

1989 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.

1989 QUICK FACTS REPORT

	<u>1989</u>
PROPERTY DAMAGE ONLY COLLISIONS	691
PERSONAL INJURY COLLISIONS	180
FATAL COLLISIONS	8
TOTAL REPORTED COLLISIONS	879
NUMBER OF PERSONS KILLED	8
NUMBER OF PERSONS INJURED	263
NWT HIGHWAY SYSTEM COLLISIONS	253
RURAL COLLISIONS	6
COLLISIONS IN COMMUNITIES	620
REGISTERED VEHICLES	20,257
LICENSED DRIVERS	12,579
NWT POPULATION [1]	37,700
COLLISIONS PER 100 LICENSED DRIVERS	6.99
COLLISIONS PER 100 REGISTERED VEHICLES	4.34
COLLISIONS PER 100 POPULATION	2.33
COLLISIONS INVOLVING ALCOHOL	96

[1] 1989 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 1990.

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.

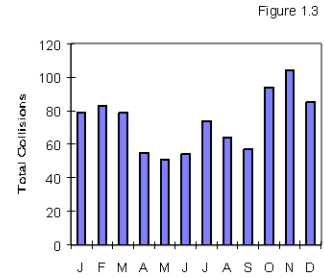
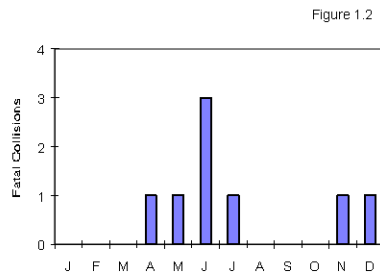
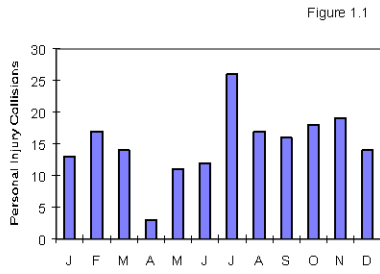
TRAFFIC FATALITY COLLISION (Fatal) - a motor vehicle collision resulting in death within 30 days to one or more involved persons. Death must be the result of injuries incurred from the collision. This excludes death from natural causes such as heart attacks.

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Collisions by Month of Occurrence



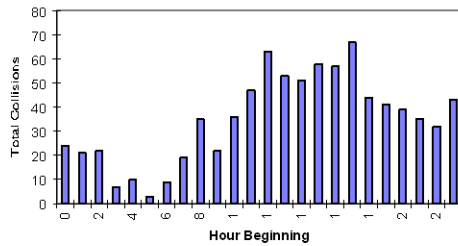
Collisions & Victims by Month of Occurrence

Figure 1.4

Month	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	66	13	0	79	19	0
February	66	17	0	83	25	0
March	65	14	0	79	24	0
April	51	3	1	55	7	1
May	39	11	1	51	14	1
June	39	12	3	54	21	3
July	47	26	1	74	31	1
August	47	17	0	64	31	0
September	41	16	0	57	18	0
October	76	18	0	94	27	0
November	84	19	1	104	27	1
December	70	14	1	85	19	1
Total	691	180	8	879	263	8

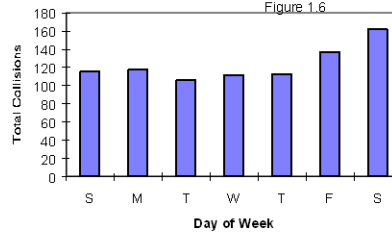
Total Collisions by Time of Day

Figure 1.5



Total Collisions by Day of Week

Figure 1.6



Time of Occurrence – Section 1

Collisions by Time of Day & Day of Week*

Figure 1.7

Collision Hour	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total	%
12 to 1 a.m.	5	6	3	1	1	3	5	24	2.8
1 to 2 a.m.	6	0	2	3	2	2	6	21	2.4
2 to 3 a.m.	11	1	1	1	1	3	4	22	2.5
3 to 4 a.m.	1	0	0	1	1	0	3	6	0.7
4 to 5 a.m.	2	1	2	0	0	1	4	10	1.2
5 to 6 a.m.	0	0	0	0	0	1	2	3	0.3
6 to 7 a.m.	3	0	1	1	0	1	2	8	0.9
7 to 8 a.m.	3	3	1	1	2	5	4	19	2.2
8 to 9 a.m.	0	8	5	6	6	6	4	35	4.1
9 to 10 a.m.	1	5	1	4	3	2	6	22	2.5
10 to 11 a.m.	4	3	4	3	7	10	5	36	4.2
11 to 12 a.m.	2	10	12	4	8	6	5	47	5.4
12 to 1 p.m.	8	11	11	9	8	6	9	62	7.2
1 to 2 p.m.	6	7	8	10	6	10	6	53	6.1
2 to 3 p.m.	7	7	8	8	3	8	10	51	5.9
3 to 4 p.m.	8	7	8	9	8	8	10	58	6.7
4 to 5 p.m.	5	10	4	11	12	6	9	57	6.6
5 to 6 p.m.	6	8	11	8	7	13	14	67	7.8
6 to 7 p.m.	4	5	3	7	4	12	9	44	5.1
7 to 8 p.m.	2	8	5	7	6	4	9	41	4.7
8 to 9 p.m.	6	2	5	3	9	9	5	39	4.5
9 to 10 p.m.	7	8	3	7	2	3	5	35	4.1
10 to 11 p.m.	3	2	4	3	4	7	9	32	3.7
11 to 12 p.m.	11	4	4	4	3	5	12	43	5.0
Not Stated	5	2	0	1	10	6	5	29	3.4
Total	116	118	106	112	113	137	162	864	
%	13.4	13.7	12.3	13.0	13.1	15.9	18.8	100.0	

* Excludes collisions in which Day of Week was unknown.

Major Contributing Factors – Section 2

Collisions by Severity Where Human Condition Was a Major Contributing Factor

Figure 2.1

Human Condition	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Fatigued, Fell Asleep	0	0	0	0	0.0
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	18	12	0	30	3.4
Under Influence - Drugs	3	0	0	3	0.3
Sudden Illness, Lost Consciousness	0	0	0	0	0.0
Other Driver Condition	0	0	0	0	0.0
Total	21	12	0	33	3.8

Collisions by Severity Where Human Action Was a Major Contributing Factor

Figure 2.2

Human Action	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Following Too Closely	31	6	0	37	4.2
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	55	34	1	90	10.2
Improper Turning or Passing	26	5	0	31	3.5
Failed to Yield Right-of-Way	58	18	2	78	8.9
Disobeyed Traffic Control/Officer	4	1	0	5	0.6
Driving on Wrong Side of Road	5	3	0	8	0.9
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	119	3	1	123	14.0
Lost Control	146	60	2	208	23.7
Other Driver Action	0	0	0	0	0.0
Total	444	130	6	580	66.0

Collisions by Severity Where Vehicle Condition Was a Major Contributing Factor

Figure 2.3

Vehicle Condition	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Defective Brakes	3	0	0	3	0.3
Defective Steering	0	0	0	0	0.0
Defective Lights	0	2	0	2	0.2
Tire Blown Out	7	1	0	8	0.9
Unsecured Load, Spilled Load	4	1	0	5	0.6
Oversized Load, Overload	2	1	0	3	0.3
Visibility Obstructed	2	1	0	3	0.3
Other Vehicle Contributing Factor	19	1	0	20	2.3
Total	37	7	0	44	5.0

Major Contributing Factors – Section 2

Collisions by Severity Where Environmental Condition Was a Major Contributing Factor

Figure 2.4

Environmental Condition	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Animal on Roadway	10	2	0	12	1.4
Road Surface or Condition	50	8	0	58	6.6
Obstruction/Debris on Road	3	1	0	4	0.5
View Obstructed, Glare, Reflection	2	2	0	4	0.5
Weather or Other Acts of God	7	4	0	11	1.3
Other Environmental Factor	0	0	0	0	0.0
Total	72	17	0	89	10.1

