1992 NWT Traffic Collision Facts

Department of Transportation
Road Licensing and Safety Division
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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.

1992 QUICK FACTS REPORT

1992 Compared to 1991

	1991	1992	% Change
PROPERTY DAMAGE ONLY COLLISIONS	712	679	-4.6
PERSONAL INJURY COLLISIONS	171	181	5.8
FATAL COLLISIONS	3	6	100.0
TOTAL REPORTED COLLISIONS	886	866	-2.3
NUMBER OF PERSONS KILLED	3	6	100.0
NUMBER OF PERSONS INJURED	246	260	5.7
NWT HIGHWAY SYSTEM COLLISIONS	217	207	-4.6
RURAL COLLISIONS	4	5	25.0
COLLISIONS IN COMMUNITIES	665	654	-1.7
REGISTERED VEHICLES	19,471	20,632	6.0
LICENSED DRIVERS	18,585	18,849	1.4
NWT POPULATION [1]	38,700	39,400	1.8
COLLISIONS PER 100 LICENSED DRIVERS	4.77	4.59	-3.6
COLLISIONS PER 100 REGISTERED VEHICLES	4.55	4.20	-7.8
COLLISIONS PER 100 POPULATION	2.29	2.20	-4.0
COLLISIONS INVOLVING ALCOHOL	86	91	5.8

[1] 1991 and 1992 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 1993.

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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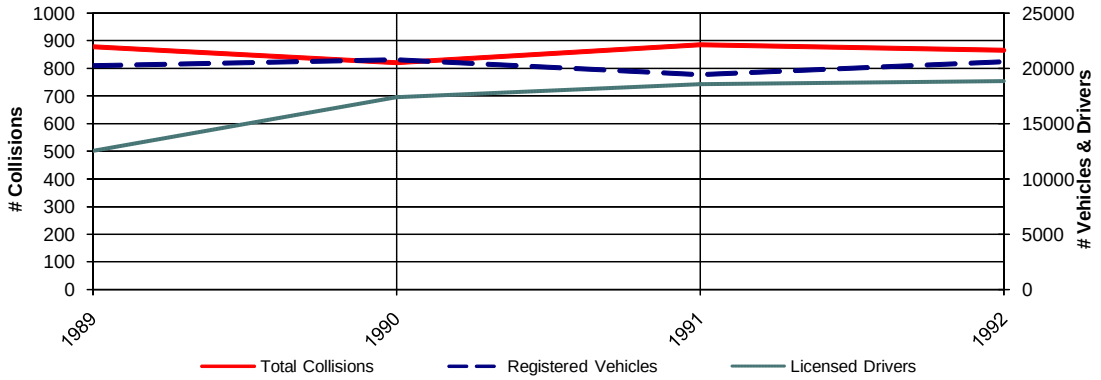
Trends in Licensed Drivers, Registered Vehicles and Collisions

Figure 1.1

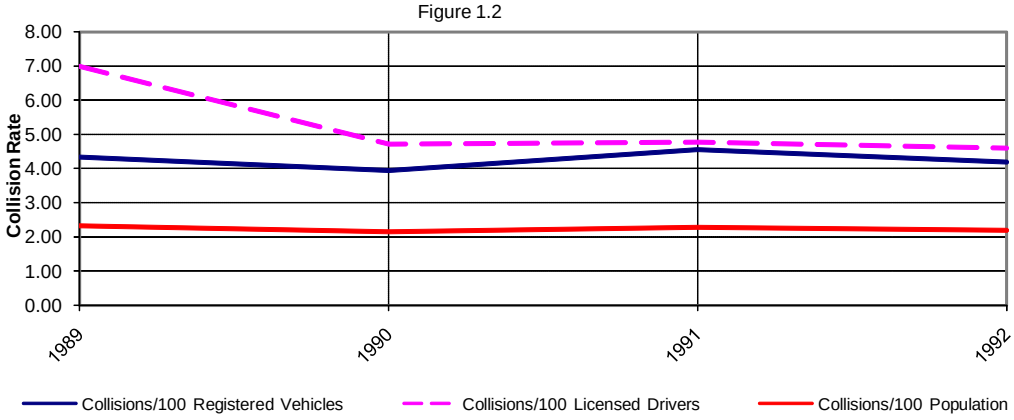


3 Year Summary

	1990	1991	1992	% Change
Registered Vehicles	20,793	19,471	20,632	6.0
Licensed Drivers	17,418	18,585	18,849	1.4
Total Collisions	821	886	866	-2.3

Trends in Collision Rates by Vehicles, Drivers and Population

Figure 1.2

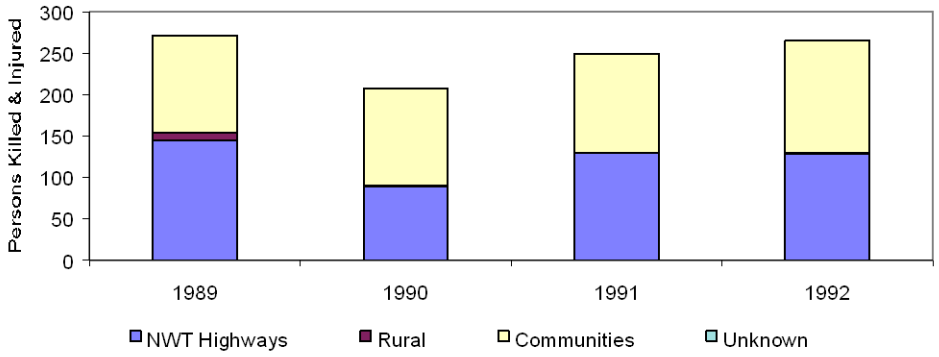


3 Year Summary

	1990	1991	1992	% Change
Collisions/100 Registered Vehicles	3.95	4.55	4.20	-7.8
Collisions/100 Licensed Drivers	4.71	4.77	4.59	-3.6
Collisions/100 Population	2.15	2.29	2.20	-4.0

Trends in Injuries & Fatalities

Figure 1.3

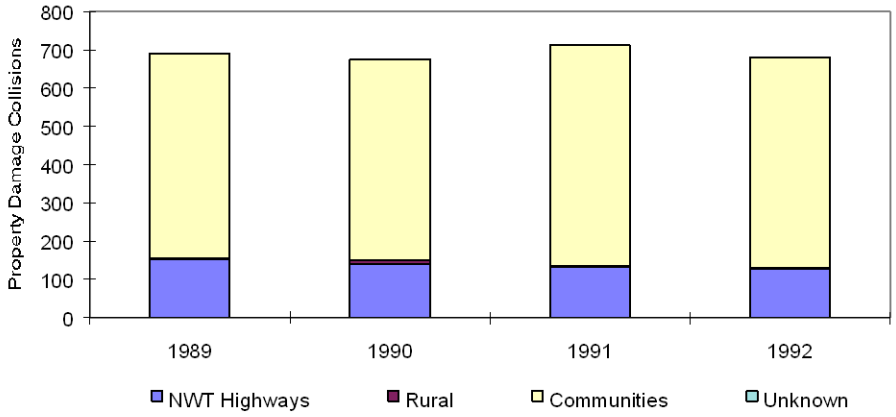


3 Year Summary

	Persons Injured				Persons Killed			
	1990	1991	1992	% Change	1990	1991	1992	% Change
NWT Highways	77	132	124	-6.1	4	3	5	66.7
Rural	2	0	1	-	0	0	0	-
Communities	120	114	135	18.4	5	0	1	-
Total	**199**	**246**	**260**	**5.7**	**9**	**3**	**6**	**100.0**

Trends in Property Damage Collisions

Figure 1.4

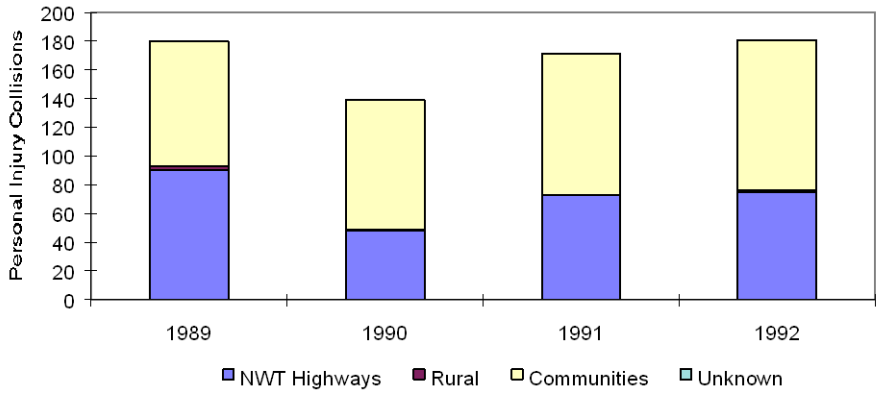


3 Year Summary

	Property Damage Collisions			
	1990	1991	1992	% Change
NWT Highways	126	138	127	-8.0
Rural	12	4	4	0.0
Communities	537	570	548	-3.9
Total	**675**	**712**	**679**	**-4.6**

Trends in Personal Injury Collisions

Figure 1.5

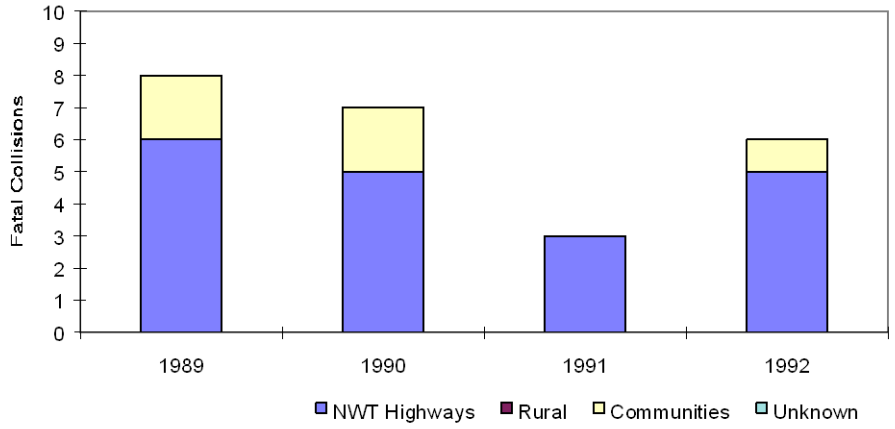


3 Year Summary

	Personal Injury Collisions			
	1990	1991	1992	% Change
NWT Highways	44	76	75	-1.3
Rural	2	0	1	-
Communities	93	95	105	10.5
Total	**139**	**171**	**181**	**5.8**

Trends in Fatal Collisions

Figure 1.6

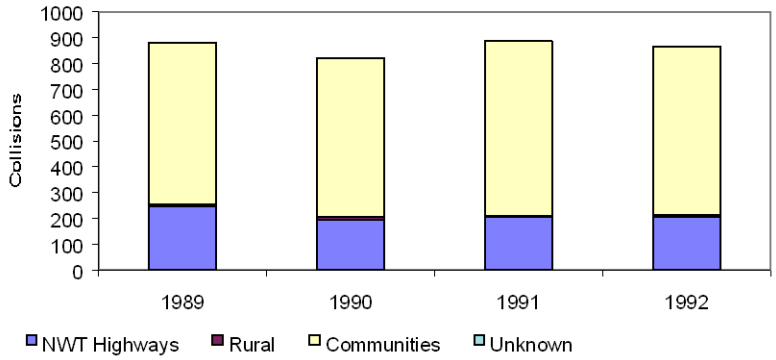


3 Year Summary

	Fatal Collisions			
	1990	1991	1992	% Change
NWT Highways	4	3	5	66.7
Rural	0	0	0	-
Communities	3	0	1	-
Total	**7**	**3**	**6**	**100.0**

Trends in All Reported Collisions

Figure 1.7



3 Year Summary

	1990	1991	1992	% Change
NWT Highways	174	217	207	-4.6
Rural	14	4	5	25.0
Communities	633	665	654	-1.7
Total	**821**	**886**	**866**	**-2.3**

Property Damage Collisions by Month and Year

Figure 1.8

Month	1989	1990	1991	Avg. 89 to 91	1992	% Change*
January	66	63	86	72	74	3.3
February	66	66	72	68	68	0.0
March	65	68	72	68	68	-0.5
April	51	30	48	43	59	37.2
May	39	29	31	33	45	36.4
June	39	44	57	47	35	-25.0
July	47	51	57	52	48	-7.1
August	47	54	42	48	51	7.0
September	41	46	49	45	48	5.9
October	76	69	65	70	65	-7.1
November	84	71	59	71	64	-10.3
December	70	84	74	76	54	-28.9
Total	**691**	**675**	**712**	**693**	**679**	**-2.0**

* % change is a comparison between 1992 and the 1989-91 average.

Personal Injury Collisions by Month and Year

Figure 1.9

Month	1989	1990	1991	Avg. 89 to 91	1992	% Change*
January	13	8	15	12	19	58.3
February	17	8	13	13	12	-5.3
March	14	15	17	15	12	-21.7
April	3	6	5	5	9	92.9
May	11	5	16	11	12	12.5
June	12	20	24	19	18	-3.6
July	26	20	23	23	15	-34.8
August	17	14	16	16	18	14.9
September	16	8	13	12	19	54.1
October	18	15	14	16	16	2.1
November	19	7	5	10	13	25.8
December	14	13	10	12	18	45.9
Total	**180**	**139**	**171**	**163**	**181**	**10.8**

Fatal Collisions by Month and Year

Figure 1.10

Month	1989	1990	1991	Avg. 89 to 91	1992	% Change*
January	0	1	0	0.3	0	-100.0
February	0	0	0	0.0	0	-
March	0	0	0	0.0	0	-
April	1	1	0	0.7	1	50.0
May	1	0	0	0.3	0	-100.0
June	3	0	2	1.7	3	80.0
July	1	2	0	1.0	0	-100.0
August	0	0	1	0.3	0	-100.0
September	0	0	0	0.0	0	-
October	0	2	0	0.7	1	50.0
November	1	0	0	0.3	1	200.0
December	1	1	0	0.7	0	-100.0
Total	**8**	**7**	**3**	**6.0**	**6**	**0.0**

* % change is a comparison between 1992 and the 1989-91 average.

