Rear End	1	0
	275.0	1-Apr-1994	Property Damage	Single Vehicle Rollover	0	0
	275.0	27-Oct-1994	Injury	Single Vehicle Rollover	2	0
	285.0	28-Oct-1994	Property Damage	Single Vehicle Rollover	0	0
	295.0	6-Nov-1994	Injury	Single Vehicle Rollover	2	0
	296.0	23-Nov-1994	Injury	Ran Off Road	1	0
	300.0	16-Nov-1994	Property Damage	Single Vehicle Rollover	0	0
	301.0	30-Jan-1994	Injury	Single Vehicle Rollover	2	0
	303.0	31-Oct-1994	Property Damage	Single Vehicle Rollover	0	0
	309.0	1-Dec-1994	Property Damage	Ran Off Road	0	0
	314.0	6-Nov-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	331.0	7-Aug-1994	Injury	Single Vehicle Rollover	2	0
	333.0	10-May-1994	Property Damage	Ran Off Road	0	0
	333.0	15-Nov-1994	Property Damage	Collision with Fixed Object	0	0
	334.0	29-Sep-1994	Property Damage	Collision with Fixed Object	0	0
	335.0	6-Feb-1994	Property Damage	Collision with Fixed Object	0	0
	335.0	23-Oct-1994	Property Damage	Collision with Fixed Object	0	0
	335.0	17-Dec-1994	Injury	Single Vehicle Rollover	1	0
	336.0	10-Feb-1994	Property Damage	Collision with Fixed Object	0	0
	336.7	19-Feb-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	338.0	6-Nov-1994	Property Damage	Collision with Fixed Object	0	0
	338.8	17-Nov-1994	Property Damage	Left Turn Across Path	0	0

Summary Highway #3	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	33	22	0	55	32	0

Highway #4 (Ingraham Trail)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	1.0	24-Sep-1994	Property Damage	Sideswipe - Opposite Direction	0	0
	6.0	24-Jul-1994	Injury	Ran Off Road	4	0
	7.0	31-Jul-1994	Injury	Single Vehicle Rollover	3	0
	10.0	23-Jun-1994	Property Damage	Single Vehicle Rollover	0	0
	10.0	14-Nov-1994	Property Damage	Collision with Parked Vehicle	0	0
	10.0	14-Nov-1994	Property Damage	Ran Off Road	0	0
	12.0	4-Jan-1994	Injury	Collision with Fixed Object	1	0
	16.0	25-Jun-1994	Injury	Single Vehicle Rollover	1	0
	16.0	31-Oct-1994	Injury	Single Vehicle Rollover	1	0
	18.0	9-Jul-1994	Injury	Single Vehicle Rollover	1	0
	18.0	1-Aug-1994	Property Damage	Collision with Fixed Object	0	0
	26.0	17-Jan-1994	Property Damage	Sideswipe - Opposite Direction	0	0
	26.0	4-Nov-1994	Injury	Collision with Fixed Object	2	0
	29.8	17-Oct-1994	Fatal	Collision with Fixed Object	0	2
	30.0	3-Apr-1994	Property Damage	Single Vehicle Rollover	0	0
	34.0	1-Apr-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	40.0	21-Sep-1994	Property Damage	Ran Off Road	0	0
	47.0	19-Jan-1994	Injury	Single Vehicle Rollover	1	0

Summary Highway #4	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	9	8	1	18	14	2

Highway #5 (Fort Smith Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	14.0	28-Oct-1994	Property Damage	Collision with Fixed Object	0	0
	19.0	29-May-1994	Property Damage	Collision with Fixed Object	0	0
	24.0	31-Oct-1994	Property Damage	Ran Off Road	0	0
	29.0	31-Oct-1994	Property Damage	Collision with Fixed Object	0	0
	32.0	31-Jul-1994	Injury	Ran Off Road	1	0
	35.0	2-Feb-1994	Property Damage	Single Vehicle Rollover	0	0
	41.0	2-May-1994	Property Damage	Ran Off Road	0	0
	43.0	19-Jun-1994	Injury	Single Vehicle Rollover	2	0
	50.0	1-May-1994	Property Damage	Collision with Fixed Object	0	0
	87.5	21-Feb-1994	Property Damage	Single Vehicle Rollover	0	0
	103.0	8-Nov-1994	Injury	Single Vehicle Rollover	1	0
	186.0	11-Oct-1994	Property Damage	Animal Strike	0	0
	250.0	22-Aug-1994	Property Damage	Single Vehicle Rollover	0	0
	251.0	8-May-1994	Property Damage	Ran Off Road	0	0
	254.0	3-Dec-1994	Property Damage	Single Vehicle Rollover	0	0
	256.0	18-Jun-1994	Injury	Single Vehicle Rollover	1	0
	262.7	5-Sep-1994	Injury	Single Vehicle Rollover	1	0
	266.0	8-Oct-1994	Property Damage	Passing - Left Turn	0	0