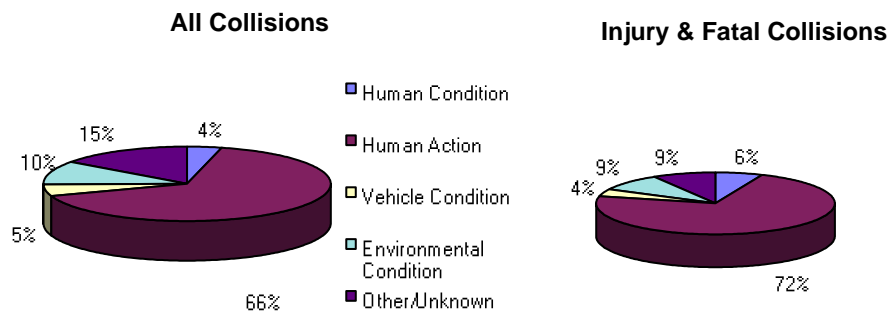
Collisions by Severity Where Major Contributing Factor Was Unspecified or Unknown

Figure 2.5

Factor	Property Damage	Personal Injury	Fatal	% of Total	
				Total	Factors
Unspecified	10	13	1	24	2.7
Unknown	107	1	1	109	12.4
Total	117	14	2	133	15.1
Total All Factors	691	180	8	879	100.0

Major Contributing Factors by Collision Severity

Figure 2.6



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

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

Major Contributing Factors – Section 2

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

Figure 2.7

Human Condition	NWT			Rural	Total	% of Total Factors
	Highways	Communities	In			
Fatigued, Fell Asleep	0	0	0	0	0	0.0
Inexperience	0	0	0	0	0	0.0
Under Influence - Alcohol	3	27	0	0	30	3.4
Under Influence - Drugs	0	3	0	0	3	0.3
Sudden Illness, Lost Consciousness	0	0	0	0	0	0.0
Other Driver Condition	0	0	0	0	0	0.0
Total	3	30	0	0	33	3.8

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

Figure 2.8

Human Action	NWT			Rural	Total	% of Total Factors
	Highways	Communities	In			
Following Too Closely	7	30	0	0	37	4.2
Distracted, Inattentive	0	0	0	0	0	0.0
Driving Too Fast for Conditions	35	53	2	0	90	10.2
Improper Turning or Passing	6	25	0	0	31	3.5
Failed to Yield Right-of-Way	6	72	0	0	78	8.9
Disobeyed Traffic Control/Officer	1	4	0	0	5	0.6
Driving on Wrong Side of Road	2	6	0	0	8	0.9
Driving in Wrong Direction	0	0	0	0	0	0.0
Backing Unsafely	4	119	0	0	123	14.0
Lost Control	122	85	1	0	208	23.7
Other Driver Action	0	0	0	0	0	0.0
Total	183	394	3	3	580	66.0

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

Figure 2.9

Vehicle Condition	NWT			Rural	Total	% of Total Factors
	Highways	Communities	In			
Defective Brakes	1	2	0	0	3	0.3
Defective Steering	0	0	0	0	0	0.0
Defective Lights	0	2	0	0	2	0.2
Tire Blown Out	7	1	0	0	8	0.9
Unsecured Load, Spilled Load	1	4	0	0	5	0.6
Oversized Load, Overload	2	1	0	0	3	0.3
Visibility Obstructed	0	3	0	0	3	0.3
Other Vehicle Contributing Factor	6	14	0	0	20	2.3
Total	17	27	0	0	44	5.0

Major Contributing Factors – Section 2

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

Figure 2.10

<u>Environmental Condition</u>	<u>NWT</u>			<u>Total</u>	<u>% of Total Factors</u>
	<u>Highways</u>	<u>In Communities</u>	<u>Rural</u>		
Animal on Roadway	12	0	0	12	1.4
Road Surface or Condition	29	28	1	58	6.6
Obstruction/Debris on Road	2	1	1	4	0.5
View Obstructed, Glare, Reflection	0	4	0	4	0.5
Weather or Other Acts of God	3	8	0	11	1.3
Other Environmental Factor	0	0	0	0	0.0
Total	46	41	2	89	10.1

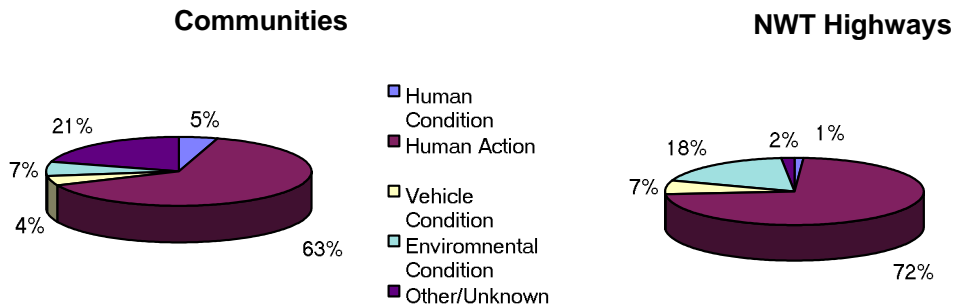
Collisions by Road System Where Major Contributing Factor Was Unspecified or Unknown

Figure 2.11

<u>Factor</u>	<u>NWT</u>			<u>Total</u>	<u>% of Total Factors</u>
	<u>Highways</u>	<u>In Communities</u>	<u>Rural</u>		
Unspecified	2	21	1	24	2.7
Unknown	2	107	0	109	12.4
Total	4	128	1	133	15.1
Total All Factors	253	620	6	879	100.0

Major Contributing Factors in Collisions - Communities and NWT Highways

Figure 2.12

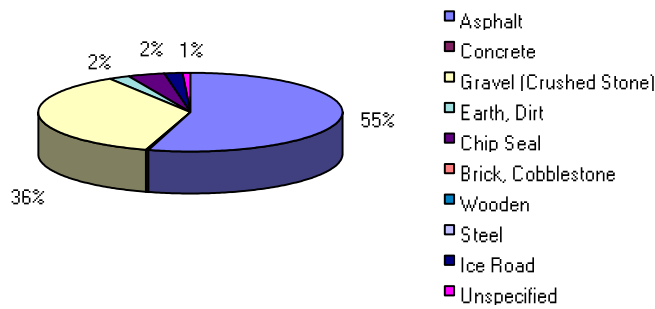


Environmental Factors – Section 3

Collisions by Road Surface Type and Severity

Figure 3.1

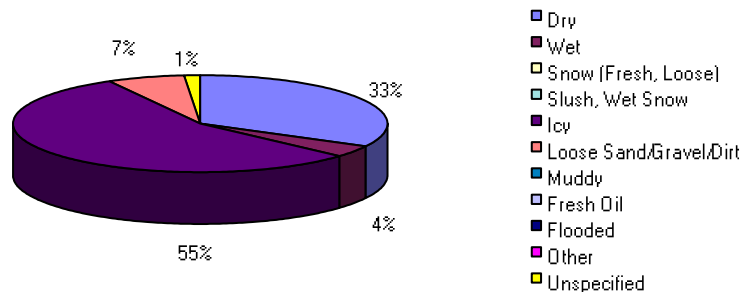
Road Surface Type	Property Damage	Personal Injury	Fatal	Total	%
Asphalt	397	78	4	479	54.5
Concrete	1	1	0	2	0.2
Gravel (Crushed Stone)	238	78	4	320	36.4
Earth, Dirt	14	5	0	19	2.2
Chip Seal	24	10	0	34	3.9
Brick, Cobblestone	0	0	0	0	0.0
Wooden	0	0	0	0	0.0
Steel	0	0	0	0	0.0
Ice Road	11	7	0	18	2.0
Unspecified	6	1	0	7	0.8
Total	691	180	8	879	100.0



Collisions by Road Surface Environmental Condition and Severity

Figure 3.2

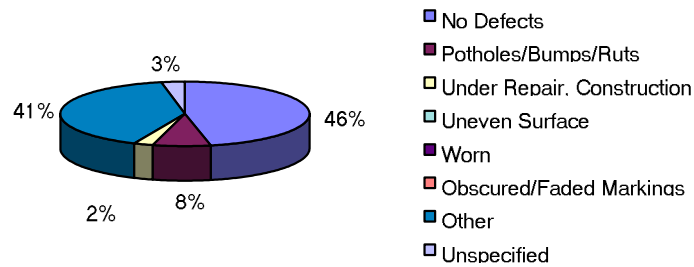
Surface Condition	Property Damage	Personal Injury	Fatal	Total	%
Dry	217	66	5	288	32.8
Wet	26	8	0	34	3.9
Snow (Fresh, Loose)	0	0	0	0	0.0
Slush, Wet Snow	0	0	0	0	0.0
Icy	395	90	2	487	55.4
Loose Sand/Gravel/Dirt	40	16	1	57	6.5
Muddy	0	0	0	0	0.0
Fresh Oil	0	0	0	0	0.0
Flooded	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unspecified	13	0	0	13	1.5
Total	691	180	8	879	100