Total Collisions by Month and Year Figure 1.11

Month	1989	1990	1991	Avg. 89 to 91	1992	% Change*
January	79	72	101	84	93	10.7
February	83	74	85	81	80	-0.8
March	79	83	89	84	80	-4.4
April	55	37	53	48	69	42.8
May	51	34	47	44	57	29.5
June	54	64	83	67	56	-16.4
July	74	73	80	76	63	-16.7
August	64	68	59	64	69	8.4
September	57	54	62	58	67	16.2
October	94	86	79	86	82	-5.0
November	104	78	64	82	78	-4.9
December	85	98	84	89	72	-19.1
Total	**879**	**821**	**886**	**862**	**866**	**0.5**

* % change is a comparison between 1992 and the 1989-91 average.

Collisions by Month of Occurrence

Figure 2.1

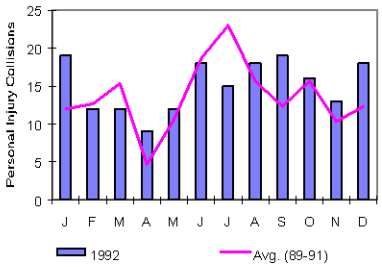


Figure 2.2

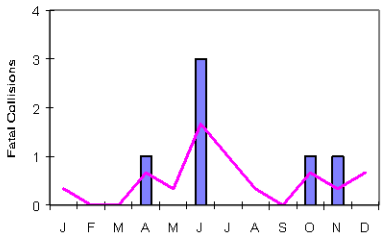
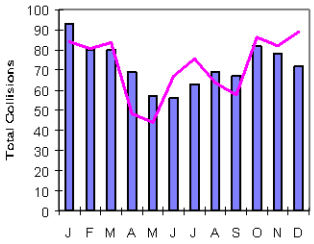


Figure 2.3



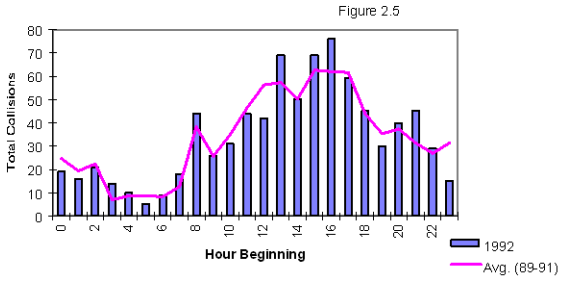
Collisions & Victims by Month of Occurrence

Figure 2.4

	Number of Collisions				Number of Victims	
Month	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	74	19	0	93	22	0
February	68	12	0	80	14	0
March	68	12	0	80	18	0
April	59	9	1	69	13	1
May	45	12	0	57	18	0
June	35	18	3	56	31	3
July	48	15	0	63	18	0
August	51	18	0	69	28	0
September	48	19	0	67	26	0
October	65	16	1	82	25	1
November	64	13	1	78	19	1
December	54	18	0	72	28	0
Total	**679**	**181**	**6**	**866**	**260**	**6**

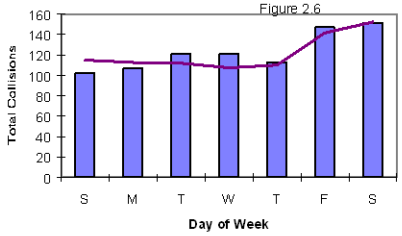
Total Collisions by Time of Day

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.	5	1	2	2	4	1	4	19	2.2
1 to 2 a.m.	3	1	2	2	1	2	5	16	1.9
2 to 3 a.m.	4	0	3	4	1	2	7	21	2.4
3 to 4 a.m.	2	1	0	4	0	3	4	14	1.6
4 to 5 a.m.	0	0	0	1	1	1	7	10	1.2
5 to 6 a.m.	1	0	1	0	0	1	2	5	0.6
6 to 7 a.m.	1	0	2	2	0	2	2	9	1.0
7 to 8 a.m.	2	4	2	1	3	4	2	18	2.1
8 to 9 a.m.	0	5	16	4	9	7	3	44	5.1
9 to 10 a.m.	1	5	5	3	2	3	7	26	3.0
10 to 11 a.m.	3	4	5	5	5	3	6	31	3.6
11 to 12 a.m.	4	6	8	5	6	7	8	44	5.1
12 to 1 p.m.	2	3	4	10	5	9	8	41	4.8
1 to 2 p.m.	7	5	9	15	11	5	17	69	8.0
2 to 3 p.m.	3	8	10	8	5	7	9	50	5.8
3 to 4 p.m.	11	7	7	15	10	6	13	69	8.0
4 to 5 p.m.	10	14	10	8	7	16	11	76	8.8
5 to 6 p.m.	10	6	6	5	3	19	10	59	6.8
6 to 7 p.m.	4	10	5	8	8	6	4	45	5.2
7 to 8 p.m.	3	2	6	4	3	7	5	30	3.5
8 to 9 p.m.	9	8	1	6	7	7	2	40	4.6
9 to 10 p.m.	6	7	5	2	12	8	5	45	5.2
10 to 11 p.m.	4	1	3	5	5	8	3	29	3.4
11 to 12 p.m.	2	2	1	0	1	5	4	15	1.7
Not Stated	5	7	8	2	4	8	3	37	4.3
Total	102	107	121	121	113	147	151	862	
%	11.8	12.4	14.0	14.0	13.1	17.1	17.5	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	0.3
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	24	15	1	40	4.6
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0	0.0
Other Driver Condition	0	0	0	0	0.0
Total	**26**	**16**	**1**	**43**	**5.0**

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	28	11	0	39	4.5
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	57	23	0	80	9.2
Improper Turning or Passing	21	9	0	30	3.5
Failed to Yield Right-of-Way	60	13	1	74	8.5
Disobeyed Traffic Control/Officer	6	2	0	8	0.9
Driving on Wrong Side of Road	13	3	0	16	1.8
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	115	5	0	120	13.9
Lost Control	140	63	3	206	23.8
Other Driver Action	0	0	0	0	0.0
Total	**440**	**129**	**4**	**573**	**66.2**

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	3	0	0	3	0.3
Defective Steering	2	0	0	2	0.2
Defective Lights	0	0	0	0	0.0
Tire Blown Out	2	1	0	3	0.3
Unsecured Load, Spilled Load	2	0	0	2	0.2
Oversized Load, Overload	0	0	0	0	0.0
Visibility Obstructed	1	0	0	1	0.1
Other Vehicle Contributing Factor	18	1	0	19	2.2
Total	**28**	**2**	**0**	**30**	**3.5**

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	3	0	14	1.6
Road Surface or Condition	30	11	0	41	4.7
Obstruction/Debris on Road	4	0	0	4	0.5
View Obstructed, Glare, Reflection	1	0	0	1	0.1
Weather or Other Acts of God	24	5	0	29	3.3
Other Environmental Factor	0	0	0	0	0.0
Total	70	19	0	89	10.3

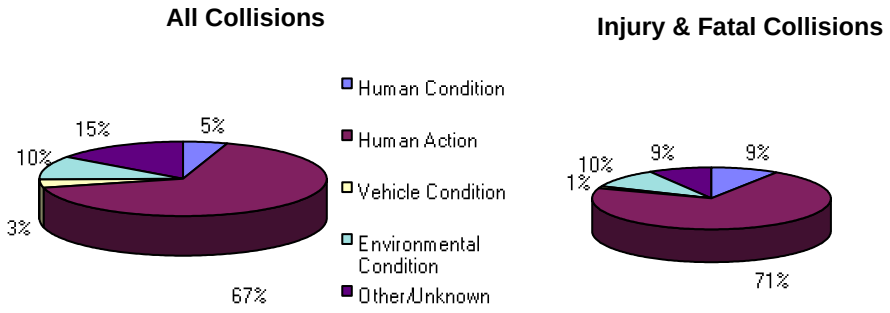
Collisions by Severity Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.5

Factor	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Unspecified	19	15	1	35	4.0
Unknown	96	0	0	96	11.1
Total	115	15	1	131	15.1
Total All Factors	679	181	6	866	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	0.3
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	7	33	0	40	4.6
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0	0.0
Other Driver Condition	0	0	0	0	0.0
Total	**10**	**33**	**0**	**43**	**5.0**

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	1	38	0	39	4.5
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	24	55	1	80	9.2
Improper Turning or Passing	6	24	0	30	3.5
Failed to Yield Right-of-Way	4	70	0	74	8.5
Disobeyed Traffic Control/Officer	2	6	0	8	0.9
Driving on Wrong Side of Road	6	10	0	16	1.8
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	120	0	120	13.9
Lost Control	107	98	1	206	23.8
Other Driver Action	0	0	0	0	0.0
Total	**150**	**421**	**2**	**573**	**66.2**

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	1	2	0	3	0.3
Defective Steering	1	1	0	2	0.2
Defective Lights	0	0	0	0	0.0
Tire Blown Out	3	0	0	3	0.3
Unsecured Load, Spilled Load	1	1	0	2	0.2
Oversized Load, Overload	0	0	0	0	0.0
Visibility Obstructed	0	1	0	1	0.1
Other Vehicle Contributing Factor	3	15	1	19	2.2
Total	**9**	**20**	**1**	**30**	**3.5**

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	14	0	0	14	1.6
Road Surface or Condition	17	23	1	41	4.7
Obstruction/Debris on Road	1	3	0	4	0.5
View Obstructed, Glare, Reflection	1	0	0	1	0.1
Weather or Other Acts of God	3	26	0	29	3.3
Other Environmental Factor	0	0	0	0	0.0
Total	**36**	**52**	**1**	**89**	**10.3**

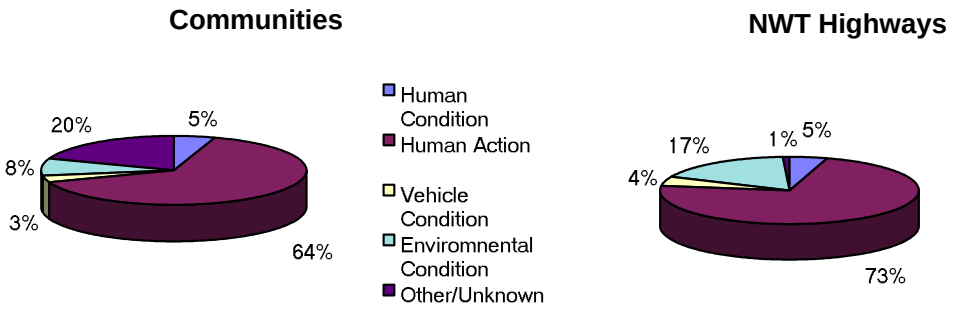
Collisions by Road System Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.11

Factor	NWT Highways	In Communities	Rural	Total	% of Total Factors
Unspecified	2	33	0	35	4.0
Unknown	0	95	1	96	11.1
Total	**2**	**128**	**1**	**131**	**15.1**
Total All Factors	**207**	**654**	**5**	**866**	**100.0**

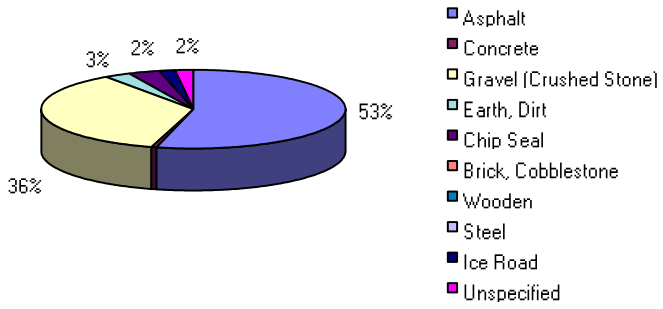
Major Contributing Factors in Collisions - Communities and NWT Highways

Figure 3.12



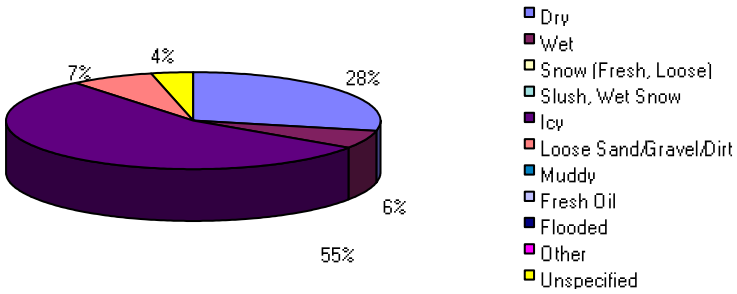
Collisions by Road Surface Type and Severity Figure 4.1

Road Surface Type	Property Damage	Personal Injury	Fatal	Total	%
Asphalt	391	76	0	467	53.9
Concrete	5	0	0	5	0.6
Gravel (Crushed Stone)	217	87	6	310	35.8
Earth, Dirt	19	6	0	25	2.9
Chip Seal	20	7	0	27	3.1
Brick, Cobblestone	0	0	0	0	0.0
Wooden	0	0	0	0	0.0
Steel	0	0	0	0	0.0
Ice Road	9	5	0	14	1.6
Unspecified	18	0	0	18	2.1
Total	679	181	6	866	100.0



Collisions by Road Surface Environmental Condition and Severity Figure 4.2

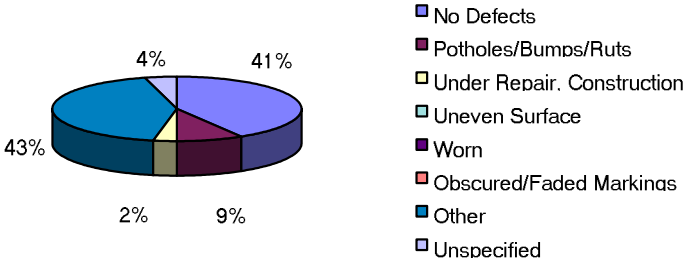
Surface Condition	Property Damage	Personal Injury	Fatal	Total	%
Dry	178	63	5	246	28.4
Wet	43	9	0	52	6.0
Snow (Fresh, Loose)	0	0	0	0	0.0
Slush, Wet Snow	0	0	0	0	0.0
Icy	389	84	1	474	54.7
Loose Sand/Gravel/Dirt	37	25	0	62	7.2
Muddy	0	0	0	0	0.0
Fresh Oil	1	0	0	1	0.1
Flooded	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unspecified	31	0	0	31	3.6
Total	679	181	6	866	100