Summary Highway #5	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	13	5	0	18	6	0

Highway #6 (Fort Resolution Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	12.0	13-Nov-1994	Property Damage	Collision with Fixed Object	0	0
	24.0	6-Dec-1994	Injury	Other Single Vehicle Collision	1	0
	53.0	25-Oct-1994	Injury	Single Vehicle Rollover	1	0
	68.0	23-May-1994	Injury	Single Vehicle Rollover	1	0
	90.0	23-Feb-1994	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	3	0	5	3	0

Highway #7 (Liard Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	0.0	31-Jul-1994	Property Damage	Animal Strike	0	0

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

Highway #8 (Dempster Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	4.0	10-Apr-1994	Property Damage	Collision with Fixed Object	0	0
	5.0	19-Aug-1994	Property Damage	Ran Off Road	0	0
	55.0	17-Jul-1994	Injury	Ran Off Road	1	0
	60.0	20-Mar-1994	Property Damage	Single Vehicle Rollover	0	0
	64.0	14-Aug-1994	Injury	Single Vehicle Rollover	1	0
	68.0	20-Jun-1994	Injury	Sideswipe - Opposite Direction	1	0
	72.0	18-Aug-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	74.0	7-Mar-1994	Injury	Single Vehicle Rollover	1	0
	75.0	28-Jul-1994	Injury	Single Vehicle Rollover	2	0
	84.0	28-Sep-1994	Property Damage	Ran Off Road	0	0
	99.0	20-Mar-1994	Property Damage	Single Vehicle Rollover	0	0
	100.0	30-Aug-1994	Injury	Single Vehicle Rollover	3	0
	101.0	7-Dec-1994	Property Damage	Single Vehicle Rollover	0	0
	105.0	20-Sep-1994	Injury	Single Vehicle Rollover	1	0
	138.0	19-Jun-1994	Injury	Ran Off Road	1	0
	143.0	29-Jul-1994	Injury	Single Vehicle Rollover	2	0
	148.0	18-Sep-1994	Injury	Collision with Fixed Object	2	0
	153.0	18-Oct-1994	Property Damage	Collision with Fixed Object	0	0
	170.0	17-Jul-1994	Property Damage	Single Vehicle Rollover	0	0
	172.0	7-Jun-1994	Property Damage	Single Vehicle Rollover	0	0
	175.0	23-Aug-1994	Property Damage	Single Vehicle Rollover	0	0
	205.0	12-Feb-1994	Property Damage	Other Multi-Vehicle Collision	0	0
	210.0	7-May-1994	Injury	Single Vehicle Rollover	2	0
	220.9	15-Oct-1994	Injury	Single Vehicle Rollover	2	0
	222.0	17-Oct-1994	Property Damage	Single Vehicle Rollover	0	0
	224.0	2-Jul-1994	Property Damage	Single Vehicle Rollover	0	0
	232.0	24-Jul-1994	Injury	Single Vehicle Rollover	1	0
	245.0	21-Jul-1994	Property Damage	Single Vehicle Rollover	0	0

Summary Highway #8	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	15	13	0	28	20	0