Collisions by Road Defect and Severity

Figure 3.3

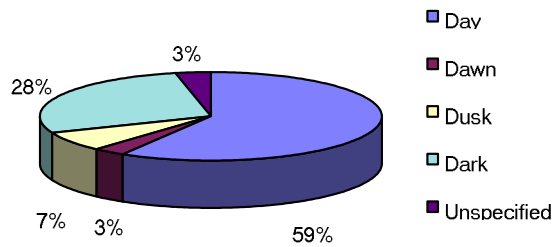
Road Defect	Property Damage	Personal Injury	Fatal	Total	%
No Defects	317	87	5	409	46.5
Potholes/Bumps/Ruts	53	14	1	68	7.7
Under Repair, Construction	12	8	0	20	2.3
Uneven Pavement Surface	0	0	0	0	0.0
Worn	0	0	0	0	0.0
Obscured or Faded Markings	0	0	0	0	0.0
Other	283	71	2	356	40.5
Unspecified	26	0	0	26	3.0
Total	691	180	8	879	100.0



Collisions by Light Condition and Severity

Figure 3.4

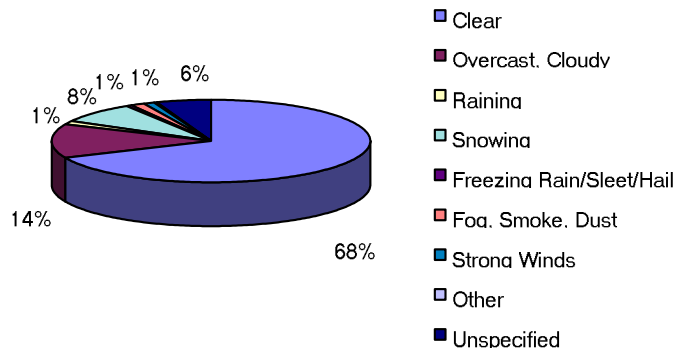
Light Condition	Property Damage	Personal Injury	Fatal	Total	%
Day	409	102	4	515	58.6
Dawn	23	4	0	27	3.1
Dusk	40	22	1	63	7.2
Dark	191	52	2	245	27.9
Unspecified	28	0	1	29	3.3
Total	691	180	8	879	100.0



Collisions by Weather Condition and Severity

Figure 3.5

Weather Condition	Property Damage	Personal Injury	Fatal	Total	%
Clear (Sunny)	462	130	8	600	68.3
Overcast, Cloudy (No Precipitation)	90	27	0	117	13.3
Raining	9	4	0	13	1.5
Snowing	60	12	0	72	8.2
Freezing Rain/Sleet/Hail	3	1	0	4	0.5
Visibility Limitations (fog, dust, etc.)	9	2	0	11	1.3
Strong Winds	8	2	0	10	1.1
Other	3	0	0	3	0.3
Unspecified	47	2	0	49	5.6
Total	691	180	8	879	100.0



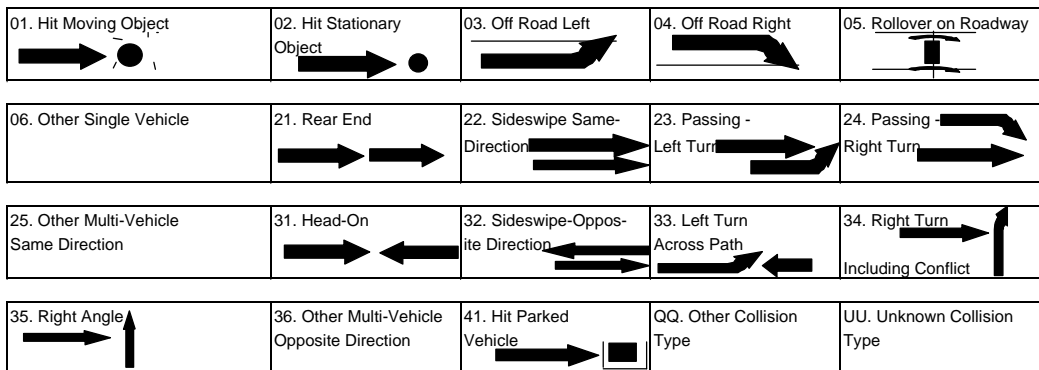
Environmental Factors – Section 3

Collisions by Configuration and Severity

Figure 3.6

Configuration*	Property Damage	Personal Injury	Fatal	Total	% of Total
01. Hit Moving Object					
a) With Animal	9	3	0	12	1.4
b) With Pedestrian	0	21	2	23	2.6
c) Other	7	0	0	7	0.8
02. Hit Stationary Object	80	7	0	87	11.7
03. Off Road Left					
a) With Rollover	18	18	1	37	4.2
b) No Rollover	17	7	0	24	2.7
04. Off Road Right					
a) With Rollover	35	43	3	81	9.2
b) No Rollover	31	13	0	44	5.0
05. Rollover on Roadway	4	5	0	9	1.0
06. Other Single Vehicle	4	1	0	5	0.6
21. Rear End	74	20	0	94	10.7
22. Sideswipe - Same Direction	6	1	0	7	0.8
23. Passing - Left Turn	9	3	0	12	1.4
24. Passing - Right Turn	2	0	0	2	0.2
25. Other Multi-Vehicle Same Direction	0	0	0	0	0.0
31. Head-On	7	6	0	13	1.5
32. Sideswipe - Opposite Direction	27	5	0	32	3.6
33. Left Turn Across Path	7	4	1	12	1.4
34. Right Turn Including Conflict	7	1	0	8	0.9
35. Right Angle	95	16	1	112	12.7
36. Other Multi-Vehicle Opposite Direction	31	2	0	33	3.8
41. Hit Parked Vehicle	221	4	0	225	25.6
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	691	180	8	879	100.0

***Collision Configurations**

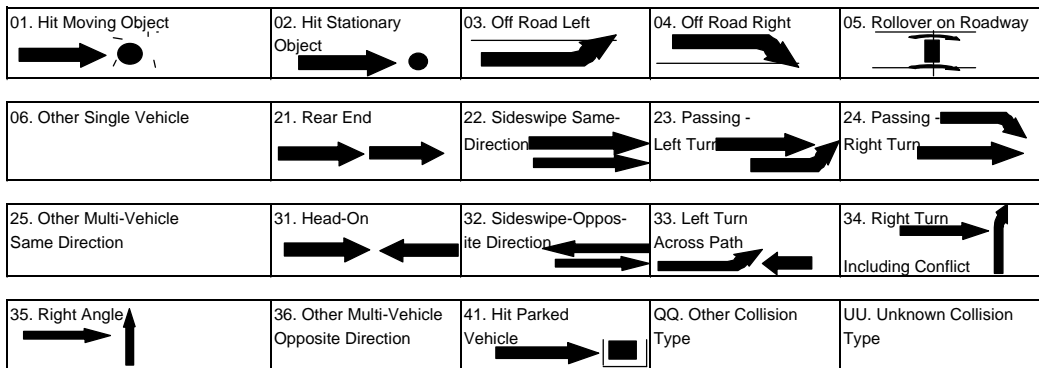


Collisions by Configuration and Road System

Figure 3.7

Configuration*	NWT Highways	In Communities	Rural	Total	% of Total
01. Hit Moving Object					
a) With Animal	11	1	0	12	1.4
b) With Pedestrian	1	22	0	23	2.6
c) Other	2	5	0	7	0.8
02. Hit Stationary Object	18	68	1	87	9.9
03. Off Road Left					
a) With Rollover	34	3	0	37	4.2
b) No Rollover	22	2	0	24	2.7
04. Off Road Right					
a) With Rollover	72	6	3	81	9.2
b) No Rollover	32	12	0	44	5.0
05. Rollover on Roadway	7	2	0	9	1.0
06. Other Single Vehicle	2	2	1	5	0.6
21. Rear End	14	80	0	94	10.7
22. Sideswipe - Same Direction	4	3	0	7	0.8
23. Passing - Left Turn	4	8	0	12	1.4
24. Passing - Right Turn	0	2	0	2	0.2
25. Other Multi-Vehicle Same Direction	0	0	0	0	0.0
31. Head-On	4	9	0	13	1.5
32. Sideswipe - Opposite Direction	12	19	1	32	3.6
33. Left Turn Across Path	2	10	0	12	1.4
34. Right Turn Including Conflict	2	6	0	8	0.9
35. Right Angle	2	110	0	112	12.7
36. Other Multi-Vehicle Opposite Direction	3	30	0	33	3.8
41. Hit Parked Vehicle	5	220	0	225	25.6
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	253	620	6	879	100.0