Collisions by Road Defect and Severity

Figure 4.3

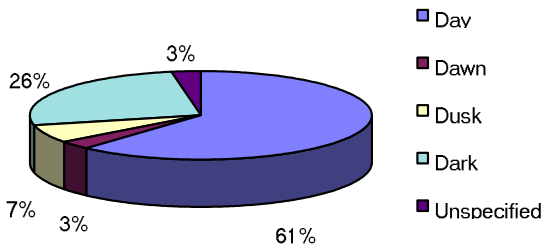
Road Defect	Property Damage	Personal Injury	Fatal	Total	%
No Defects	282	73	3	358	41.3
Potholes/Bumps/Ruts	50	25	1	76	8.8
Under Repair, Construction	17	9	0	26	3.0
Uneven Pavement Surface	0	0	0	0	0.0
Worn	0	0	0	0	0.0
Obscured or Faded Markings	0	0	0	0	0.0
Other	296	73	2	371	42.8
Unspecified	34	1	0	35	4.0
Total	**679**	**181**	**6**	**866**	100.0



Collisions by Light Condition and Severity

Figure 4.4

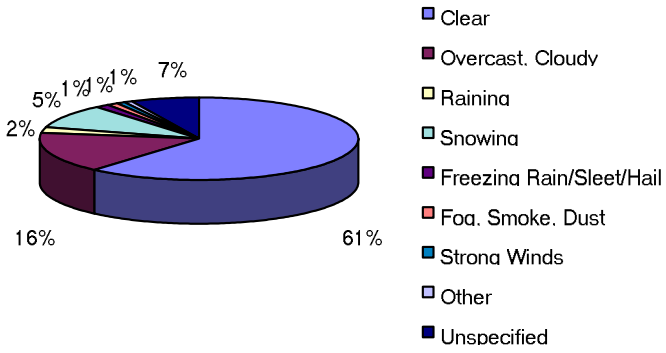
Light Condition	Property Damage	Personal Injury	Fatal	Total	%
Day	429	101	5	535	61.8
Dawn	19	7	0	26	3.0
Dusk	42	16	0	58	6.7
Dark	164	57	1	222	25.6
Unspecified	25	0	0	25	2.9
Total	**679**	**181**	**6**	**866**	100.0



Collisions by Weather Condition and Severity

Figure 4.5

Weather Condition	Property Damage	Personal Injury	Fatal	Total	%
Clear (Sunny)	419	110	3	532	61.4
Overcast, Cloudy (No Precipitation)	98	37	2	137	15.8
Raining	16	4	0	20	2.3
Snowing	66	14	1	81	9.4
Freezing Rain/Sleet/Hail	7	4	0	11	1.3
Visibility Limitations (fog, dust, etc.)	7	4	0	11	1.3
Strong Winds	5	2	0	7	0.8
Other	2	4	0	6	0.7
Unspecified	59	2	0	61	7.0
Total	**679**	**181**	**6**	**866**	100.0

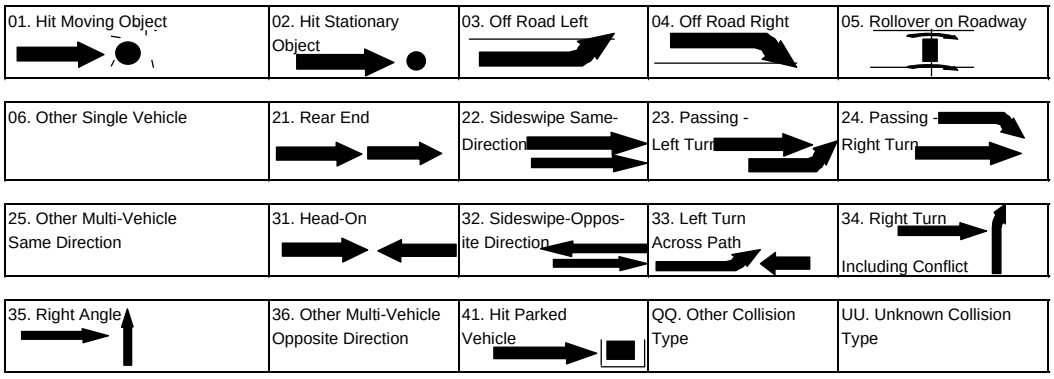


Collisions by Configuration and Severity

Figure 4.6

Configuration*	Property Damage	Personal Injury	Fatal	Total	% of Total
01. Hit Moving Object					
a) With Animal	9	2	0	11	1.3
b) With Pedestrian	0	22	2	24	2.8
c) Other	0	0	0	0	0.0
02. Hit Stationary Object	70	13	0	83	11.1
03. Off Road Left					
a) With Rollover	16	26	1	43	5.0
b) No Rollover	8	4	0	12	1.4
04. Off Road Right					
a) With Rollover	32	24	2	58	6.7
b) No Rollover	28	13	0	41	4.7
05. Rollover on Roadway	3	6	0	9	1.0
06. Other Single Vehicle	5	2	0	7	0.8
21. Rear End	94	24	0	118	13.6
22. Sideswipe - Same Direction	5	2	0	7	0.8
23. Passing - Left Turn	3	2	0	5	0.6
24. Passing - Right Turn	4	0	0	4	0.5
25. Other Multi-Vehicle Same Direction	1	2	0	3	0.3
31. Head-On	10	4	1	15	1.7
32. Sideswipe - Opposite Direction	29	5	0	34	3.9
33. Left Turn Across Path	10	1	0	11	1.3
34. Right Turn Including Conflict	3	0	0	3	0.3
35. Right Angle	95	20	0	115	13.3
36. Other Multi-Vehicle Opposite Direction	24	2	0	26	3.0
41. Hit Parked Vehicle	227	7	0	234	27.0
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	3	0	0	3	0.3
Total	679	181	6	866	100.0

***Collision Configurations**

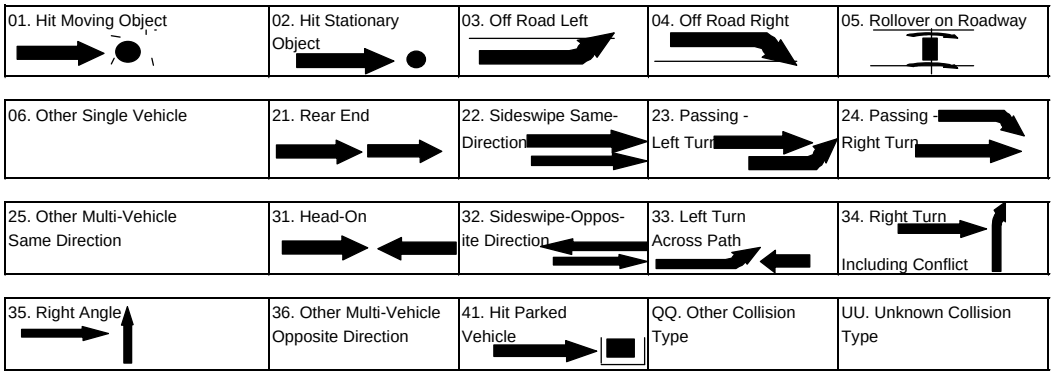


Collisions by Configuration and Road System

Figure 4.7

Configuration*	NWT Highways	In Communities	Rural	Total	% of Total
01. Hit Moving Object					
a) With Animal	11	0	0	11	1.3
b) With Pedestrian	3	21	0	24	2.8
c) Other	0	0	0	0	0.0
02. Hit Stationary Object	19	62	2	83	9.6
03. Off Road Left					
a) With Rollover	39	4	0	43	5.0
b) No Rollover	8	4	0	12	1.4
04. Off Road Right					
a) With Rollover	53	5	0	58	6.7
b) No Rollover	32	9	0	41	4.7
05. Rollover on Roadway	7	2	0	9	1.0
06. Other Single Vehicle	3	4	0	7	0.8
21. Rear End	7	111	0	118	13.6
22. Sideswipe - Same Direction	0	7	0	7	0.8
23. Passing - Left Turn	1	4	0	5	0.6
24. Passing - Right Turn	2	2	0	4	0.5
25. Other Multi-Vehicle Same Direction	2	1	0	3	0.3
31. Head-On	5	10	0	15	1.7
32. Sideswipe - Opposite Direction	9	24	1	34	3.9
33. Left Turn Across Path	0	11	0	11	1.3
34. Right Turn Including Conflict	0	3	0	3	0.3
35. Right Angle	2	113	0	115	13.3
36. Other Multi-Vehicle Opposite Direction	0	26	0	26	3.0
41. Hit Parked Vehicle	4	228	2	234	27.0
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	3	0	3	0.3
Total	207	654	5	866	100.0

***Collision Configurations**



Collisions by Collision Site and Severity

Figure 4.8

Collision Site	Property Damage	Personal Injury	Fatal	Total	%
Non-Intersection	234	116	5	355	41.0
Intersection - Two Public Roadways	164	37	0	201	23.2
Intersection - Parking Lot, Driveway	123	21	1	145	16.7
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	2	2	0	4	0.5
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	3	1	0	4	0.5
Other	135	4	0	139	16.1
Unknown	18	0	0	18	2.1
Total	**679**	**181**	**6**	**866**	**100.0**

Collisions by Collision Site and Road System

Figure 4.9

Collision Site	NWT Highways	In Communities	Rural	Total	%
Non-Intersection	191	161	3	355	41.0
Intersection - Two Public Roadways	9	192	0	201	23.2
Intersection - Parking Lot, Driveway	4	140	1	145	16.7
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	3	1	0	4	0.5
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	0	4	0	4	0.5
Other	0	138	1	139	16.1
Unknown	0	18	0	18	2.1
Total	**207**	**654**	**5**	**866**	**100.0**

Collisions by Roadway Alignment and Severity

Figure 4.10

Road Alignment	Property Damage	Personal Injury	Fatal	Total	%
Straight & Level	448	116	4	568	65.6
Straight with Grade	74	18	0	92	10.6
Curved and Level	77	27	1	105	12.1
Curve with Grade	37	11	1	49	5.7
Top of Hill or Grade	19	8	0	27	3.1
Bottom of Hill or Grade	0	0	0	0	0.0
Other	4	1	0	5	0.6
Unknown	20	0	0	20	2.3
Total	**679**	**181**	**6**	**866**	**100.0**

Collisions by Roadway Type and Severity

Figure 4.11

Road Type	Property Damage	Personal Injury	Fatal	Total	%
One-Way, Two Lane	6	0	0	6	0.7
One-Way, Multi Lane	0	0	0	0	0.0
Undivided, Two-Way, Two Lane	490	168	6	664	76.7
Undivided, Two-Way, Multi Lane	0	0	0	0	0.0
Divided, Barrier Median	16	2	0	18	2.1
Divided with Median, No Barrier	0	0	0	0	0.0
Divided, Divider Unspecified	13	5	0	18	2.1
Other	136	6	0	142	16.4
Unknown	18	0	0	18	2.1
Total	**679**	**181**	**6**	**866**	**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	4	0	0	4	0.5
Hit Building	6	0	0	6	0.7
Hit Ditch	1	0	0	1	0.1
Hit Embankment, Dirt Pile, Rock	7	2	0	9	1.0
Hit Culvert End, Drainage Structure	1	0	0	1	0.1
Hit Tree. Bush, Hedge	5	2	0	7	0.8
Hit Utility Pole, Lamp Pole	25	7	0	32	3.7
Hit Curb	3	0	0	3	0.3
Hit Post	6	0	0	6	0.7
Hit Traffic Barrier	9	2	0	11	1.3
Hit Fixed Object Part of Road Structure	2	0	0	2	0.2
Hit Fixed Object NOT Part of Road Structure	1	0	0	1	0.1
Hit Other Type Fixed Object	0	0	0	0	0.0
Sub Total Fixed Objects	**70**	**13**	**0**	**83**	**9.6**
Moveable Objects					
Another Road Vehicle	505	69	1	575	66.4
Animal	9	2	0	11	1.3
Pedestrian	0	22	2	24	2.8
Other Moveable Object	0	0	0	0	0.0
Sub Total Moveable Objects	**514**	**93**	**3**	**610**	**70.4**
Non-Collision Events					
Ran Off Road	36	17	0	53	6.1
Rollover	51	56	3	110	12.7
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	4	0	0	4	0.5
Load Spill	0	0	0	0	0.0
Load Shift	1	0	0	1	0.1
Submersion	0	0	0	0	0.0
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	**92**	**73**	**3**	**168**	19.4
Other/Unknown Event	3	2	0	5	0.6
Grand Total	**679**	**181**	**6**	**866**	**100.0**