Access and Winter Roads	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
Aklavik Winter Access Road	16-Mar-1994	Property Damage	Collision with Fixed Object	0	0
Aklavik Winter Access Road	6-Apr-1994	Property Damage	Single Vehicle Rollover	0	0
Aklavik Winter Access Road	10-Apr-1994	Property Damage	Single Vehicle Rollover	0	0
Dettah Access Road	11-Nov-1994	Injury	Collision with Fixed Object	1	0
Dettah Winter Access Road	13-Jan-1994	Property Damage	Collision with Fixed Object	0	0
Dettah Winter Access Road	28-Mar-1994	Property Damage	Rear End	0	0
Dettah Winter Access Road	30-Mar-1994	Property Damage	Collision with Fixed Object	0	0
Dettah Winter Access Road	22-Dec-1994	Property Damage	Head-on	0	0
Fort Liard Access Road	10-Sep-1994	Property Damage	Animal Strike	0	0
Fort McPherson Access Road	11-Jan-1994	Property Damage	Other Multi-Vehicle Collision	0	0
Fort McPherson Access Road	30-Jun-1994	Injury	Collision with Pedestrian	1	0
Fort McPherson Access Road	27-Aug-1994	Property Damage	Collision with Fixed Object	0	0
Fort McPherson Access Road	13-Oct-1994	Property Damage	Ran Off Road	0	0
Hay River Reserve Access Road	12-May-1994	Injury	Single Vehicle Rollover	1	0
Hay River Reserve Access Road	6-Dec-1994	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road	23-Jan-1994	Property Damage	Collision with Fixed Object	0	0
Inuvik-Tuktoyaktuk Winter Road	4-Feb-1994	Property Damage	Single Vehicle Rollover	0	0
Kakisa Lake Access Road	28-Oct-1994	Property Damage	Ran Off Road	0	0
Mackenzie Highway Winter Road	26-Feb-1994	Property Damage	Sideswipe - Opposite Direction	0	0
Nagel Channel Road	6-Oct-1994	Property Damage	Single Vehicle Rollover	0	0
Rae Access Road	29-May-1994	Injury	Single Vehicle Rollover	2	0
Rae Access Road	9-Jun-1994	Property Damage	Single Vehicle Rollover	0	0
Rae Access Road	3-Sep-1994	Property Damage	Collision with Fixed Object	0	0
Rae Lakes Winter Access Road	19-Mar-1994	Property Damage	Other Multi-Vehicle Collision	0	0
Rae Lakes Winter Access Road	22-Mar-1994	Injury	Collision with Fixed Object	1	0
Rae Lakes Winter Access Road	7-Apr-1994	Property Damage	Single Vehicle Rollover	0	0
Sandy Lake Access Road	8-Aug-1994	Property Damage	Single Vehicle Rollover	0	0
Trout Lake Winter Access Road	24-Dec-1994	Property Damage	Collision with Fixed Object	0	0
Vee Lake Access Road	17-Mar-1994	Property Damage	Sideswipe - Opposite Direction	0	0
Yellowknife Access Road	20-Jun-1994	Injury	Ran Off Road	1	0

Summary Access and Winter Roads	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	24	6	0	30	7	0

Summary All NWT Highways	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	123	77	2	202	122	3