***Collision Configurations**



Collisions by Collision Site and Severity

Figure 3.8

Collision Site	Property Damage	Personal Injury	Fatal	Total	%
Non-Intersection	269	116	5	390	44.4
Intersection - Two Public Roadways	156	42	2	200	22.8
Intersection - Parking Lot, Driveway	117	18	1	136	15.5
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	0	0	0	0	0.0
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	0	0	0	0	0.0
Other	142	4	0	146	16.6
Unknown	7	0	0	7	0.8
Total	691	180	8	879	100.0

Collisions by Collision Site and Road System

Figure 3.9

Collision Site	NWT Highways	In Communities	Rural	Total	%
Non-Intersection	223	162	5	390	44.4
Intersection - Two Public Roadways	29	171	0	200	22.8
Intersection - Parking Lot, Driveway	1	135	0	136	15.5
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	0	0	0	0	0.0
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	0	0	0	0	0.0
Other	0	145	1	146	16.6
Unknown	0	7	0	7	0.8
Total	253	620	6	879	100.0

Collisions by Roadway Alignment and Severity

Figure 3.10

Road Alignment	Property Damage	Personal Injury	Fatal	Total	%
Straight & Level	491	104	6	601	68.4
Straight with Grade	60	13	1	74	8.4
Curved and Level	82	34	1	117	13.3
Curve with Grade	37	25	0	62	7.1
Top of Hill or Grade	12	4	0	16	1.8
Bottom of Hill or Grade	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	9	0	0	9	1.0
Total	691	180	8	879	100.0

Collisions by Roadway Type and Severity

Figure 3.11

Road Type	Property Damage	Personal Injury	Fatal	Total	%
One-Way, Two Lane	6	1	0	7	0.8
One-Way, Multi Lane	0	0	0	0	0.0
Undivided, Two-Way, Two Lane	493	167	8	668	76.0
Undivided, Two-Way, Multi Lane	0	0	0	0	0.0
Divided, Barrier Median	24	7	0	31	3.5
Divided with Median, No Barrier	3	0	0	3	0.3
Divided, Divider Unspecified	0	0	0	0	0.0
Other	159	5	0	164	18.7
Unknown	6	0	0	6	0.7
Total	691	180	8	879	100.0

Collision Sequence of Events by Severity

Figure 3.12

Non-Moving Objects	Property Damage	Personal Injury	Fatal	Total	%
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	0	0	0	0	0.0
Hit Building	11	2	0	13	1.5
Hit Ditch	2	0	0	2	0.2
Hit Embankment, Dirt Pile, Rock	12	1	0	13	1.5
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree, Bush, Hedge	4	1	0	5	0.6
Hit Utility Pole, Lamp Pole	23	2	0	25	2.8
Hit Curb	4	1	0	5	0.6
Hit Post	8	0	0	8	0.9
Hit Traffic Barrier	14	0	0	14	1.6
Hit Fixed Object Part of Road Structure	0	0	0	0	0.0
Hit Fixed Object NOT Part of Road Structure	0	0	0	0	0.0
Hit Other Type Fixed Object	0	0	0	0	0.0
Sub Total Fixed Objects	78	7	0	85	9.7
Moveable Objects					
Another Road Vehicle	486	62	2	550	62.6
Animal	9	3	0	12	1.4
Pedestrian	0	21	2	23	2.6
Other Moveable Object	7	0	0	7	0.8
Sub Total Moveable Objects	502	86	4	592	67.3
Non-Collision Events					
Ran Off Road	48	20	0	68	7.7
Rollover	57	66	4	127	14.4
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	0	0	0	0	0.0
Submersion	0	0	0	0	0.0
Other Non-Collision Event	0	1	0	1	0.1
Sub Total Non-Collision Events	109	87	4	200	22.8
Other/Unknown Event	2	0	0	2	0.2
Grand Total	691	180	8	879	100.0

Collision Sequence of Events by Road System

Figure 3.13

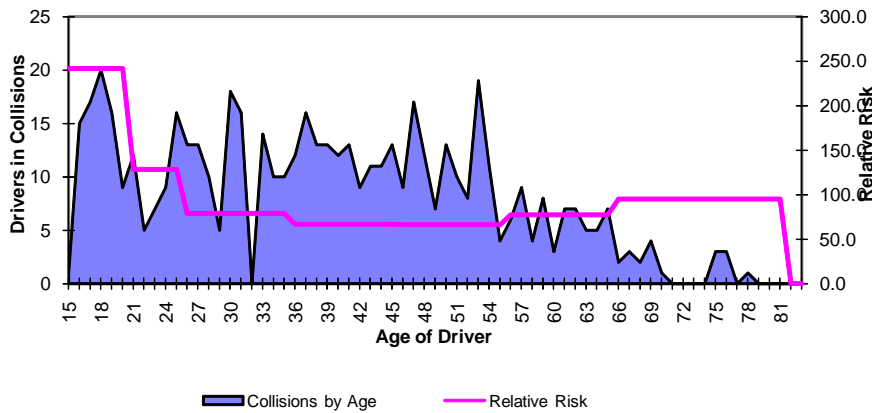
	NWT			Total	%
	Highways	In Communities	Rural		
Non-Moving Objects					
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	0	0	0	0	0.0
Hit Building	0	13	0	13	1.5
Hit Ditch	1	1	0	2	0.2
Hit Embankment, Dirt Pile, Rock	10	3	0	13	1.5
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree, Bush, Hedge	0	4	1	5	0.6
Hit Utility Pole, Lamp Pole	4	21	0	25	2.8
Hit Curb	0	5	0	5	0.6
Hit Post	2	6	0	8	0.9
Hit Traffic Barrier	0	14	0	14	1.6
Hit Fixed Object Part of Road Structure	0	0	0	0	0.0
Hit Fixed Object NOT Part of Road Structure	0	0	0	0	0.0
Hit Other Type Fixed Object	0	0	0	0	0.0
Sub Total Fixed Objects	17	67	1	85	9.7
Moveable Objects					
Another Road Vehicle	52	497	1	550	62.6
Animal	11	1	0	12	1.4
Pedestrian	1	22	0	23	2.6
Other Moveable Object	2	5	0	7	0.8
Sub Total Moveable Objects	66	525	1	592	67.3
Non-Collision Events					
Ran Off Road	54	14	0	68	7.7
Rollover	113	11	3	127	14.4
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	2	2	0	4	0.5
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	1	1	0.1
Sub Total Non-Collision Events	169	27	4	200	22.8
Unknown Event	1	1	0	2	0.2
Grand Total	253	620	6	879	100.0

Licensed Drivers and Drivers in Collisions by Driver Age

Figure 4.1

	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	22	545	1,362	4,665	3,557	1,541	698	189	0	12,579
Drivers in Collisions	16	121	175	369	238	102	54	18	125	1,218

Drivers in Collisions and Relative Risk by Driver Age



Collision Rates (Collisions Per 1,000 Licensed Drivers) by Severity and Driver Age

Figure 4.2

	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	165.8	101.3	60.7	54.3	53.2	54.4	79.4	76.7
Personal Injury & Fatal	75.8	27.2	18.4	12.7	13.0	22.9	15.9	20.1
Total	241.6	128.5	79.1	66.9	66.2	77.4	95.2	96.8
Relative Risk*	2.5	1.3	0.8	0.7	0.7	0.8	1.0	1.0

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

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

Figure 5.1 shows that the relative risk of drivers between the ages of 15 and 19 are 2.5 times more likely to be involved in a collision than the average driving population. On average, 24% of 15 to 19 year olds were involved in collisions, compared to 7% 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.