Collision Sequence of Events by Road System

Figure 4.13

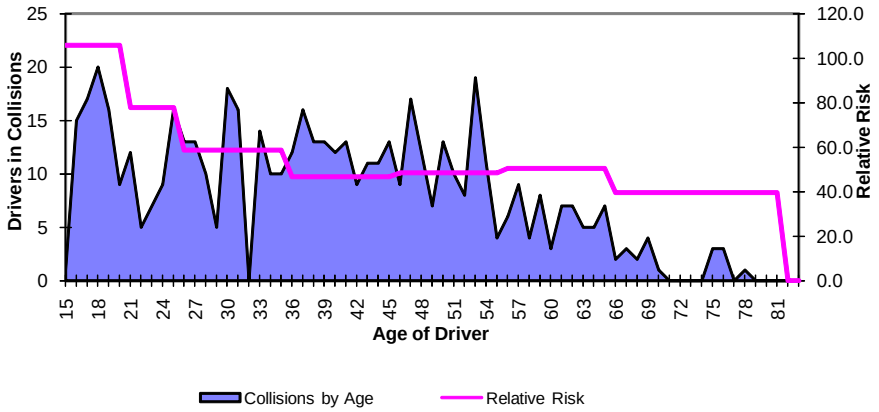
Non-Moving Objects	NWT Highways	In Communities	Rural	Total	%
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	0	4	0	4	0.5
Hit Building	0	6	0	6	0.7
Hit Ditch	1	0	0	1	0.1
Hit Embankment, Dirt Pile, Rock	7	1	1	9	1.0
Hit Culvert End, Drainage Structure	0	1	0	1	0.1
Hit Tree. Bush, Hedge	3	3	1	7	0.8
Hit Utility Pole, Lamp Pole	2	30	0	32	3.7
Hit Curb	0	3	0	3	0.3
Hit Post	1	5	0	6	0.7
Hit Traffic Barrier	3	8	0	11	1.3
Hit Fixed Object Part of Road Structure	2	0	0	2	0.2
Hit Fixed Object NOT Part of Road Structure	0	1	0	1	0.1
Hit Other Type Fixed Object	0	0	0	0	0.0
Sub Total Fixed Objects	**19**	**62**	**2**	**83**	**9.6**
Moveable Objects					
Another Road Vehicle	32	540	3	575	66.4
Animal	11	0	0	11	1.3
Pedestrian	3	21	0	24	2.8
Other Moveable Object	0	0	0	0	0.0
Sub Total Moveable Objects	**46**	**561**	**3**	**610**	**70.4**
Non-Collision Events					
Ran Off Road	40	13	0	53	6.1
Rollover	99	11	0	110	12.7
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	3	1	0	4	0.5
Load Spill	0	0	0	0	0.0
Load Shift	0	1	0	1	0.1
Submersion	0	0	0	0	0.0
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	**142**	**26**	**0**	**168**	19.4
Unknown Event	**0**	**5**	**0**	**5**	0.6
Grand Total	**207**	**654**	**5**	**866**	**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	135	1,084	2,093	6,196	5,386	2,659	992	304	0	18,849
Drivers in Collisions	21	108	163	363	251	129	50	12	129	1,226

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	74.7	59.2	44.2	36.6	40.6	38.3	29.6	51.3
Personal Injury & Fatal	31.2	18.6	14.4	10.0	7.9	12.1	9.9	13.7
Total	**105.8**	**77.9**	**58.6**	**46.6**	**48.5**	**50.4**	**39.5**	**65.0**
Relative Risk*	**1.6**	**1.2**	**0.9**	**0.7**	**0.7**	**0.8**	**0.6**	**1.0**

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

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

Figure 5.1 shows that the relative risk of drivers between the ages of 15 and 19 are 1.6 times more likely to be involved in a collision than the average driving population. On average, 11% of 15 to 19 year olds were involved in collisions, compared to 5% 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	1	3	0	1	8	7	1	21
16	0	0	0	0	19	0	2	0	3	0	24
17	0	0	0	0	21	0	4	0	2	0	27
18	1	0	0	0	20	0	0	2	0	3	26
19	0	0	2	0	23	0	0	2	4	0	31
20	1	0	0	0	20	0	0	0	1	0	22
21-24	6	1	2	11	98	0	2	8	11	2	141
25-34	26	2	10	29	259	0	3	7	21	6	363
35-44	31	3	16	26	161	0	0	4	5	5	251
45-54	18	1	10	13	77	0	0	5	2	3	129
55-64	3	1	4	5	33	0	1	0	0	3	50
65 and over	1	0	1	1	9	0	0	0	0	0	12
Not Stated	1	0	1	1	4	0	0	1	1	120	129
Drivers in Collisions	**88**	**8**	**46**	**87**	**747**	**0**	**13**	**37**	**57**	**143**	**1,226**
Total Licensed Drivers	**1,042**	**185**	**659**	**793**	**15,298**	**6**	**866**	**N/A**	**N/A**	**N/A**	**18,849**
Relative Risk*	**1.30**	**0.66**	**1.07**	**1.69**	**0.75**	**0.00**	**0.23**	**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	20	21	23	20	23	20	112	303	216	115	45	10	5	933	76.1
Fatigued, Fell Asleep	0	1	0	0	0	1	0	1	1	0	0	0	0	4	0.3
Inexperience	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Under Influence - Alcohol	0	2	1	4	6	0	20	36	13	6	2	0	2	92	7.5
Under Influence - Drugs	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0.2
Sudden Illness, Lost Consciousness	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0.2
Other Condition	0	0	0	1	1	0	1	0	1	0	0	0	1	5	0.4
Unknown	1	0	3	1	1	1	8	20	20	8	3	1	121	188	15.3
Total	**21**	**24**	**27**	**26**	**31**	**22**	**141**	**363**	**251**	**129**	**50**	**12**	**129**	**1,226**	
%	1.7	2.0	2.2	2.1	2.5	1.8	11.5	29.6	20.5	10.5	4.1	1.0	10.5		**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	3	3	10	7	10	6	41	121	95	51	14	5	4	370	30.3
Following Too Closely	1	4	1	5	0	1	7	16	7	4	2	0	2	50	4.1
Distracted, Inattentive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Driving Too Fast	1	6	4	2	4	2	16	36	18	7	1	0	2	99	8.1
Improper Turning or Passing	2	1	2	0	2	0	2	8	11	2	3	0	2	35	2.9
Failing to Yield Right of Way	4	1	2	3	1	3	8	24	16	8	6	3	0	79	6.5
Disobeying Traffic Control/Officer	1	1	0	0	0	0	1	4	0	1	2	0	0	10	0.8
Driving on Wrong Side of Road	0	0	0	1	1	1	3	12	6	1	1	0	2	28	2.3
Driving in Wrong Direction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Backing Unsafely	3	1	3	2	7	1	16	31	30	22	7	0	10	133	10.9
Lost Control	4	6	5	5	6	7	41	104	57	30	11	3	10	289	23.7
Other Driver Action	2	1	0	0	0	1	4	5	7	1	3	1	0	25	2.0
Unknown	0	0	0	1	0	0	1	0	2	1	0	0	97	102	8.4
Total	21	24	27	26	31	22	140	361	249	128	50	12	129	1,220	
%	1.7	2.0	2.2	2.1	2.5	1.8	11.5	29.6	20.4	10.5	4.1	1.0	10.6		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	438	80	2	520	35.7
Passenger Van	118	21	0	139	9.5
Light Utility Vehicle	0	0	0	0	0.0
Pickup Truck	488	103	4	595	40.8
Panel/Cargo Van	0	0	0	0	0.0
Other Truck/Van <= 4536 kg	0	0	0	0	0.0
Unit Truck > 4536 kg	18	6	0	24	1.6
Road Tractor	18	1	1	20	1.4
School Bus	1	1	0	2	0.1
Small School Bus	0	0	0	0	0.0
Urban Transit Bus	0	0	0	0	0.0
Intercity Bus	0	0	0	0	0.0
Bus - Unspecified	3	0	0	3	0.2
Motorcycle	2	5	0	7	0.5
Limited Speed Motorcycle	0	0	0	0	0.0
Off Road Vehicles (ATV)	0	6	0	6	0.4
Bicycle	0	7	0	7	0.5
Motor Home	0	0	0	0	0.0
Farm Equipment	0	0	0	0	0.0
Construction Equipment	6	2	0	8	0.5
Fire Engine	0	0	0	0	0.0
Snowmobile	7	21	0	28	1.9
Streetcar	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	99	0	0	99	6.8
Total	**1198**	**253**	**7**	**1458**	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	984	221	6	1211	83.1
Defective Brakes	4	0	0	4	0.3
Defective Steering	1	0	0	1	0.1
Defective Lighting	2	2	0	4	0.3
Tire Blown Out	5	5	0	10	0.7
Unsecured Load, Spilled Load	2	1	0	3	0.2
Oversized Load, Overload	1	0	0	1	0.1
Visibility Obstructed	6	0	0	6	0.4
Other Defective Vehicular Parts	25	3	0	28	1.9
Other Vehicular Factor	0	0	0	0	0.0
Unknown	168	21	1	190	13.0
Total	**1198**	**253**	**7**	**1458**	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	477	177	7	661	45.3
Turning Left	75	17	0	92	6.3
Turning Right	39	8	0	47	3.2
Making U-Turn	4	1	0	5	0.3
Changing Lanes	7	2	0	9	0.6
Merging	2	0	0	2	0.1
Reversing	137	8	0	145	9.9
Overtaking	7	7	0	14	1.0
Negotiating Curve	0	0	0	0	0.0
Slowing or Stopped in Traffic	92	22	0	114	7.8
Starting in Traffic	3	0	0	3	0.2
Leaving Roadside	7	1	0	8	0.5
Stopped/Parked Legally	226	8	0	234	16.0
Stopped/Parked Illegally	9	0	0	9	0.6
Swerving to Avoid Collision	9	2	0	11	0.8
Run-away or Roll-away Vehicle	11	0	0	11	0.8
Unspecified Manoeuvre	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	93	0	0	93	6.4
Total	**1198**	**253**	**7**	**1458**	100.0

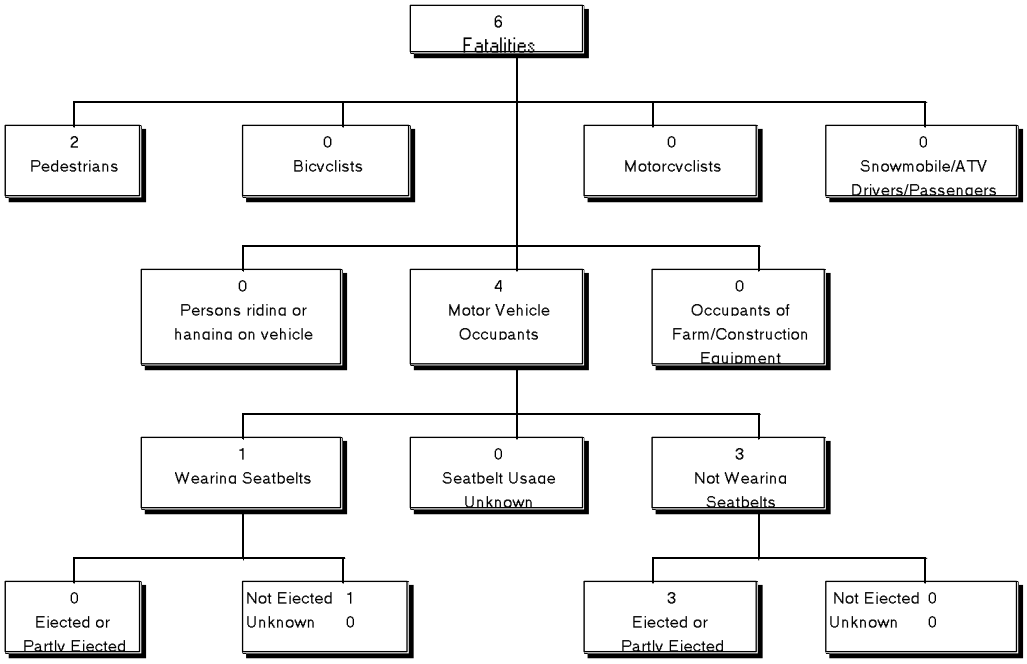
Number of Vehicles in Collisions by Vehicle Year and Severity

Figure 6.4

Model Year	Property Damage	Personal Injury	Fatal	Total	%
1993	2	0	0	2	0.1
1992	55	15	1	71	4.9
1991	144	26	0	170	11.7
1990	127	28	2	157	10.8
1989	129	25	0	154	10.6
1988	104	29	0	133	9.1
1987	77	11	1	89	6.1
1986	79	10	1	90	6.2
1985	68	14	0	82	5.6
1984	47	13	1	61	4.2
1983	36	12	0	48	3.3
1982	34	8	0	42	2.9
1981 & Older	176	48	1	225	15.4
Unspecified	120	14	0	134	9.2
Total	**1198**	**253**	**7**	**1458**	100.0

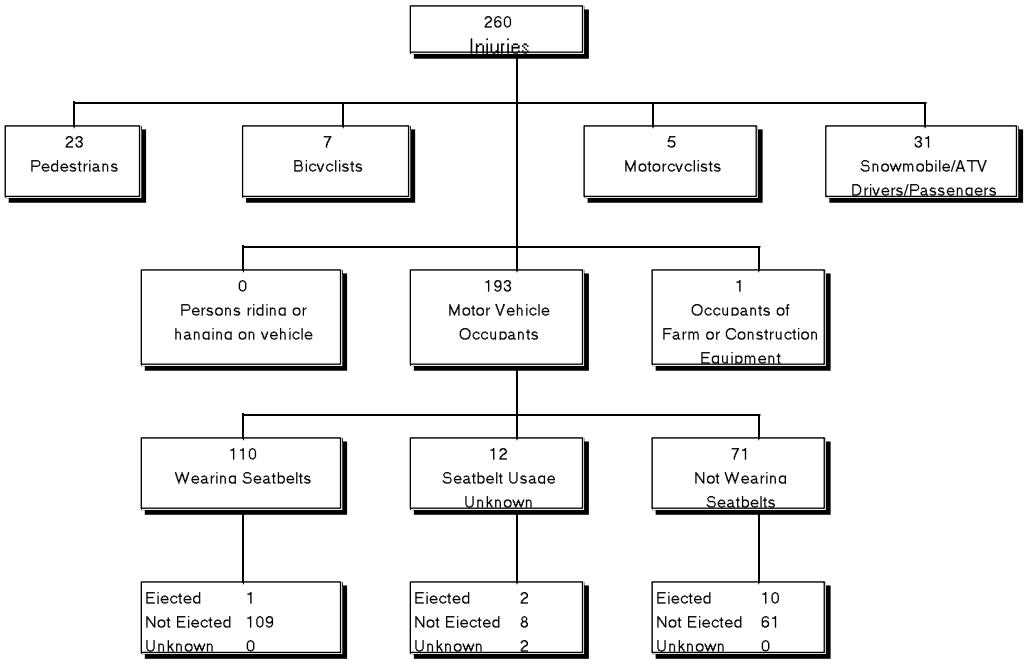
Fatalities Classification
(January 1 to December 31, 1992)