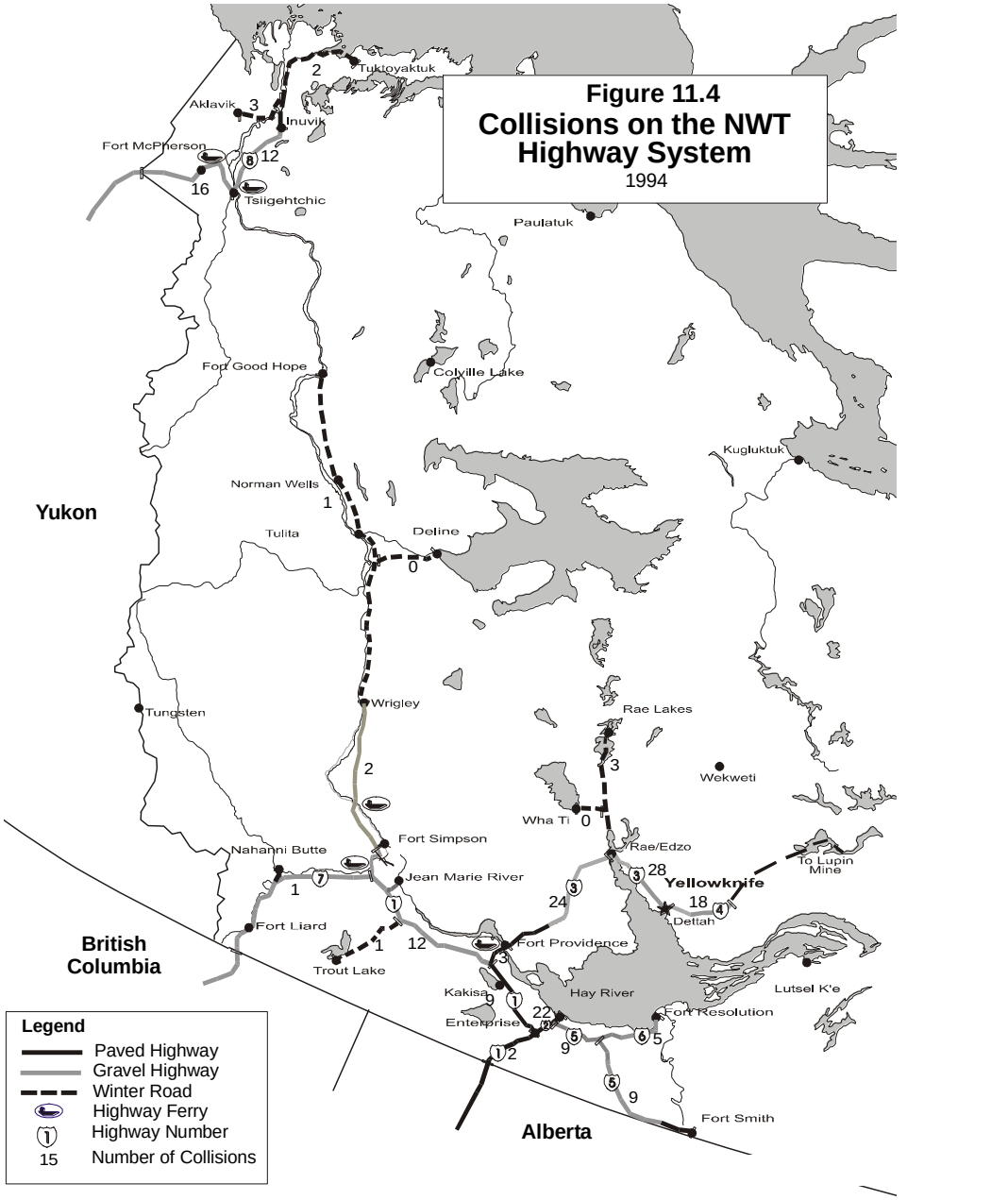