Figure 4.3
Number of Drivers Involved in Collisions by Licence Class and Age

Age Group	Class							Total
	1	2	3	4	5	6	7	
Under 16	0	0	0	0	0	0	10	16
16	0	0	0	0	14	3	2	23
17	0	0	0	0	26	0	1	28
18	0	0	0	0	28	1	3	38
19	0	0	1	1	22	0	2	32
20	0	0	1	0	31	1	3	39
21-24	11	0	5	5	96	2	5	136
25-34	40	4	23	28	237	11	5	369
35-44	39	4	10	26	146	1	6	238
45-54	10	3	7	12	67	1	1	102
55-64	8	0	1	4	40	1	0	54
65 and over	3	0	1	1	10	0	1	18
Not Stated	0	0	0	1	3	0	2	125
Drivers in Collisions	111	11	49	78	720	21	12	44
Total Licensed Drivers	885	115	498	484	10,086	9	502	N/A
Relative Risk*	1.30	0.99	1.02	1.66	0.74	24.10	0.25	N/A

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

Figure 4.4
Number of Drivers Involved in Collisions by Condition and Age

Driver Condition	Age Group																Total	%
	< 16	16	17	18	19	20	21-24	25-34	35-44	45-54	55-64	65+	Not Stated					
Apparently Normal	14	19	25	35	25	31	106	315	213	89	47	17	7	943	77.4			
Fatigued, Fell Asleep	0	1	0	0	0	0	0	1	1	0	0	0	0	3	0.2			
Inexperience	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0			
Under Influence - Alcohol	1	1	1	3	5	4	23	33	14	7	5	0	4	101	8.3			
Under Influence - Drugs	0	0	0	0	0	0	0	1	2	0	0	0	0	3	0.2			
Sudden Illness, Lost Consciousness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0			
Other Condition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0			
Unknown	1	2	2	0	2	4	7	19	8	6	2	1	114	168	13.8			
Total	16	23	28	38	32	39	136	369	238	102	54	18	125	1,218				
%	1.3	1.9	2.3	3.1	2.6	3.2	11.2	30.3	19.5	8.4	4.4	1.5	10.3		100.0			

Driver Factors – Section 4

Number of Drivers Involved in Collisions by Driver Action and Age

Figure 4.5

Driver Action	<16	16	17	18	19	20	21-24	25-34	35-44	45-54	55-64	65+	Not Stated	Total	%
Driving Properly	0	7	7	13	6	7	41	121	91	36	23	4	3	359	29.6
Following Too Closely	0	2	1	2	1	3	6	19	6	4	0	0	2	46	3.8
Distracted, Inattentive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Driving Too Fast	1	4	5	6	6	4	15	35	18	6	2	1	4	107	8.8
Improper Turning or Passing	1	1	1	3	1	0	1	14	10	2	1	0	0	35	2.9
Failing to Yield Right of Way	7	1	2	4	1	4	12	14	25	12	4	2	2	90	7.4
Disobeying Traffic Control/Officer	2	0	0	0	0	0	1	2	0	0	1	0	0	6	0.5
Driving on Wrong Side of Road	0	0	0	0	1	0	3	1	2	3	0	1	0	11	0.9
Driving in Wrong Direction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Backing Unsafely	0	0	4	3	9	7	15	45	25	13	6	3	7	137	11.3
Lost Control	4	6	7	6	6	13	39	107	57	22	16	5	5	293	24.2
Other Driver Action	1	2	1	1	1	0	2	6	2	2	0	1	0	19	1.6
Unknown	0	0	0	0	0	1	0	3	1	2	0	1	102	110	9.1
Total	16	23	28	38	32	39	135	367	237	102	53	18	125	1,213	
%	1.3	1.9	2.3	3.1	2.6	3.2	11.1	30.3	19.5	8.4	4.4	1.5	10.3		100.0

Number of Vehicles in Collisions by Vehicle Type and Severity

Figure 5.1

Vehicle Type	Property Damage	Personal Injury	Fatal	Total	%
Passenger Car	441	77	1	519	35.8
Passenger Van	79	20	0	99	6.8
Light Utility Vehicle	0	0	0	0	0.0
Pickup Truck	501	98	6	605	41.8
Panel/Cargo Van	0	0	0	0	0.0
Other Truck/Van <= 4536 kg	0	0	0	0	0.0
Unit Truck > 4536 kg	27	1	0	28	1.9
Road Tractor	36	14	1	51	3.5
School Bus	0	0	0	0	0.0
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	1	0	0	1	0.1
Motorcycle	2	6	1	9	0.6
Limited Speed Motorcycle	0	0	0	0	0.0
Off Road Vehicles (ATV)	0	1	0	1	0.1
Bicycle	1	11	0	12	0.8
Motor Home	0	0	0	0	0.0
Farm Equipment	0	0	0	0	0.0
Construction Equipment	5	0	0	5	0.3
Fire Engine	0	0	0	0	0.0
Snowmobile	4	16	1	21	1.4
Streetcar	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	98	0	0	98	6.8
Total	1195	244	10	1449	100.0

Number of Vehicles in Collisions by Vehicle Condition and Severity

Figure 5.2

Vehicle Condition	Property Damage	Personal Injury	Fatal	Total	%
No Apparent Defect	1004	225	8	1237	85.4
Defective Brakes	4	0	0	4	0.3
Defective Steering	0	1	0	1	0.1
Defective Lighting	3	3	0	6	0.4
Tire Blown Out	10	3	0	13	0.9
Unsecured Load, Spilled Load	0	0	0	0	0.0
Oversized Load, Overload	2	1	0	3	0.2
Visibility Obstructed	14	1	0	15	1.0
Other Defective Vehicular Parts	25	4	0	29	2.0
Other Vehicular Factor	0	0	0	0	0.0
Unknown	133	6	2	141	9.7
Total	1195	244	10	1449	100.0

Number of Vehicles in Collisions by Vehicle Manoeuvre and Severity

Figure 5.3

Vehicle Manoeuvre	Property Damage	Personal Injury	Fatal	Total	%
Going Straight Ahead	484	183	7	674	46.5
Turning Left	72	12	1	85	5.9
Turning Right	49	6	0	55	3.8
Making U-Turn	4	0	0	4	0.3
Changing Lanes	7	1	0	8	0.6
Merging	1	0	0	1	0.1
Reversing	131	3	1	135	9.3
Overtaking	13	3	0	16	1.1
Negotiating Curve	0	0	0	0	0.0
Slowing or Stopped in Traffic	68	26	0	94	6.5
Starting in Traffic	5	0	0	5	0.3
Leaving Roadside	7	0	0	7	0.5
Stopped/Parked Legally	225	4	0	229	15.8
Stopped/Parked Illegally	9	0	0	9	0.6
Swerving to Avoid Collision	12	6	1	19	1.3
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	97	0	0	97	6.7
Total	1195	244	10	1449	100.0

Number of Vehicles in Collisions by Vehicle Year and Severity

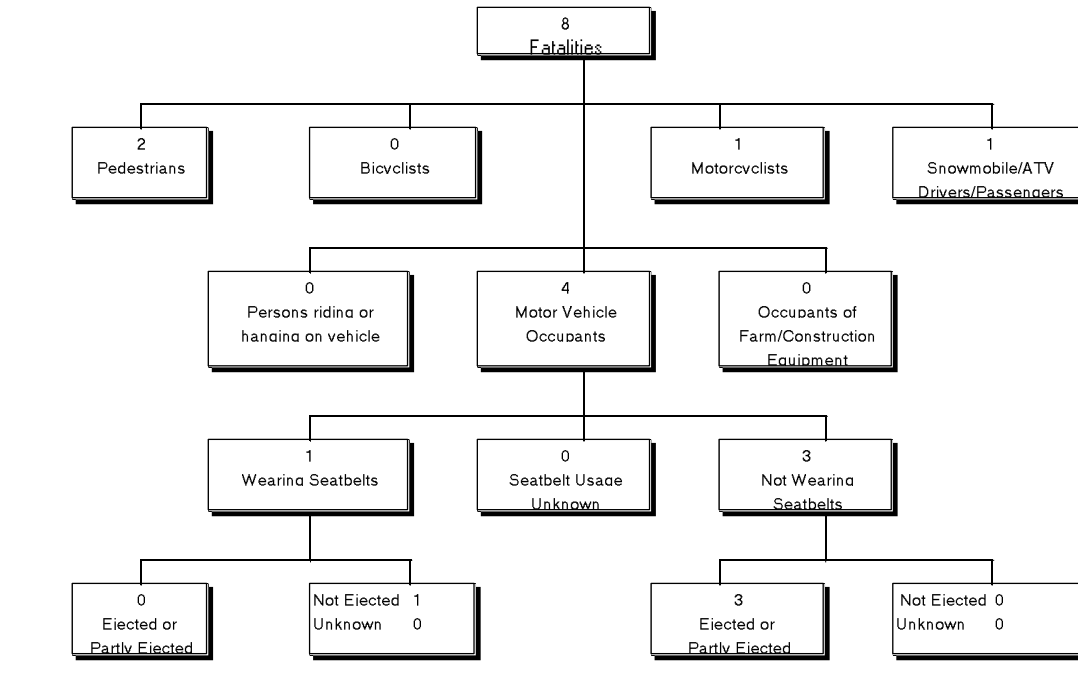
Figure 5.4

Model Year	Property Damage	Personal Injury	Fatal	Total	%
1990	4	2	0	6	0.4
1989	98	21	2	121	8.4
1988	163	32	2	197	13.6
1987	102	24	0	126	8.7
1986	108	21	0	129	8.9
1985	113	17	1	131	9.0
1984	73	18	2	93	6.4
1983	55	11	0	66	4.6
1982	52	10	1	63	4.3
1981	75	17	2	94	6.5
1980	52	13	0	65	4.5
1979	42	12	0	54	3.7
1978 & Older	135	26	0	161	11.1
Unspecified	123	20	0	143	9.9
Total	1195	244	10	1449	100.0