Figure 7.1



Injuries Classification
(January 1 to December 31, 1992)

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	1	9	15	43	21	6	10	1	1	107	41.2
Motor Vehicle Passenger	4	4	9	10	22	5	6	4	2	20	86	33.1
Pedestrian	1	5	2	2	3	0	1	2	3	4	23	8.8
Bicyclist	1	4	0	0	0	1	1	0	0	0	7	2.7
Motorcyclist (includes passengers	0	0	0	0	2	1	1	0	1	0	5	1.9
ATV Operators & Passengers	0	2	1	1	0	1	0	0	0	0	5	1.9
Snowmobile Operators & Passengers	0	4	7	6	4	1	3	0	0	1	26	10.0
Farm/Construction Equipment	0	0	0	0	0	1	0	0	0	0	1	0.4
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	6	20	28	34	74	31	18	16	7	26	260	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	1	0	0	2	33.3
Motor Vehicle Passenger	0	0	0	0	1	0	0	1	0	0	2	33.3
Pedestrian	0	1	1	0	0	0	0	0	0	0	2	33.3
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0.0
Motorcyclist (includes passengers	0	0	0	0	0	0	0	0	0	0	0	0.0
ATV Operators & Passengers	0	0	0	0	0	0	0	0	0	0	0	0.0
Snowmobile Operators & Passengers	0	0	0	0	0	0	0	0	0	0	0	0.0
Farm/Construction Equipment	0	0	0	0	0	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0	0	0	0	0	0.0
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	0	1	1	0	1	1	0	2	0	0	6	100.0

Persons Injured or Killed by Road User Class and Gender

Figure 7.5

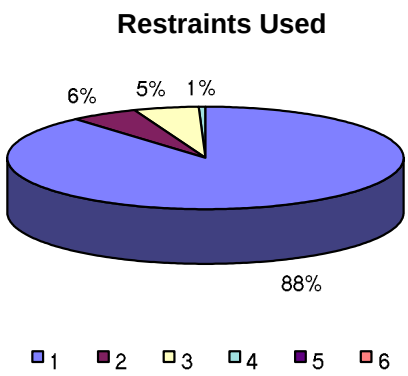
	Persons Injured				Person Killed			
Road User Class	Male	Female	Unknown	Total	Male	Female	Unknown	Total
Motor Vehicle Driver	69	38	0	107	1	1	0	2
Motor Vehicle Passenger	49	36	1	86	1	1	0	2
Pedestrian	15	8	0	23	0	2	0	2
Bicyclist	6	1	0	7	0	0	0	0
Motorcyclist (includes passengers)	5	0	0	5	0	0	0	0
ATV Operators & Passengers	4	1	0	5	0	0	0	0
Snowmobile Operators & Passengers	15	11	0	26	0	0	0	0
Farm/Construction Equipment	1	0	0	1	0	0	0	0
Other	0	0	0	0	0	0	0	0
Unspecified	0	0	0	0	0	0	0	0
Total	164	95	1	260	2	4	0	6

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	261	72	782	0	393	**1508**	88.4
Minimal Injuries	36	5	51	0	3	**95**	5.6
Minor Injuries	26	5	44	0	7	**82**	4.8
Major (Hospital Admission)	9	0	5	0	2	**16**	0.9
Fatal	3	0	1	0	0	**4**	0.2
Injured - Extent Unknown	0	0	0	0	0	**0**	0.0
Total	**335**	**82**	**883**	**0**	**405**	**1705**	100.0

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



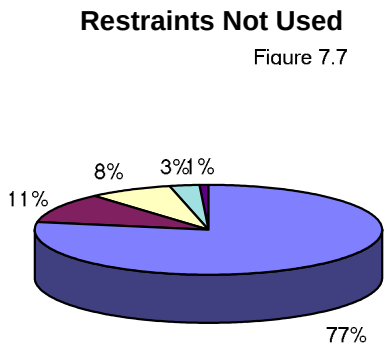


Figure 7.7

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	18	40	100	125	254	173	85	26	10	23	854
Minimal Injuries	1	2	4	6	20	5	7	5	0	6	56
Minor Injuries	1	1	2	7	15	11	2	3	2	5	49
Major (Hospital Admission)	0	0	0	0	2	0	1	1	0	1	5
Fatal	0	0	0	0	0	0	0	1	0	0	1
Injured - Extent Unknown	0	0	0	0	0	0	0	0	0	0	0
Total	**20**	**43**	**106**	**138**	**291**	**189**	**95**	**36**	**12**	**35**	**965**

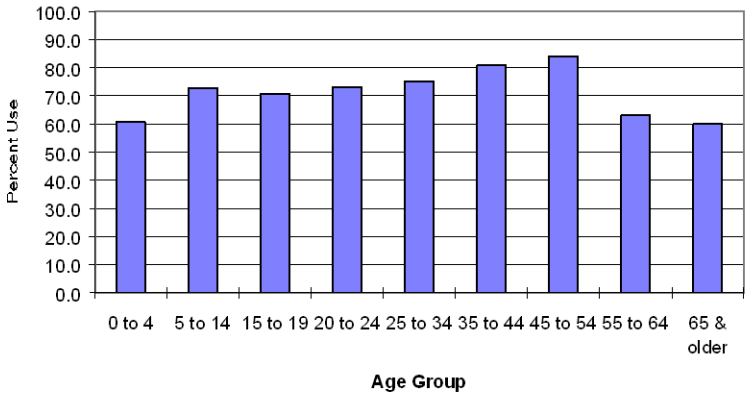
Restraints Not Used

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	11	14	32	40	74	35	17	15	7	16	261
Minimal Injuries	2	0	4	5	11	5	0	4	0	5	36
Minor Injuries	0	2	8	4	7	3	1	0	1	0	26
Major (Hospital Admission)	0	0	0	2	3	1	0	1	0	2	9
Fatal	0	0	0	0	1	1	0	1	0	0	3
Injured - Extent Unknown	0	0	0	0	0	0	0	0	0	0	0
Total	**13**	**16**	**44**	**51**	**96**	**45**	**18**	**21**	**8**	**23**	**335**

* 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	1	5	2	2	3	0	1	2	3	4	23	92.0
Killed	0	1	1	0	0	0	0	0	0	0	2	8.0
Total	1	6	3	2	3	0	1	2	3	4	25	
%	4.0	24.0	12.0	8.0	12.0	0.0	4.0	8.0	12.0	16.0	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	0	0	0	1	0	0	1	4.0
Crossing Intersection - No Traffic Control	0	0	0	0	0	0	0	0	0	0	0	0.0
Crossing Roadway at Crosswalk	0	0	0	0	0	0	0	0	0	0	0	0.0
Crossing Roadway Not at Intersection	0	0	0	0	0	0	0	1	1	0	2	8.0
Walking Along Roadway Against Traffic	0	1	0	0	0	0	1	0	0	2	4	16.0
Walking Along Roadway With Traffic	0	1	2	0	1	0	0	0	0	1	5	20.0
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	1	0	0	0	0	0	0	0	1	0	2	8.0
Coming from Behind Moving Vehicle	0	1	1	0	1	0	0	0	0	0	3	12.0
Running into Roadway	0	2	0	1	0	0	0	0	0	0	3	12.0
Getting On/Off School Bus	0	0	0	0	0	0	0	0	0	0	0	0.0
Getting On/Off Other Vehicles	0	0	0	0	0	0	0	0	0	0	0	0.0
Pushing Vehicle on Road	0	0	0	0	0	0	0	0	0	0	0	0.0
Working on Vehicle on Side of Road	0	0	0	0	0	0	0	0	0	0	0	0.0
Playing on Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0
Working on Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0
Lying on Road	0	1	0	0	0	0	0	0	0	0	1	4.0
Other	0	0	0	1	1	0	0	0	1	1	4	16.0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	1	6	3	2	3	0	1	2	3	4	25	100.0

Pedestrians Injured or Killed By Place of Occurrence and Injury Severity

Figure 8.3

Place of Occurrence	Killed	Injured	Total	%
Urban	2	22	24	96.0
Rural	0	1	1	4.0
Unspecified	0	0	0	0.0
Total	2	23	25	100.0

Pedestrians Injured or Killed by Accident Site

Figure 8.4

Accident Site	Killed	Injured	Total	%
Non-Intersection	1	13	**14**	56.0
At Intersection of At Least Two Roadways	0	3	**3**	12.0
Intersection With Parking Lot/Driveway/Alley	1	4	**5**	20.0
Railroad Level Crossing	0	0	**0**	0.0
Bridge/Overpass/Viaduct	0	1	**1**	4.0
Tunnel or Underpass	0	0	**0**	0.0
Passing Lane/Climbing Lane	0	0	**0**	0.0
Other	0	2	**2**	8.0
Unspecified	0	0	**0**	0.0
Total	**2**	**23**	**25**	100.0

Pedestrians Injured or Killed by Pedestrian Condition

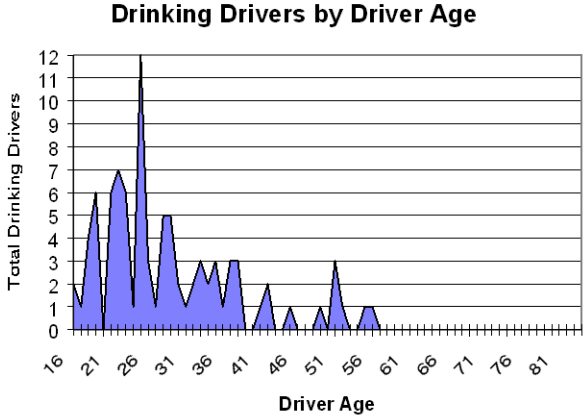
Figure 8.5

Pedestrian Condition	Killed	Injured	Total	%
Apparently Normal	1	13	14	56.0
Fatigued, Fell Asleep	0	0	0	0.0
Inexperience	0	0	0	0.0
Under Influence - Alcohol	1	7	8	32.0
Under Influence - Drugs	0	0	0	0.0
Sudden Illness. Lost Conciousness	0	0	0	0.0
Other Condition	0	1	1	4.0
Unknown	0	2	2	8.0
Total	**2**	**23**	**25**	100.0

Drinking Drivers in Collisions by Driver Age and Gender

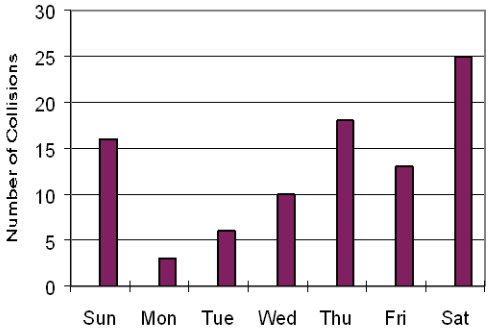
Figure 9.1

Driver Age	Male	Female	Not Stated	Total Drinking Drivers
Under 16	0	0	0	**0**
16	1	1	0	**2**
17	1	0	0	**1**
18	4	0	0	**4**
19	4	2	0	**6**
20	0	0	0	**0**
21 to 24	13	7	0	**20**
25 to 34	31	5	0	**36**
35 to 44	8	5	0	**13**
45 to 54	6	0	0	**6**
55 to 64	2	0	0	**2**
65 & Older	0	0	0	**0**
Not Stated	2	0	0	**2**
Total	**72**	**20**	**0**	**92**



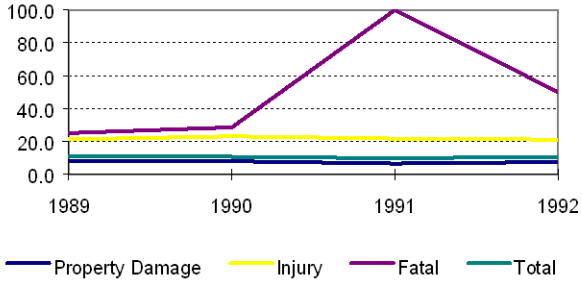
Collisions Involving Alcohol by Day of Week

Figure 9.2



Percentage of Collisons Involving Alcohol by Year and Severity

Figure 9.3



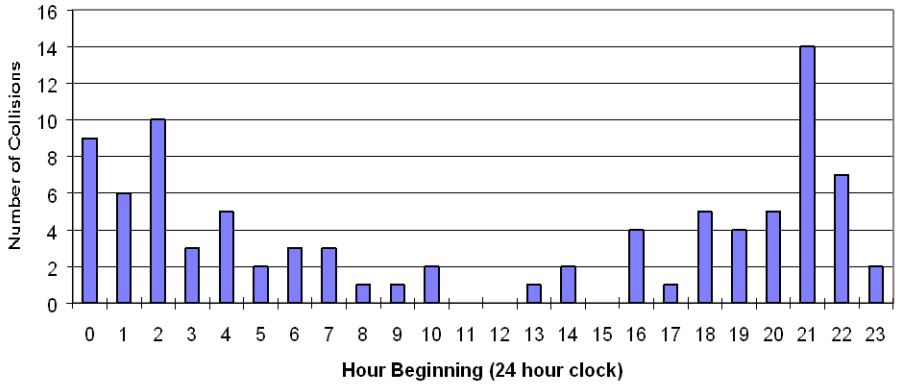
Number of Collisions and Victims Involving Alcohol

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
Average	**51**	**36**	**3**	**90**	**10**	**61**	**3**	**63**	**25.3**