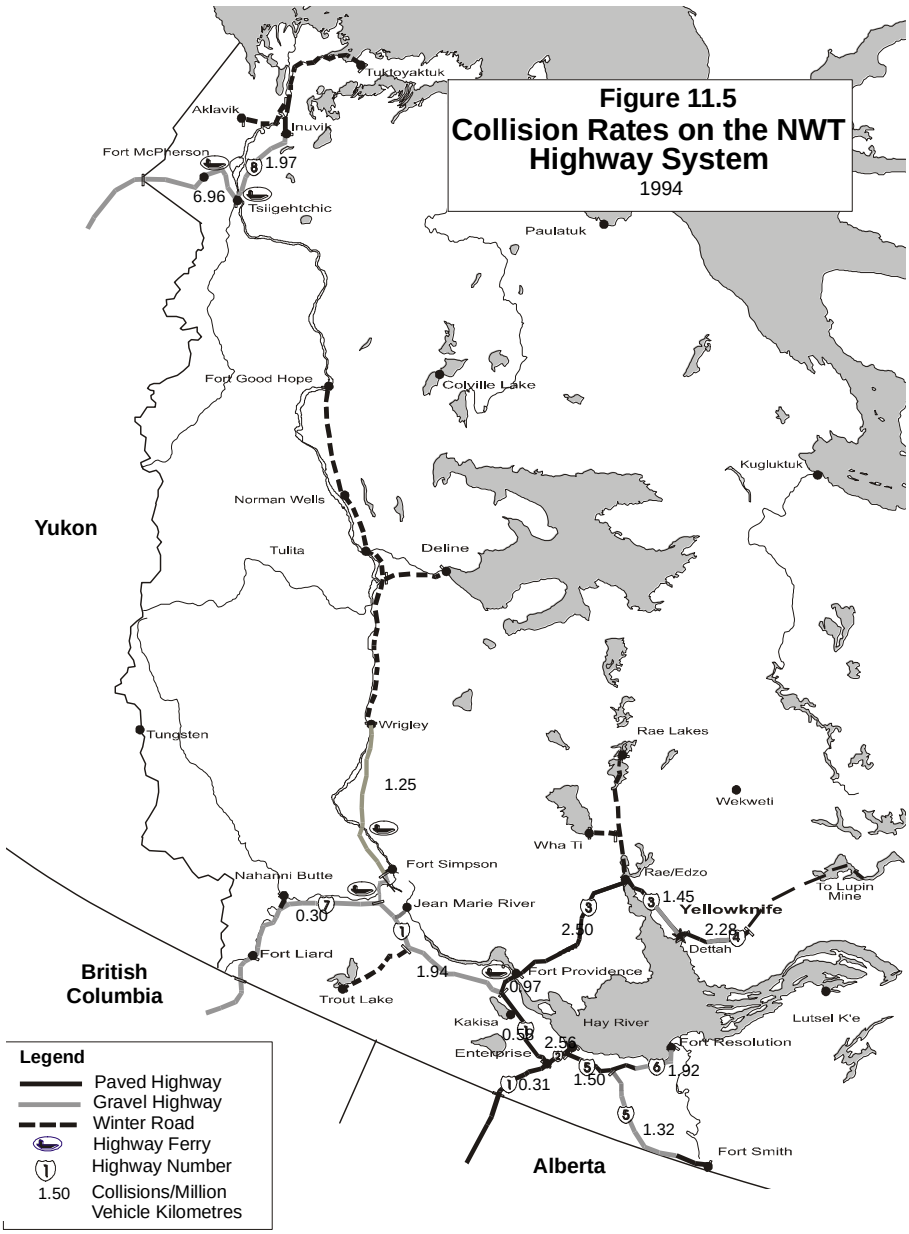
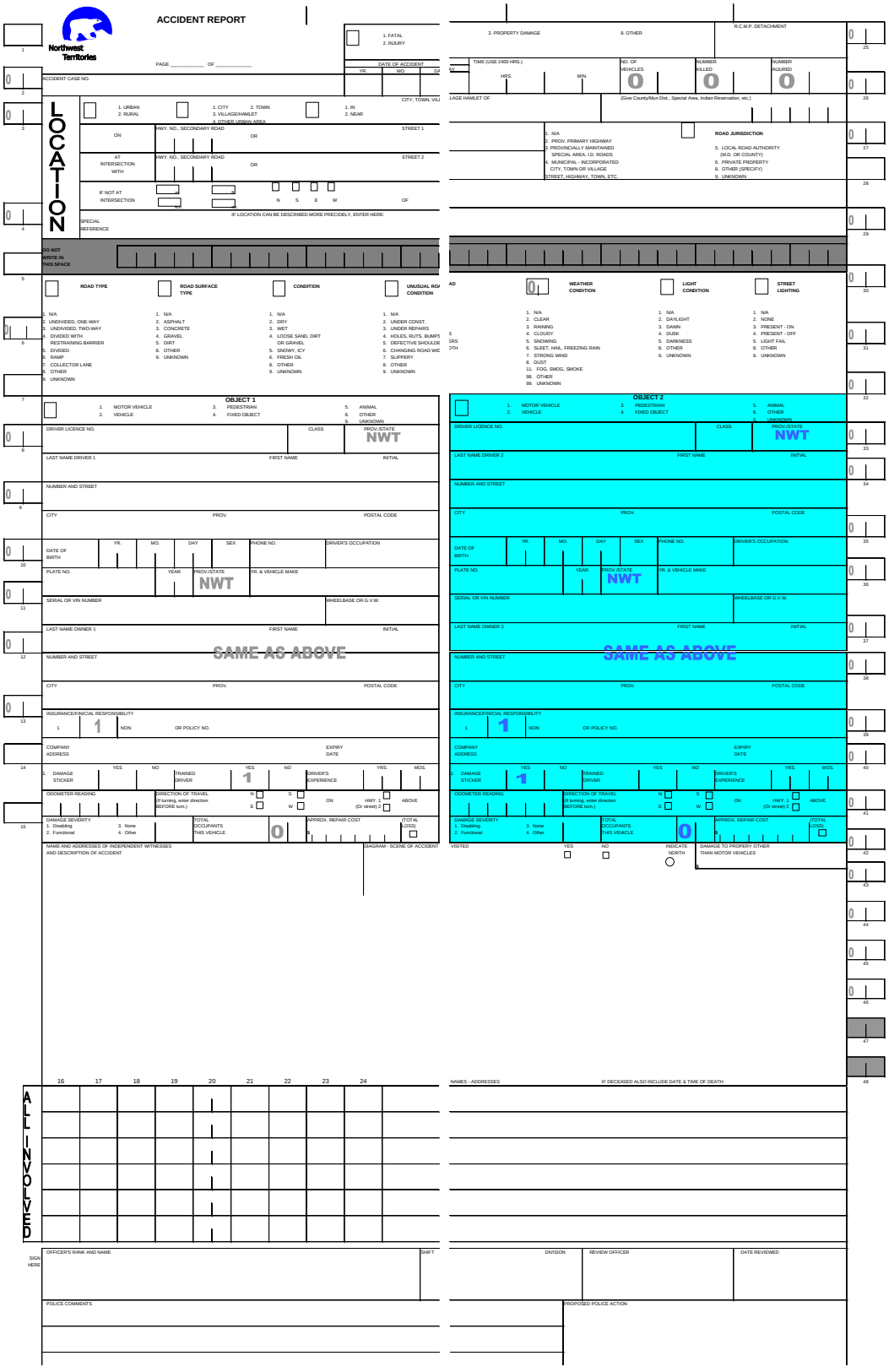