Victims and Occupant Restraints – Section 6

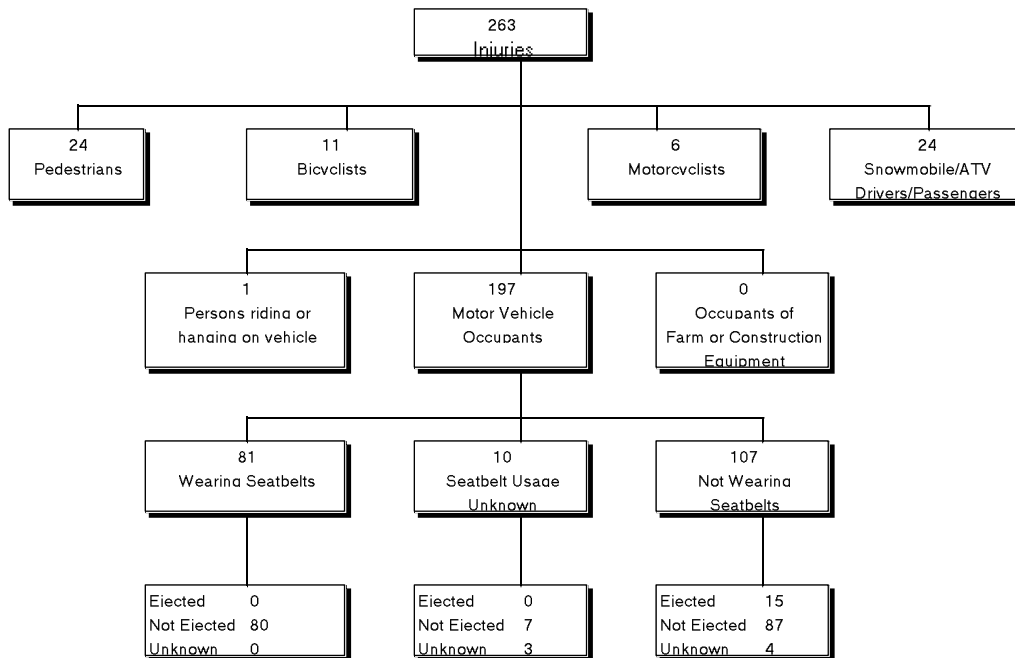
Fatalities Classification
(January 1 to December 31, 1989)

Figure 6.1



Injuries Classification
(January 1 to December 31, 1989)

Figure 6.2



Victims and Occupant Restraints – Section 6

Persons Injured by Road User Class and Age Group

Figure 6.3

Road User Class	0	5	15	20	25	35	45	55	65	Not	Total	%
	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older	Stated		
Motor Vehicle Driver	0	0	9	16	43	25	11	8	2	0	114	43.3
Motor Vehicle Passenger	4	7	14	18	13	10	4	3	0	11	84	31.9
Pedestrian	2	7	2	4	3	3	0	0	2	1	24	9.1
Bicyclist	1	5	2	1	2	0	0	0	0	0	11	4.2
Motorcyclist (includes passengers)	0	0	2	2	2	0	0	0	0	0	6	2.3
ATV Operators & Passengers	0	1	0	0	0	0	0	0	0	0	1	0.4
Snowmobile Operators & Passengers	0	3	7	7	2	2	0	0	1	1	23	8.7
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	7	23	36	48	65	40	15	11	5	13	263	100.0

Persons Killed by Road User Class and Age Group

Figure 6.4

Road User Class	0	5	15	20	25	35	45	55	65	Not	Total	%
	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older	Stated		
Motor Vehicle Driver	0	0	0	1	0	1	0	1	0	0	3	37.5
Motor Vehicle Passenger	0	0	0	0	1	0	0	0	0	0	1	12.5
Pedestrian	1	0	0	0	0	0	1	0	0	0	2	25.0
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0.0
Motorcyclist (includes passengers)	0	0	1	0	0	0	0	0	0	0	1	12.5
ATV Operators & Passengers	0	0	0	0	0	0	0	0	0	0	0	0.0
Snowmobile Operators & Passengers	0	0	1	0	0	0	0	0	0	0	1	12.5
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	1	1	1	1	1	0	0	8	100.0

Persons Injured or Killed by Road User Class and Gender

Figure 6.5

Road User Class	Persons Injured				Person Killed			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total
Motor Vehicle Driver	83	31	0	114	3	0	0	3
Motor Vehicle Passenger	42	41	1	84	1	0	0	1
Pedestrian	9	15	0	24	1	1	0	2
Bicyclist	8	3	0	11	0	0	0	0
Motorcyclist (includes passengers)	5	1	0	6	1	0	0	1
ATV Operators & Passengers	0	1	0	1	0	0	0	0
Snowmobile Operators & Passengers	14	8	1	23	1	0	0	1
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	161	100	2	263	7	1	0	8

Victims and Occupant Restraints – Section 6

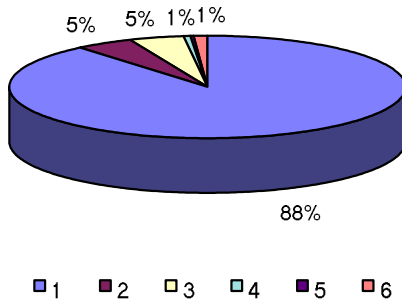
Motor Vehicle* Occupants by Injury Severity and Restraint Use

Figure 6.6

Injury Severity	Not Restrained	Lap Belt Only	Lap & Torso Belt	Child Restraint Device	Restraint Use Unknown	Total	
						Total	%
Not Injured	420	72	590	0	481	1563	88.6
Minimal Injuries	41	5	29	0	2	77	4.4
Minor Injuries	53	4	30	0	4	91	5.2
Major (Hospital Admission)	13	0	4	0	1	18	1.0
Fatal	3	0	1	0	0	4	0.2
Injured - Extent Unknown	0	0	9	0	3	12	0.7
Total	530	81	663	0	491	1765	100.0

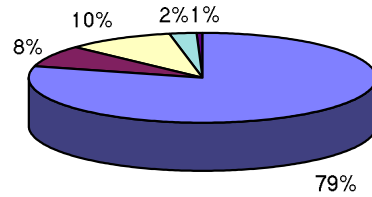
* Excludes occupants of motorcycles, mopeds, snowmobiles, all-terrain vehicles, and farm/construction equipment

Restraints Used



Restraints Not Used

Figure 6.7



■ 1 ■ 2 ■ 3 ■ 4 ■ 5 ■ 6

1. Not Injured

2. Minor

3. Major

4. Minor

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".