Number of Alcohol Related Collisions by Time of Day

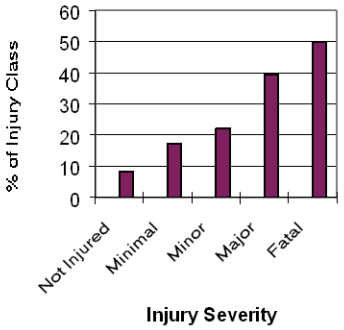
Figure 9.5



Injury Severity by Alcohol Involvement

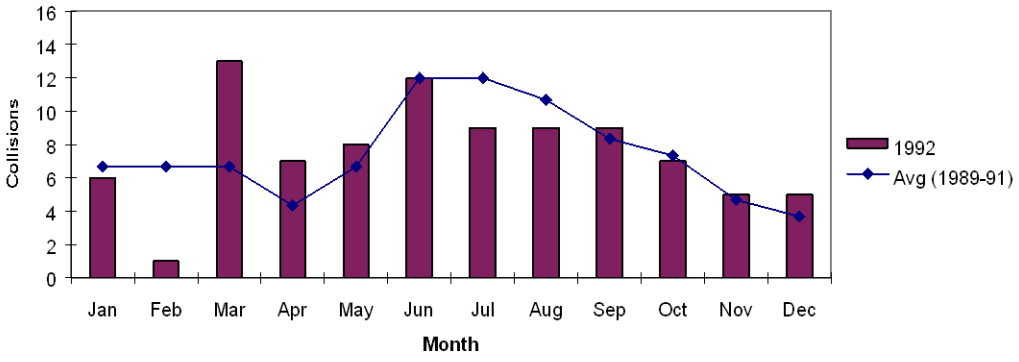
Figure 9.6

Injury Severity	Alcohol Involvement Yes	No	Totals	% with Alcohol
Not Injured	128	1,408	1536	8.3
Minimal Injuries	19	91	110	17.3
Minor	25	87	112	22.3
Major	15	23	38	39.5
Fatal	3	3	6	50.0
Injured - Extent Unknown	0	0	0	-
Total	**190**	**1612**	**1802**	**10.5**



Alcohol-Involved Collisions by Month

Figure 9.7



Off-Road Vehicle Collisions by Month and Severity

Figure 10.1

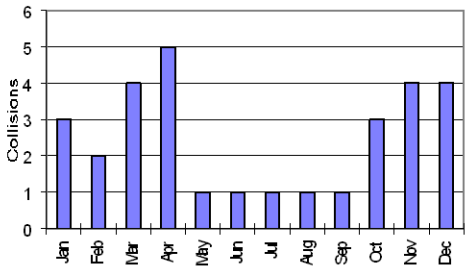
	Number of Collisions				Number of Victims	
Month	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	1	2	0	3	3	0
February	0	2	0	2	2	0
March	2	2	0	4	2	0
April	1	4	0	5	6	0
May	0	1	0	1	1	0
June	0	1	0	1	2	0
July	0	1	0	1	1	0
August	0	1	0	1	1	0
September	0	1	0	1	1	0
October	2	1	0	3	1	0
November	0	4	0	4	6	0
December	1	3	0	4	5	0
Total	**7**	**23**	**0**	**30**	**31**	**0**

Off-Road Vehicle Collisions by Vehicle Type

Figure 10.2

	Snowmobile	ATV	Total
Total Victims	**26**	**5**	**31**
Killed	0	0	0
Injured	26	5	31
Total Vehicles Involved	**28**	**6**	**34**
Fatal	0	0	0
Injury	21	6	27
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	1	0	3	0	0	6	18.2
15 to 19	3	1	0	1	0	0	5	15.2
20 to 24	6	2	0	2	0	0	10	30.3
25 to 34	4	2	0	0	0	0	6	18.2
35 to 44	2	0	0	0	0	0	2	6.1
45 to 54	3	0	0	0	0	0	3	9.1
55 to 64	0	0	0	0	0	0	0	0.0
65 & Over	0	0	0	0	0	0	0	0.0
Unknown	0	0	1	0	0	0	1	3.0
Total	20	6	1	6	0	0	33	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	3	12	0	15	45.5
Fatigue/Fell Asleep	0	0	0	0	0.0
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	1	11	0	12	36.4
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	2	4	0	6	18.2
Total	6	27	0	33	100.0

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

Figure 10.5

Driver Action	Property Damage	Personal Injury	Fatal	Total	%
Driving Properly	1	3	0	4	12.1
Following Too Closely	0	1	0	1	3.0
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	1	2	0	3	9.1
Improper Turning or Passing	0	4	0	4	12.1
Failed to Yield Right-of-Way	2	2	0	4	12.1
Disobeyed Traffic Control or Officer	0	2	0	2	6.1
Driving on Wrong Side of Road	1	2	0	3	9.1
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	0	0	0	0.0
Lost Control	1	10	0	11	33.3
Other	0	1	0	1	3.0
Unknown	0	0	0	0	0.0
Total	**6**	**27**	**0**	**33**	**100.0**

Off-Road Vehicle Occupants by Injury Severity and Helmet Use

Figure 10.6

Injury Severity	Helmet Worn	Helmet Not Worn	Unknown	Total	%
Not Injured	3	16	3	22	41.5
Minimal Injuries	0	3	0	3	5.7
Minor Injuries	2	12	0	14	26.4
Major (Hospital Admission)	1	13	0	14	26.4
Fatal	0	0	0	0	0.0
Injured - Extent Unknown	0	0	0	0	0.0
Total	**6**	**44**	**3**	**53**	**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	8	0
Deline	3	0	0	3	0	0
Fort Good Hope	7	2	1	10	2	1
Fort McPherson	13	8	0	21	19	0
Holman	0	0	0	0	0	0
Inuvik	50	15	1	66	21	1
Norman Wells	11	4	0	15	6	0
Sachs Harbour	2	0	0	2	0	0
Tuktoyaktuk	7	6	0	13	7	0
Tulita	2	1	0	3	2	0
Sub Total Inuvik Region	**98**	**41**	**2**	**141**	**65**	**2**

B - Fort Simpson Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Fort Liard	4	3	0	7	3	0
Fort Simpson	12	13	0	25	21	0
Sub Total Fort Simpson Region	**16**	**16**	**0**	**32**	**24**	**0**

C - South Slave Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Hay River	90	22	2	114	32	2
Fort Providence	22	11	1	34	17	1
Fort Resolution	5	2	0	7	2	0
Fort Smith	33	9	0	42	10	0
Lutsel K'e	0	2	0	2	2	0
Sub Total South Slave Region	**150**	**46**	**3**	**199**	**63**	**3**

D - North Slave Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Rae/Wha Ti	23	14	1	38	26	1
Yellowknife	392	64	0	456	82	0
Sub Total North Slave Region	**415**	**78**	**1**	**494**	**108**	**1**
Total - All Regions	**679**	**181**	**6**	**866**	**260**	**6**

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 (1992 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Aklavik	8	185	111	857	4.32	7.21	0.93
Deline	3	0	54	605	0.00	5.56	0.50
Fort Good Hope	10	128	95	732	7.81	10.53	1.37
Fort McPherson	21	167	173	961	12.57	12.14	2.19
Ulukhaktok	0	35	100	390	0.00	0.00	0.00
Inuvik	66	1,586	1,635	3,455	4.16	4.04	1.91
Norman Wells	15	416	605	681	3.61	2.48	2.20
Sachs Harbour	2	36	9	134	5.56	22.22	1.49
Tuktoyaktuk	13	340	267	1,259	3.82	4.87	1.03
Tulita	3	0	62	403	0.00	4.84	0.74
Sub Total Inuvik Region	**141**	**2,893**	**3,111**	**9,477**	**4.87**	**4.53**	**1.49**

B - Fort Simpson Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1992 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Fort Liard	7	132	181	527	5.30	3.87	1.33
Fort Simpson	25	613	758	1,584	4.08	3.30	1.58
Sub Total Fort Simpson Region	**32**	**745**	**939**	**2,111**	**4.30**	**3.41**	**1.52**

C - South Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1992 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Hay River	114	2,362	3,520	3,802	4.83	3.24	3.00
Fort Providence	34	219	238	705	15.53	14.29	4.82
Fort Resolution	7	212	184	544	3.30	3.80	1.29
Fort Smith	42	1,400	1,507	2,664	3.00	2.79	1.58
Lutsel K'e	2	12	30	310	16.67	6.67	0.65
Sub Total South Slave Region	**199**	**4,205**	**5,479**	**8,025**	**4.73**	**3.63**	**2.48**

D - North Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1992 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Behchoko/Whati	38	161	409	2,474	23.60	9.29	1.54
Yellowknife	456	10,845	10,694	16,687	4.20	4.26	2.73
Sub Total North Slave Region	**494**	**11,006**	**11,103**	**19,161**	**4.49**	**4.45**	**2.58**
Total - All Regions	**866**	**18,849**	**20,632**	**39,400**	**4.59**	**4.20**	**2.20**

[1] Number of registered vehicles and licensed drivers are as of December 31, 1992.

[2] 1992 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 1993.

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	13-Oct-1992	Property Damage	Sideswipe Same Direction	0	0
	16.0	18-Jan-1992	Injury	Animal Strike	1	0
	24.0	14-Jan-1992	Injury	Single Vehicle Rollover	1	0
	31.0	13-Dec-1992	Property Damage	Ran Off Road	0	0
	41.0	31-Oct-1992	Property Damage	Single Vehicle Rollover	0	0
	51.0	22-May-1992	Property Damage	Single Vehicle Rollover	0	0
	54.0	12-Jun-1992	Injury	Single Vehicle Rollover	1	0
	84.0	16-Nov-1992	Property Damage	Collision with Fixed Object	0	0
	97.0	21-Jun-1992	Property Damage	Collision with Fixed Object	0	0
	100.0	22-Jul-1992	Property Damage	Collision with Fixed Object	0	0
	105.0	1-Apr-1992	Injury	Single Vehicle Rollover	1	0
	107.0	17-Jan-1992	Injury	Single Vehicle Rollover	1	0
	119.0	3-Jun-1992	Property Damage	Other Single Vehicle Collision	0	0
	125.0	26-Apr-1992	Property Damage	Collision with Fixed Object	0	0
	125.0	5-Jun-1992	Property Damage	Single Vehicle Rollover	0	0
	145.0	3-Jun-1992	Fatal	Single Vehicle Rollover	2	1
	156.0	14-Oct-1992	Injury	Single Vehicle Rollover	1	0
	186.0	21-Aug-1992	Property Damage	Animal Strike	0	0
	268.0	18-Aug-1992	Injury	Ran Off Road	1	0
	300.0	5-Sep-1992	Injury	Single Vehicle Rollover	1	0
	313.0	12-Sep-1992	Property Damage	Other Single Vehicle Collision	0	0
	329.0	2-Apr-1992	Injury	Single Vehicle Rollover	1	0
	330.0	20-Aug-1992	Injury	Collision with Parked Vehicle	3	0
	348.0	21-Sep-1992	Property Damage	Animal Strike	0	0
	380.0	1-Jul-1992	Injury	Single Vehicle Rollover	2	0
	432.0	1-Mar-1992	Property Damage	Ran Off Road	0	0
	461.0	2-Jul-1992	Injury	Single Vehicle Rollover	1	0
	466.0	27-Aug-1992	Injury	Single Vehicle Rollover	3	0
	467.0	10-Oct-1992	Injury	Collision with Pedestrian	1	0
	469.0	22-Nov-1992	Injury	Rear End	1	0

Summary Highway #1	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	14	15	1	30	22	1

Highway #2 (Hay River)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	6.0	9-Jan-1992	Property Damage	Other Multi-Vehicle Collision	0	0
	8.0	7-Feb-1992	Property Damage	Single Vehicle Rollover	0	0
	14.0	12-Nov-1992	Property Damage	Collision with Fixed Object	0	0
	15.0	13-Oct-1992	Property Damage	Animal Strike	0	0
	20.0	28-Jun-1992	Property Damage	Single Vehicle Rollover	0	0
	30.0	20-Jan-1992	Property Damage	Ran Off Road	0	0
	30.0	19-Sep-1992	Injury	Single Vehicle Rollover	2	0
	32.0	14-Sep-1992	Property Damage	Ran Off Road	0	0
	32.0	16-Oct-1992	Property Damage	Ran Off Road	0	0
	33.0	22-Jul-1992	Injury	Ran Off Road	1	0
	37.4	25-Oct-1992	Property Damage	Right Angle	0	0
	38.0	6-Jul-1992	Property Damage	Ran Off Road	0	0
	38.0	11-Oct-1992	Injury	Single Vehicle Rollover	1	0
	38.0	19-Nov-1992	Property Damage	Single Vehicle Rollover	0	0
	40.0	19-Jan-1992	Property Damage	Collision with Fixed Object	0	0
	40.0	26-Jul-1992	Injury	Collision with Pedestrian	1	0
	41.0	31-Jul-1992	Property Damage	Passing - Left Turn	0	0
	42.0	27-Jun-1992	Property Damage	Collision with Fixed Object	0	0
	42.0	1-Nov-1992	Property Damage	Single Vehicle Rollover	0	0
	43.4	9-Aug-1992	Property Damage	Collision with Fixed Object	0	0
	43.9	26-Aug-1992	Property Damage	Right Angle	0	0

Summary Highway #2	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	14	4	0	18	5	0