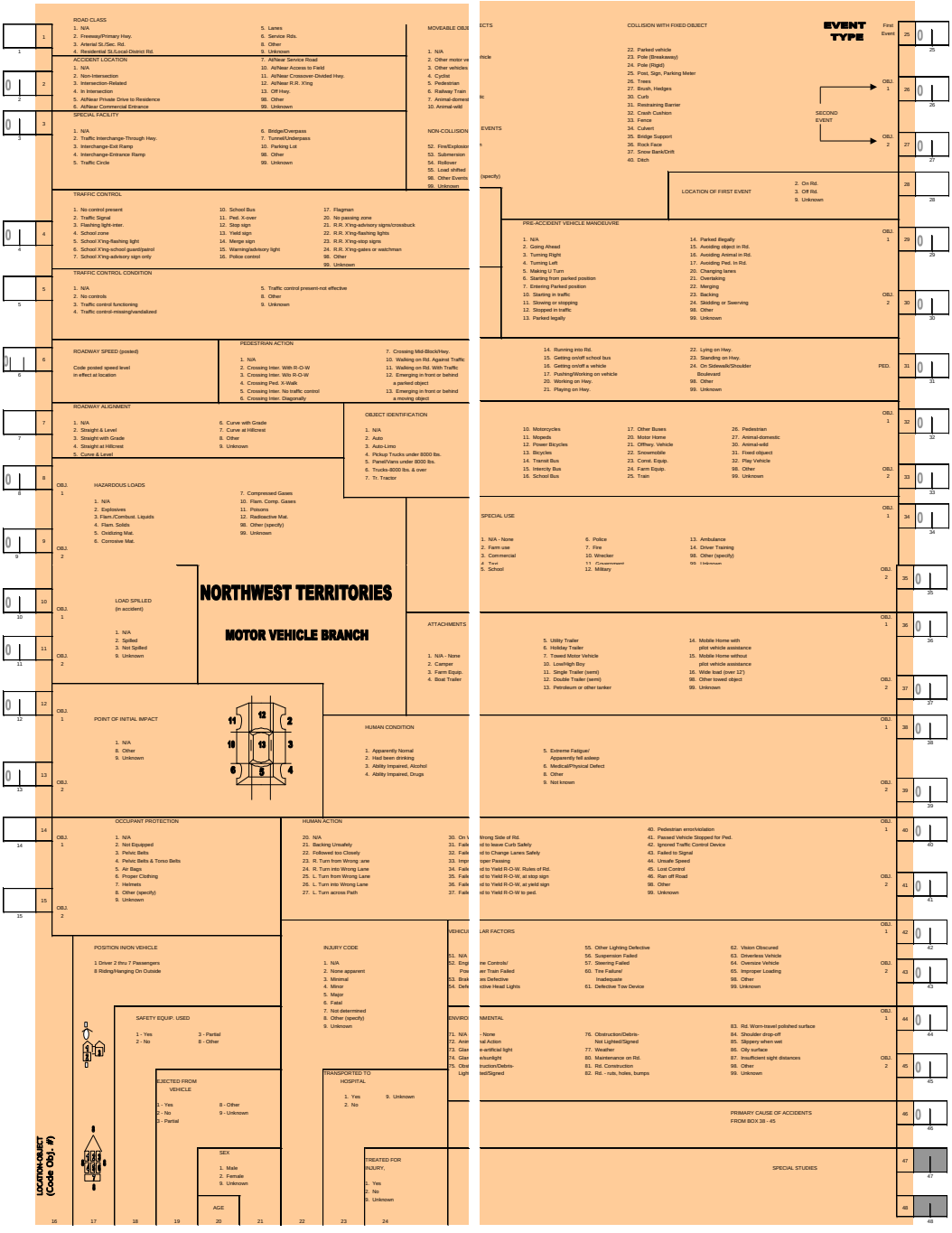