Victims and Occupant Restraints – Section 6

Motor Vehicle* Occupants by Injury Severity & Age Group

Figure 6.8

Restraints Used

Injury Severity	0	5	15	20	25	35	45	55	65	Not	Total
	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older	Stated	
Not Injured	10	25	83	89	194	139	61	26	12	23	662
Minimal Injuries	0	1	3	5	13	5	6	1	0	0	34
Minor Injuries	1	1	4	7	10	7	0	2	0	2	34
Major (Hospital Admission)	0	0	0	0	2	1	1	0	0	0	4
Fatal	0	0	0	0	0	1	0	0	0	0	1
Injured - Extent Unknown	0	0	2	1	3	2	0	1	0	0	9
Total	11	27	92	102	222	155	68	30	12	25	744

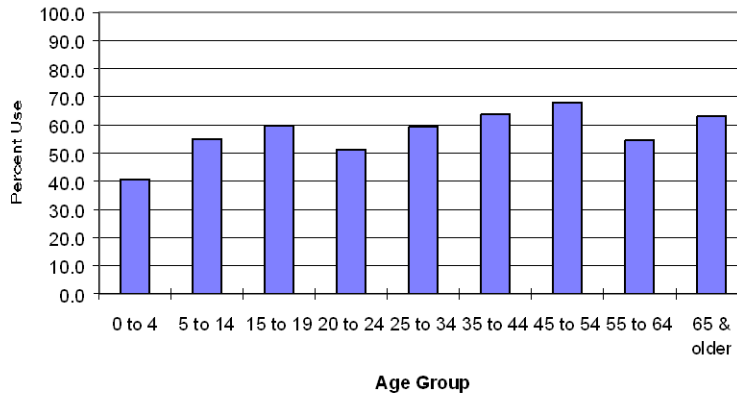
Restraints Not Used

Injury Severity	0	5	15	20	25	35	45	55	65	Not	Total
	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older	Stated	
Not Injured	13	17	48	76	126	72	24	18	5	21	420
Minimal Injuries	1	2	2	3	13	7	4	3	0	6	41
Minor Injuries	2	3	8	14	10	9	3	2	1	1	53
Major (Hospital Admission)	0	0	4	3	2	0	1	1	1	1	13
Fatal	0	0	0	1	1	0	0	1	0	0	3
Injured - Extent Unknown	0	0	0	0	0	0	0	0	0	0	0
Total	16	22	62	97	152	88	32	25	7	29	530

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

Victim Restraint Use Rate by Victim Age

Figure 6.9



Pedestrians – Section 7

Pedestrians Injured or Killed by Age Group

Figure 7.1

	Age Group										Not Stated	Total	%
	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older				
Injured	2	7	2	4	3	3	0	0	2	1	24	92.3	
Killed	1	0	0	0	0	0	1	0	0	0	2	7.7	
Total	3	7	2	4	3	3	1	0	2	1	26		
%	11.5	26.9	7.7	15.4	11.5	11.5	3.8	0.0	7.7	3.8	100.0	100.0	

Pedestrians Injured or Killed by Pedestrian Action and Age Group

Figure 7.2

Pedestrian Action	Age Group										Not Stated	Total	%
	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older				
Crossing Intersection With Traffic Control. With Right-of-Way	0	1	0	0	0	1	0	0	0	0	2	7.7	
Crossing Intersection With Traffic Control. Without Right-of-Way	0	0	0	0	0	0	0	0	0	0	0	0.0	
Crossing Intersection - No Traffic Control	0	0	0	0	0	0	0	0	0	0	0	0.0	
Crossing Roadway at Crosswalk	0	1	0	1	0	1	0	0	0	1	4	15.4	
Crossing Roadway Not at Intersection	0	1	0	0	0	0	0	0	0	0	1	3.8	
Walking Along Roadway Against Traffic	0	0	0	0	0	0	0	0	0	0	0	0.0	
Walking Along Roadway With Traffic	0	1	0	2	1	1	0	0	1	0	6	23.1	
On Sidewalk, Median, Safety Zone	0	0	0	0	0	0	0	0	0	0	0	0.0	
Walking on Travelled Part of Roadway Against Traffic	0	0	0	0	0	0	0	0	0	0	0	0.0	
Walking on Travelled Part of Roadway With Traffic	0	0	0	0	0	0	0	0	0	0	0	0.0	
Coming from Behind Parked Vehicle/Object on Roadside	0	1	0	0	0	0	0	0	0	0	1	3.8	
Coming from Behind Moving Vehicle	0	0	0	0	0	0	0	0	0	0	0	0.0	
Running into Roadway	2	1	1	0	1	0	0	0	1	0	6	23.1	
Getting On/Off School Bus	0	0	0	0	0	0	0	0	0	0	0	0.0	
Getting On/Off Other Vehicles	0	0	0	0	0	0	0	0	0	0	0	0.0	
Pushing Vehicle on Road	0	0	0	0	0	0	0	0	0	0	0	0.0	
Working on Vehicle on Side of Road	0	0	0	0	0	0	0	0	0	0	0	0.0	
Playing on Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0	
Working on Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0	
Living on Road	0	0	0	0	0	0	1	0	0	0	1	3.8	
Other	1	1	1	1	1	0	0	0	0	0	5	19.2	
Unknown	0	0	0	0	0	0	0	0	0	0	0	0.0	
Total	3	7	2	4	3	3	1	0	2	1	26	100.0	

Pedestrians Injured or Killed By Place of Occurrence and Injury Severity

Figure 7.3

Place of Occurrence	Killed	Injured	Total	%
Urban	2	24	26	100.0
Rural	0	0	0	0.0
Unspecified	0	0	0	0.0
Total	2	24	26	100.0

Pedestrians Injured or Killed by Accident Site

Figure 7.4

Accident Site	Killed	Injured	Total	%
Non-Intersection	1	12	13	50.0
At Intersection of At Least Two Roadways	0	7	7	26.9
Intersection With Parking Lot/Driveway/Alley	1	4	5	19.2
Railroad Level Crossing	0	0	0	0.0
Bridge/Overpass/Viaduct	0	0	0	0.0
Tunnel or Underpass	0	0	0	0.0
Passing Lane/Climbing Lane	0	0	0	0.0
Other	0	1	1	3.8
Unspecified	0	0	0	0.0
Total	2	24	26	100.0

Pedestrians Injured or Killed by Pedestrian Condition

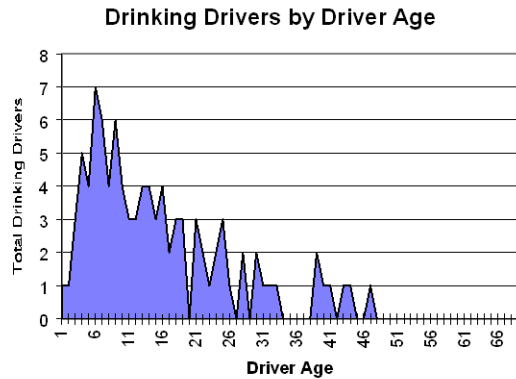
Figure 7.5

Pedestrian Condition	Killed	Injured	Total	%
Apparently Normal	2	16	18	69.2
Fatigued, Fell Asleep	0	0	0	0.0
Inexperience	0	0	0	0.0
Under Influence - Alcohol	0	6	6	23.1
Under Influence - Drugs	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0.0
Other Condition	0	1	1	3.8
Unknown	0	1	1	3.8
Total	2	24	26	100.0

Drinking Drivers in Collisions by Driver Age and Gender

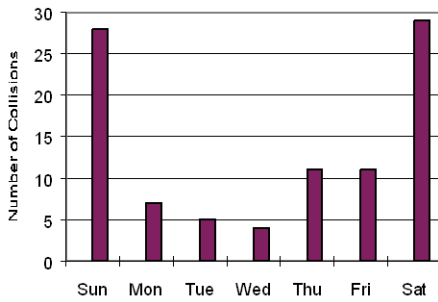
Figure 8.1

Driver Age	Male	Female	Not Stated	Total Drinking Drivers
Under 16	1	0	0	1
16	0	1	0	1
17	0	1	0	1
18	3	0	0	3
19	5	0	0	5
20	4	0	0	4
21 to 24	20	3	0	23
25 to 34	30	3	0	33
35 to 44	11	3	0	14
45 to 54	5	2	0	7
55 to 64	5	0	0	5
65 & Older	0	0	0	0
Not Stated	1	0	3	4
Total	85	13	3	101



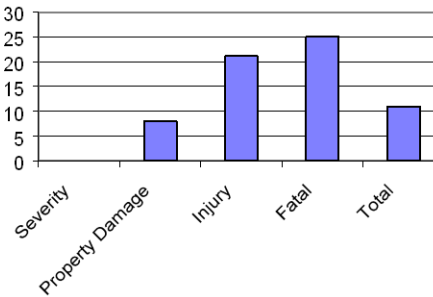
Collisions Involving Alcohol by Day of Week