Highway #3 (Yellowknife)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	2.0	10-Apr-1992	Injury	Single Vehicle Rollover	1	0
	26.0	21-Feb-1992	Property Damage	Other Single Vehicle Collision	0	0
	27.0	14-Nov-1992	Property Damage	Animal Strike	0	0
	36.0	5-Oct-1992	Property Damage	Animal Strike	0	0
	48.0	18-Jun-1992	Property Damage	Sideswipe Same Direction	0	0
	56.0	20-Aug-1992	Injury	Animal Strike	2	0
	61.0	1-Jul-1992	Injury	Single Vehicle Rollover	1	0
	73.0	20-Jun-1992	Injury	Single Vehicle Rollover	1	0
	74.0	11-Jul-1992	Injury	Single Vehicle Rollover	1	0
	77.0	17-Aug-1992	Property Damage	Single Vehicle Rollover	0	0
	77.0	20-Oct-1992	Property Damage	Other Single Vehicle Collision	0	0
	82.0	15-Mar-1992	Property Damage	Other Single Vehicle Collision	0	0
	86.0	24-Aug-1992	Injury	Collision with Fixed Object	2	0
	109.0	27-Jun-1992	Fatal	Single Vehicle Rollover	1	1
	112.0	8-Sep-1992	Injury	Single Vehicle Rollover	2	0
	112.0	3-Oct-1992	Property Damage	Collision with Fixed Object	0	0
	120.0	18-Oct-1992	Injury	Single Vehicle Rollover	1	0
	120.0	8-Nov-1992	Property Damage	Single Vehicle Rollover	0	0
	123.0	1-Jun-1992	Property Damage	Single Vehicle Rollover	0	0
	134.0	27-May-1992	Injury	Single Vehicle Rollover	1	0
	150.0	16-Jan-1992	Property Damage	Collision with Fixed Object	0	0
	168.0	3-Sep-1992	Property Damage	Ran Off Road	0	0
	178.0	2-May-1992	Injury	Ran Off Road	4	0
	180.0	7-Oct-1992	Injury	Single Vehicle Rollover	1	0
	190.0	19-May-1992	Property Damage	Single Vehicle Rollover	0	0
	198.0	5-May-1992	Property Damage	Ran Off Road	0	0
	201.0	24-May-1992	Property Damage	Single Vehicle Rollover	0	0
	213.0	2-Nov-1992	Injury	Single Vehicle Rollover	1	0
	213.0	5-Dec-1992	Injury	Single Vehicle Rollover	2	0
	214.0	28-Jul-1992	Property Damage	Single Vehicle Rollover	0	0
	222.0	10-Aug-1992	Injury	Single Vehicle Rollover	2	0
	230.0	30-Sep-1992	Injury	Single Vehicle Rollover	2	0
	241.0	9-Feb-1992	Property Damage	Single Vehicle Rollover	0	0
	242.0	5-Feb-1992	Property Damage	Collision with Fixed Object	0	0
	242.0	3-Mar-1992	Property Damage	Single Vehicle Rollover	0	0
	242.0	6-Apr-1992	Property Damage	Collision with Fixed Object	0	0
	252.0	5-Apr-1992	Fatal	Head-on	1	1
	252.0	23-Aug-1992	Injury	Ran Off Road	1	0
	253.0	5-Oct-1992	Injury	Head-on	4	0
	257.0	23-Jul-1992	Injury	Single Vehicle Rollover	1	0
	258.0	14-Nov-1992	Property Damage	Other Multi-Vehicle Collision	0	0
	260.0	29-Oct-1992	Property Damage	Single Vehicle Rollover	0	0
	260.0	6-Nov-1992	Property Damage	Single Vehicle Rollover	0	0
	262.0	15-Jan-1992	Property Damage	Single Vehicle Rollover	0	0
	273.0	5-Nov-1992	Property Damage	Ran Off Road	0	0
	273.0	17-Dec-1992	Injury	Collision with Fixed Object	1	0
	275.0	13-Aug-1992	Property Damage	Single Vehicle Rollover	0	0
	278.0	26-Jun-1992	Injury	Single Vehicle Rollover	1	0
	280.0	18-Dec-1992	Injury	Single Vehicle Rollover	1	0
	290.0	29-Oct-1992	Property Damage	Ran Off Road	0	0
	291.0	3-Aug-1992	Property Damage	Single Vehicle Rollover	0	0
	293.0	4-Oct-1992	Property Damage	Sideswipe - Opposite Direction	0	0
	298.0	4-Sep-1992	Property Damage	Single Vehicle Rollover	0	0
	299.0	7-Oct-1992	Injury	Single Vehicle Rollover	2	0
	304.0	2-Sep-1992	Property Damage	Ran Off Road	0	0
	316.0	23-May-1992	Property Damage	Sideswipe - Opposite Direction	0	0
	318.0	21-Nov-1992	Property Damage	Single Vehicle Rollover	0	0
	327.0	31-Jan-1992	Property Damage	Collision with Parked Vehicle	0	0
	331.0	5-Jul-1992	Injury	Ran Off Road	2	0
	335.0	9-Feb-1992	Injury	Collision with Fixed Object	2	0
	335.0	9-Aug-1992	Injury	Ran Off Road	1	0
	335.0	17-Dec-1992	Property Damage	Other Single Vehicle Collision	0	0
	336.0	7-Dec-1992	Injury	Collision with Fixed Object	1	0
	338.0	18-Jul-1992	Property Damage	Ran Off Road	0	0
	338.8	27-Sep-1992	Property Damage	Passing - Left Turn	0	0

Summary Highway #3	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	37	26	2	65	43	2

Highway #4 (Ingraham Trail)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	1.0	14-Jan-1992	Injury	Sideswipe - Opposite Direction	2	0
	1.0	10-Dec-1992	Injury	Ran Off Road	4	0
	3.0	21-Oct-1992	Injury	Ran Off Road	1	0
	6.0	20-Jan-1992	Property Damage	Ran Off Road	0	0
	7.0	10-Feb-1992	Injury	Head-on	1	0
	12.0	22-Aug-1992	Injury	Single Vehicle Rollover	1	0
	19.0	10-Oct-1992	Injury	Ran Off Road	3	0
	19.0	25-Dec-1992	Property Damage	Ran Off Road	0	0
	24.0	1-Nov-1992	Property Damage	Animal Strike	0	0
	26.0	3-Aug-1992	Property Damage	Ran Off Road	0	0
	35.0	8-Sep-1992	Injury	Collision with Fixed Object	1	0
	60.0	4-Jul-1992	Property Damage	Ran Off Road	0	0
	63.0	19-May-1992	Property Damage	Collision with Fixed Object	0	0
	68.0	3-Jan-1992	Property Damage	Ran Off Road	0	0
	69.0	4-Aug-1992	Property Damage	Single Vehicle Rollover	0	0
	69.0	15-Nov-1992	Property Damage	Collision with Fixed Object	0	0

Summary Highway #4	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	9	7	0	16	13	0

Highway #5 (Fort Smith Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	10.0	9-Feb-1992	Property Damage	Single Vehicle Rollover	0	0
	20.0	3-Dec-1992	Property Damage	Collision with Fixed Object	0	0
	25.0	12-Dec-1992	Injury	Collision with Fixed Object	1	0
	26.0	10-Nov-1992	Property Damage	Animal Strike	0	0
	48.0	11-Sep-1992	Property Damage	Other Single Vehicle Collision	0	0
	52.0	18-May-1992	Injury	Single Vehicle Rollover	1	0
	82.0	4-Apr-1992	Property Damage	Ran Off Road	0	0
	151.0	29-Jul-1992	Injury	Single Vehicle Rollover	2	0
	201.0	5-Mar-1992	Property Damage	Single Vehicle Rollover	0	0
	205.0	3-Sep-1992	Injury	Single Vehicle Rollover	1	0
	227.0	2-Nov-1992	Property Damage	Single Vehicle Rollover	0	0
	238.0	17-Sep-1992	Injury	Single Vehicle Rollover	1	0
	252.0	13-Jul-1992	Injury	Single Vehicle Rollover	1	0
	264.0	18-Oct-1992	Property Damage	Collision with Fixed Object	0	0
	264.1	12-Dec-1992	Property Damage	Other Multi-Vehicle Collision	0	0

Summary Highway #5	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	9	6	0	15	7	0

Highway #6 (Fort Resolution Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	84.0	21-Jan-1992	Property Damage	Collision with Fixed Object	0	0
	85.0	22-Jun-1992	Injury	Single Vehicle Rollover	1	0
	87.0	6-Jan-1992	Property Damage	Collision with Parked Vehicle	0	0

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

Highway #7 (Liard Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	2.0	27-Feb-1992	Injury	Collision with Fixed Object	1	0
	78.0	15-Jun-1992	Property Damage	Collision with Fixed Object	0	0
	160.0	5-Feb-1992	Property Damage	Animal Strike	0	0
	227.0	12-Mar-1992	Property Damage	Single Vehicle Rollover	0	0
	244.0	30-Aug-1992	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	1	0

Highway #8 (Dempster Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	24.0	14-May-1992	Property Damage	Other Single Vehicle Collision	0	0
	25.0	13-Feb-1992	Property Damage	Single Vehicle Rollover	0	0
	55.0	7-Aug-1992	Property Damage	Other Multi-Vehicle Collision	0	0
	68.0	14-Jun-1992	Property Damage	Ran Off Road	0	0
	72.0	5-Jun-1992	Injury	Single Vehicle Rollover	1	0
	78.0	10-Jun-1992	Injury	Single Vehicle Rollover	7	0
	93.0	30-Mar-1992	Property Damage	Sideswipe - Opposite Direction	0	0
	95.0	11-Sep-1992	Injury	Other Multi-Vehicle Collision	3	0
	98.0	4-Apr-1992	Property Damage	Single Vehicle Rollover	0	0
	100.0	16-Jul-1992	Injury	Ran Off Road	1	0
	104.0	6-Feb-1992	Property Damage	Ran Off Road	0	0
	115.0	31-Aug-1992	Injury	Ran Off Road	1	0
	125.0	5-Dec-1992	Property Damage	Sideswipe - Opposite Direction	0	0
	134.0	30-Aug-1992	Injury	Single Vehicle Rollover	2	0
	135.0	30-Jun-1992	Property Damage	Sideswipe - Opposite Direction	0	0
	139.0	22-Jun-1992	Property Damage	Ran Off Road	0	0
	220.0	18-Aug-1992	Property Damage	Single Vehicle Rollover	0	0
	222.0	30-Jul-1992	Property Damage	Single Vehicle Rollover	0	0
	230.0	10-Sep-1992	Property Damage	Single Vehicle Rollover	0	0
	234.0	22-Apr-1992	Property Damage	Other Single Vehicle Collision	0	0
	237.0	4-Apr-1992	Property Damage	Single Vehicle Rollover	0	0
	239.0	12-Sep-1992	Property Damage	Single Vehicle Rollover	0	0
	244.0	25-Jun-1992	Property Damage	Other Multi-Vehicle Collision	0	0
	253.0	22-Aug-1992	Property Damage	Single Vehicle Rollover	0	0
	257.0	17-Oct-1992	Injury	Single Vehicle Rollover	1	0
	259.0	8-Jun-1992	Fatal	Collision with Fixed Object	0	1
	259.0	9-Oct-1992	Property Damage	Other Multi-Vehicle Collision	0	0
	259.0	13-Nov-1992	Property Damage	Other Multi-Vehicle Collision	0	0

Summary Highway #8	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	20	7	1	28	16	1

Access and Winter Roads	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
Aklavik Winter Access Road	1-Mar-1992	Property Damage	Collision with Fixed Object	0	0
Aklavik Winter Access Road	28-Mar-1992	Property Damage	Single Vehicle Rollover	0	0
Aklavik Winter Access Road	21-Dec-1992	Injury	Single Vehicle Rollover	2	0
Deline Winter Access Road	23-Feb-1992	Property Damage	Other Multi-Vehicle Collision	0	0
Dettah Access Road	18-Aug-1992	Property Damage	Ran Off Road	0	0
Dettah Winter Access Road	4-Apr-1992	Injury	Collision with Parked Vehicle	1	0
Fort Providence Access Road	15-Sep-1992	Injury	Animal Strike	1	0
Hay River Reserve Access Road	30-May-1992	Injury	Single Vehicle Rollover	2	0
Hay River Reserve Access Road	8-Nov-1992	Fatal	Collision with Pedestrian	1	1
Inuvik-Tuktoyaktuk Winter Road	2-Mar-1992	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road	15-Mar-1992	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road	28-Mar-1992	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road	30-Mar-1992	Injury	Collision with Fixed Object	4	0
Mackenzie Highway Winter Road	4-Jan-1992	Property Damage	Collision with Fixed Object	0	0
Mackenzie Highway Winter Road	4-Feb-1992	Injury	Other Multi-Vehicle Collision	2	0
Mackenzie Highway Winter Road	15-Feb-1992	Property Damage	Collision with Fixed Object	0	0
Mackenzie Highway Winter Road	11-Mar-1992	Injury	Collision with Fixed Object	2	0
Mackenzie Highway Winter Road	23-Mar-1992	Property Damage	Single Vehicle Rollover	0	0
Rae Access Road	20-Sep-1992	Property Damage	Single Vehicle Rollover	0	0
Salt River Access Road	24-Feb-1992	Property Damage	Sideswipe - Opposite Direction	0	0
Sandy Lake Access Road	8-Sep-1992	Property Damage	Collision with Fixed Object	0	0
Yellowknife Access Road	29-Mar-1992	Property Damage	Sideswipe Same Direction	0	0
Yellowknife Access Road	30-Jul-1992	Injury	Single Vehicle Rollover	1	0
Yellowknife Access Road	4-Dec-1992	Property Damage	Collision with Fixed Object	0	0

Summary Access and Winter Roads	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	15	8	1	24	16	1

Summary All NWT Highways	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	124	75	5	204	124	5