Figure 11.4
Collisions on the NWT Highway System
1994
Tuktoyaktuk
Aklavik
Inuvik
Fort McPherson
Tsiigehtchic
Paulatuk
Fort Good Hope
Colville Lake
Kugluktuk
Norman Wells
Yukon
Tulita
Deline
Wrigley
Tungsten
Rae Lakes
Wekweti
Wha Ti
Fort Simpson
Nahanni Butte
Rae/Edzo
To Lupin Mine
Yellowknife
Jean Marie River
Deltah
Fort Liard
British Columbia
Fort Providence
Trout Lake
Kakisa
Hay River
Lutsel K'e
Enterprise
Fort Resolution
Fort Smith
Alberta
Legend
Paved Highway
Gravel Highway
Winter Road
Highway Ferry
Highway Number
Number of Collisions

Figure 11.5
Collision Rates on the NWT Highway System
1994




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
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
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
LOAD SPILLED (in accident)
1. N/A
2. Spilled
3. Not Spilled
9. Unknown
POINT OF INITIAL IMPACT
1. N/A
8. Other
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
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. #)
MOVEABLE OBJE
1. N/A
2. Other motor ve
3. Other vehicles
4. Cyclist
5. Pedestrian
6. Railway Train
7. Animal-domest
10. Animal-wild
NON-COLLISION
52. Fire/Explosior
53. Submersion
54. Rollover
55. Load shifted
98. Other Events
99. Unknown
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
SECOND EVENT
OBJ. 1
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
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 Boulevard
98. Other
99. Unknown
PED.
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
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
ENVIRONMENTAL
76. Obstruction/Debris-Not Lighted/Signed
77. Weather
80. Maintenance on Rd.
81. Rd. Construction
82. Rd. - ruts, holes, bumps
83. Rd. Worn-travel polished surface
84. Shoulder drop-off
85. Slippery when wet
86. Oily surface
87. Insufficient sight distances
98. Other
99. Unknown
PRIMARY CAUSE OF ACCIDENTS FROM BOX 38 - 45
SPECIAL STUDIES

The following is a brief description of the two fatal traffic collisions that took place in the Northwest Territories in 1994, resulting in three fatalities.

RCMP Detachment	Date	Description
Fort Simpson	15-May	Single vehicle rollover on Km 444 of Highway #1. Unrestrained child was totally ejected and sustained fatal injuries. Restrained driver suffered unspecified injuries. It was believed that the rear torsion bar failed some time before the collision, causing the driver to lose directional control.
Yellowknife	16-Oct	Passenger car was being driven at high rate of speed by 17 year old male near Km 30 of Highway #4 when he lost directional control on loose gravel. Vehicle struck large rock and fire erupted, causing total incineration of vehicle. Both driver and right front passenger died at the scene. Driver was not restrained while restraint use by passenger was unknown. Unknown if alcohol was involved.