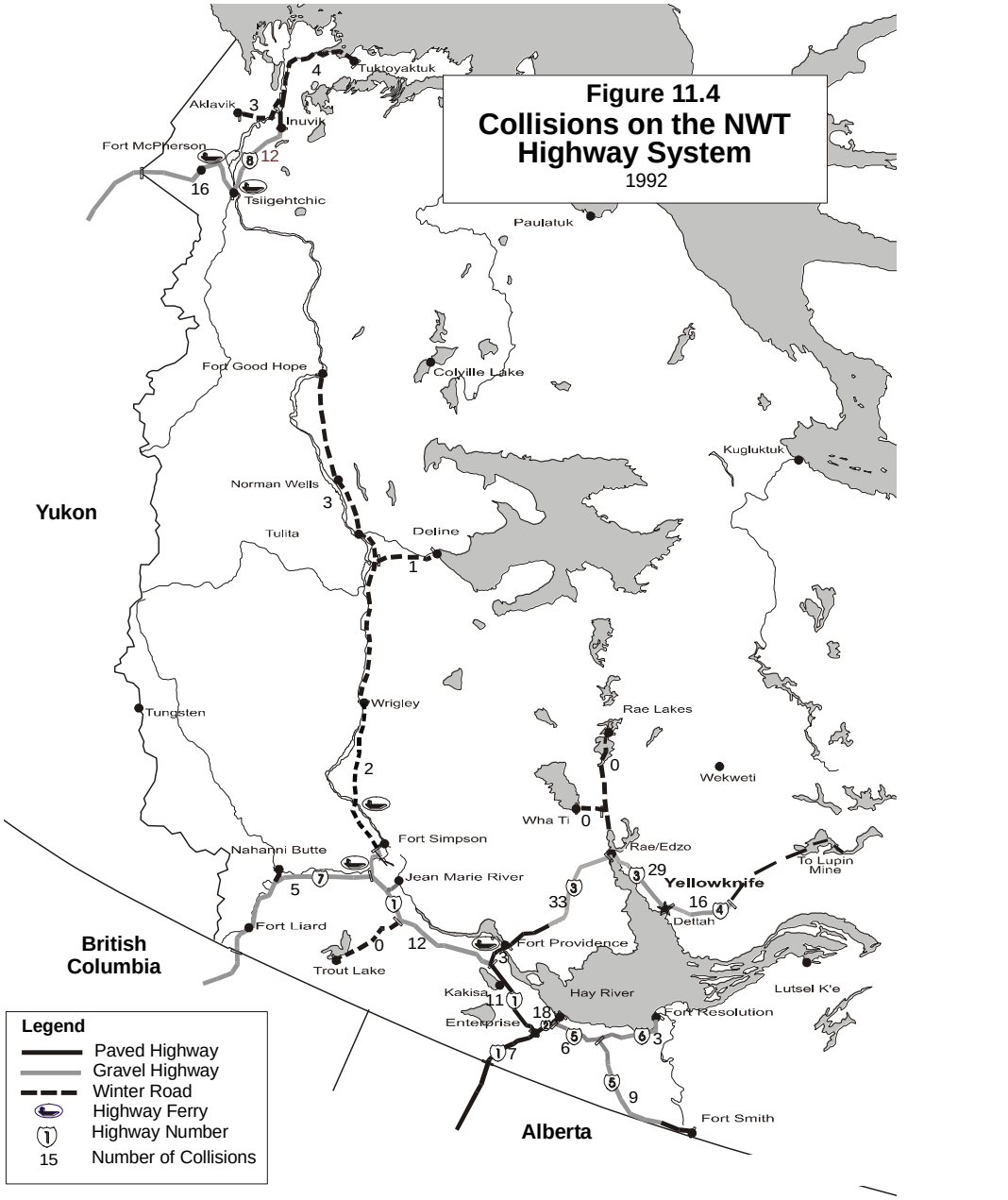
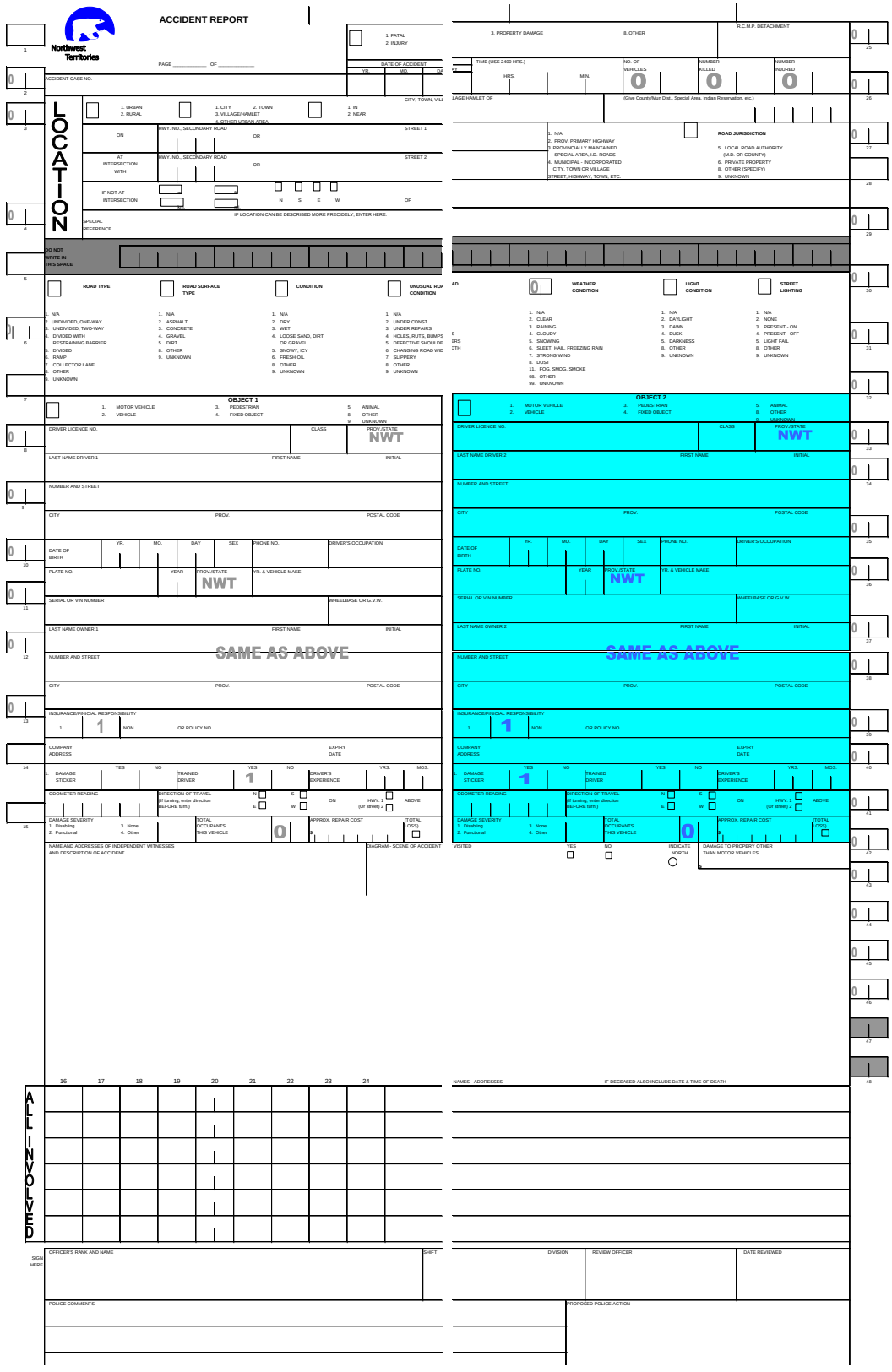
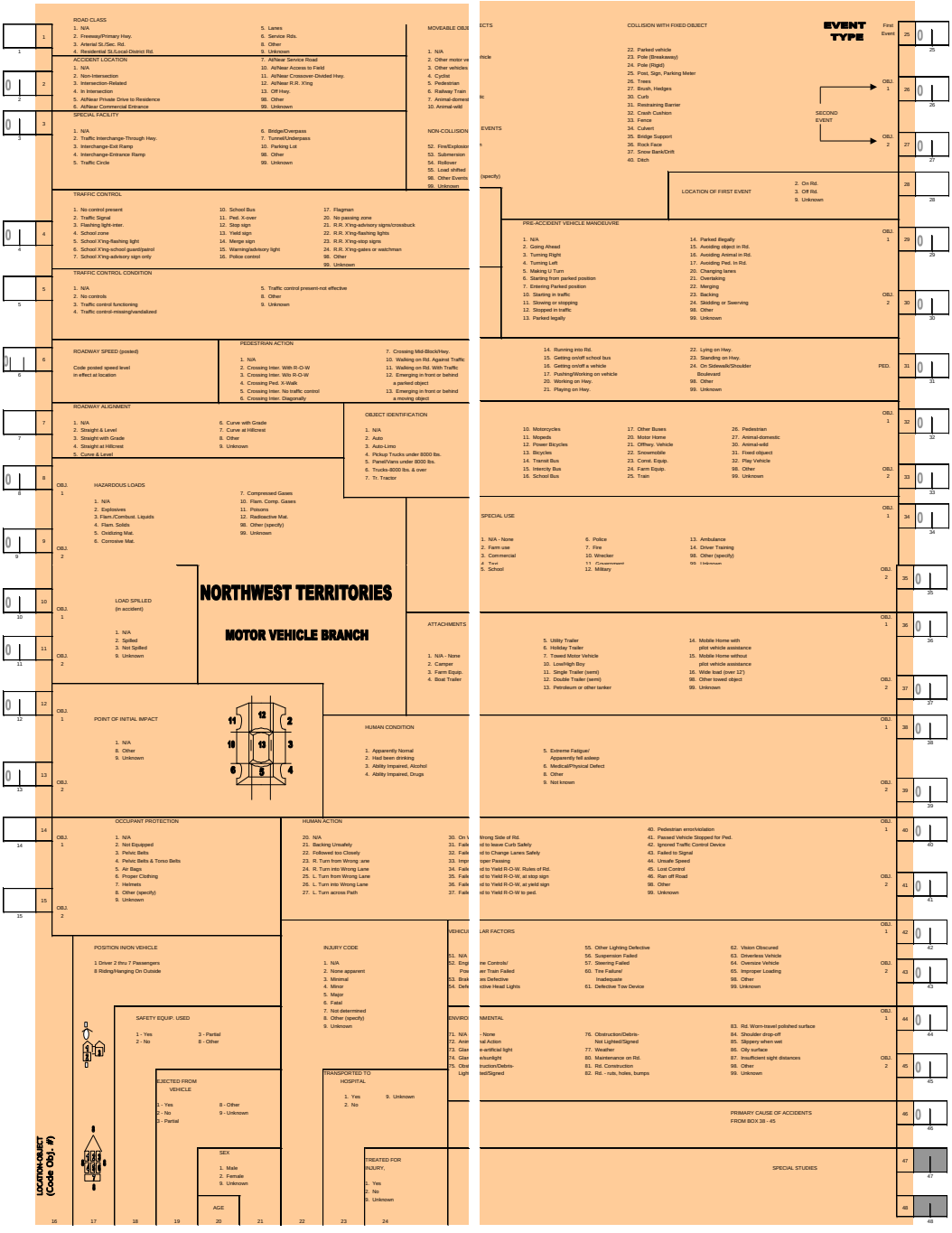


Figure 11.4
Collisions on the NWT Highway System
1992
Tuktoyaktuk
Aklavik
Inuvik
Fort McPherson
Tsiigehtchic
Paulatuk
Fort Good Hope
Colville Lake
Kugluktuk
Norman Wells
Tulita
Deline
Yukon
Wrigley
Tungsten
Rae Lakes
Wekweti
Wha Ti
Fort Simpson
Nahanni Butte
Rae/Edzo
To Lupin Mine
Yellowknife
Jean Marie River
Fort Liard
Deltah
Fort Providence
Trout Lake
Kakisa
Hay River
Lutsel K'e
Enterprise
Fort Resolution
Fort Smith
British Columbia
Alberta
Legend
Paved Highway
Gravel Highway
Winter Road
Highway Ferry
Highway Number
Number of Collisions


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


NORTHWEST TERRITORIES
MOTOR VEHICLE BRANCH
ROAD CLASS
ACCIDENT LOCATION
SPECIAL FACILITY
TRAFFIC CONTROL
TRAFFIC CONTROL CONDITION
ROADWAY SPEED (posted)
ROADWAY ALIGNMENT
HAZARDOUS LOADS
LOAD SPILLED (in accident)
POINT OF INITIAL IMPACT
OCCUPANT PROTECTION
POSITION IN/ON VEHICLE
SAFETY EQUIP. USED
EJECTED FROM VEHICLE
SEX
AGE
PEDESTRIAN ACTION
OBJECT IDENTIFICATION
ATTACHMENTS
HUMAN CONDITION
HUMAN ACTION
INJURY CODE
TRANSPORTED TO HOSPITAL
TREATED FOR INJURY
MOVEABLE OBJE
NON-COLLISION
COLLISION WITH FIXED OBJECT
EVENT TYPE
First Event
SECOND EVENT
LOCATION OF FIRST EVENT
PRE-ACCIDENT VEHICLE MANOEUVRE
PED.
SPECIAL USE
PRIMARY CAUSE OF ACCIDENTS FROM BOX 38 - 45
SPECIAL STUDIES
LOCATION OBJECT (Code Obj. #)

The following is a brief description of the six fatal traffic collisions that took place in the Northwest Territories in 1992, resulting in six fatalities.

RCMP Detachment	Date	Description
Rae	4-Apr	Head-on collision between passenger car and tractor trailer unit near Km 252 on Highway #3. Fully restrained driver of passenger car was killed while unrestrained occupant in right front seat was seriously injured. Driver of tractor trailer unit was not injured. Unknown if alcohol was involved.
Hay River	2-Jun	Single vehicle rollover near Km 145 on Highway #1. Centre front occupant, who was not restrained, was partially ejected and sustained fatal injuries. The driver and right front passenger, who were both restrained, suffered moderate to serious injuries. Driver had been drinking.
Inuvik	7-Jun	Single vehicle rollover near Km 259 on Highway #8. Driver and sole occupant of the pickup truck was totally ejected and died at the scene. The driver was impaired by alcohol.
Fort Providence	26-Jun	Single vehicle rollover near Km 109 on Highway #3. Unrestrained passenger of pickup truck was totally ejected and died at the scene. The restrained driver remained in the vehicle and suffered only superficial injuries. Alcohol was not involved.
Fort Good Hope	28-Oct	Young pedestrian struck by passenger van in community. Alcohol and speed were not factors.
Hay River	7-Nov	Two pedestrians struck by passenger car which fled scene. One pedestrian was killed while the other was seriously injured. Pedestrians had been drinking.