Figure 8.2



Percentage of Collisions Involving Alcohol by Year and Severity

Figure 8.3



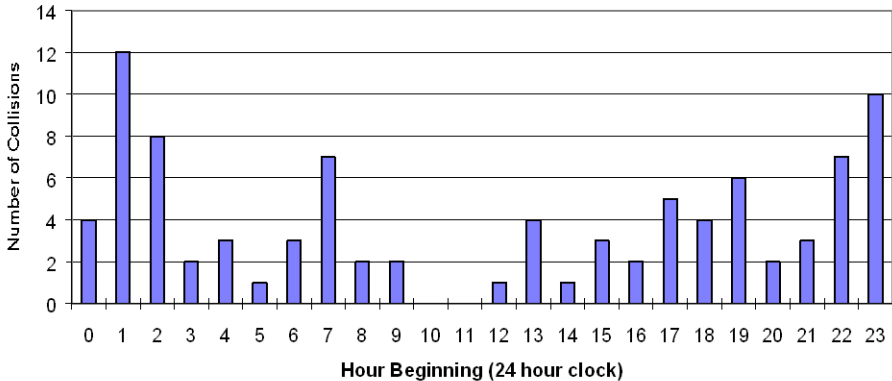
Number of Collisions and Victims Involving Alcohol

Figure 8.4

Year	Number of Collisions				% of Total Collisions	Number of Victims			
	Property Damage	Personal Injury	Fatal	Total		Injured	Killed	Total	% of Total Victims
1989	56	38	2	96	10.9	63	2	65	24.0

Number of Alcohol Related Collisions by Time of Day

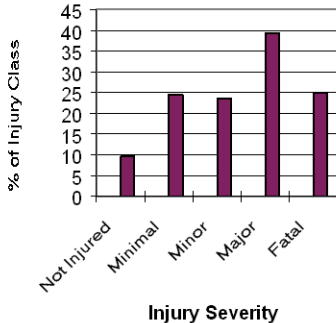
Figure 8.5



Injury Severity by Alcohol Involvement

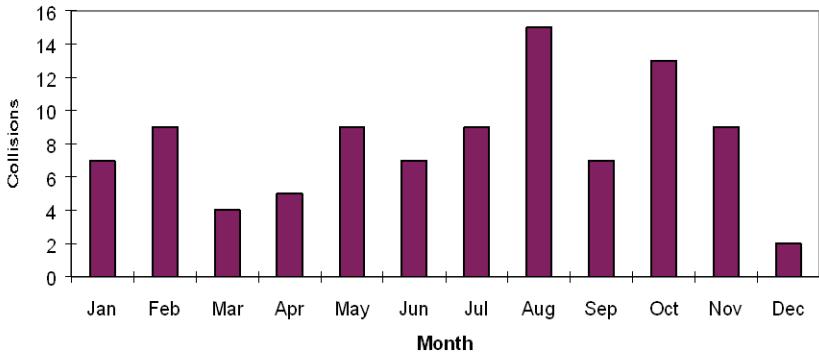
Figure 8.6

Injury Severity	Alcohol Involvement		Totals	% with Alcohol
	Yes	No		
Not Injured	151	1,427	1578	9.6
Minimal Injuries	25	77	102	24.5
Minor	27	87	114	23.7
Major	11	17	28	39.3
Fatal	2	6	8	25.0
Injured - Extent Unknown	0	19	19	0.0
Total	216	1633	1849	11.7



Alcohol-Involved Collisions by Month

Figure 8.7



Off-Road Vehicle Collisions by Month and Severity

Figure 9.1

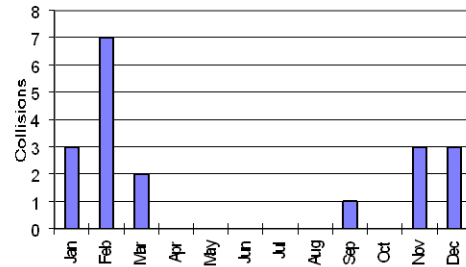
Month	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	0	3	0	3	8	0
February	1	6	0	7	12	0
March	0	2	0	2	4	0
April	0	0	0	0	0	0
May	0	0	0	0	0	0
June	0	0	0	0	0	0
July	0	0	0	0	0	0
August	0	0	0	0	0	0
September	0	1	0	1	1	0
October	0	0	0	0	0	0
November	1	1	1	3	2	1
December	2	1	0	3	2	0
Total	4	14	1	19	29	1

Off-Road Vehicle Collisions by Vehicle Type

Figure 9.2

	Snowmobile	ATV	Total
Total Victims	24	1	25
Killed	1	0	1
Injured	23	1	24
Total Vehicles Involved	21	1	22
Fatal	1	0	1
Injury	16	1	17
Property Damage	4	0	4

Off-Road Vehicle Collisions by Month



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

Figure 9.3

Age Group	Snowmobile			ATV			Total	%
	Male	Female	Unknown	Male	Female	Unknown		
0 to 4	0	0	0	0	0	0	0	0.0
5 to 14	1	0	0	0	1	0	2	10.0
15 to 19	8	0	0	0	0	0	8	40.0
20 to 24	3	2	0	0	0	0	5	25.0
25 to 34	2	1	0	0	0	0	3	15.0
35 to 44	1	0	0	0	0	0	1	5.0
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	1	0	0	0	0	0	1	5.0
Unknown	0	0	0	0	0	0	0	0.0
Total	16	3	0	0	1	0	20	100.0

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

Figure 9.4

Driver Condition	Property Damage	Personal Injury	Fatal	Total	%
Apparently Normal	1	9	1	11	55.0
Fatigue/Fell Asleep	0	0	0	0	0.0
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	0	7	0	7	35.0
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0	0.0
Other Condition	0	0	0	0	0.0
Unknown	1	1	0	2	10.0
Total	2	17	1	20	100.0

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

Figure 9.5

Driver Action	Property Damage	Personal Injury	Fatal	Total	%
Driving Properly	0	3	0	3	15.0
Following Too Closely	0	0	0	0	0.0
Distracted, Inattentive	0	0	0	0	0.0
Driving Too Fast for Conditions	0	6	1	7	35.0
Improper Turning or Passing	0	0	0	0	0.0
Failed to Yield Right-of-Way	1	3	0	4	20.0
Disobeyed Traffic Control or Officer	0	1	0	1	5.0
Driving on Wrong Side of Road	0	0	0	0	0.0
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	0	0	0	0.0
Lost Control	1	2	0	3	15.0
Other	0	2	0	2	10.0
Unknown	0	0	0	0	0.0
Total	2	17	1	20	100.0

Off-Road Vehicle Occupants by Injury Severity and Helmet Use

Figure 9.6

Injury Severity	Helmet Worn	Helmet Not Worn	Unknown	Total	%
Not Injured	0	6	1	7	21.9
Minimal Injuries	2	10	2	14	43.8
Minor Injuries	0	2	0	2	6.3
Major (Hospital Admission)	0	5	1	6	18.8
Fatal	0	1	0	1	3.1
Injured - Extent Unknown	0	0	2	2	6.3
Total	2	24	6	32	100.0

Collisions by Region, RCMP Detachment and Severity

Figure 10.1

A - Inuvik Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Aklavik	4	0	0	4	0	0
Deline	0	0	0	0	0	0
Fort Good Hope	0	0	0	0	0	0
Fort McPherson	15	5	1	21	9	1
Holman	0	0	0	0	0	0
Inuvik	58	25	1	84	36	1
Norman Wells	11	4	0	15	5	0
Sachs Harbour	2	0	0	2	0	0
Tuktoyaktuk	6	7	0	13	13	0
Tulita	2	5	0	7	6	0
Sub Total						
Inuvik Region	98	46	2	146	69	2

B - Fort Simpson Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Fort Liard	8	1	0	9	1	0
Fort Simpson	17	7	1	25	9	1
Sub Total						
Fort Simpson Region	25	8	1	34	10	1

C - South Slave Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Hay River	105	26	1	132	46	1
Fort Providence	15	14	0	29	17	0
Fort Resolution	5	4	0	9	5	0
Fort Smith	46	11	2	59	14	2
Lutsel K'e	1	1	0	2	1	0
Sub Total						
South Slave Region	172	56	3	231	83	3

D - North Slave Region

RCMP Detachment	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
Rae/Wha Ti	33	11	1	45	16	1
Yellowknife	363	59	1	423	85	1
Sub Total						
North Slave Region	396	70	2	468	101	2

Total - All Regions	691	180	8	879	263	8
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Geographic Distribution – Section 10

Collision Rates by Region and RCMP Detachment

Figure 10.2

A - Inuvik Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1989 estimate [2])	Collision Rates		
					Collisions/100 Licensed Drivers	Collisions/100 Registered Vehicles	Collisions/100 Population
Aklavik	4	124	115	843	3.23	3.48	0.47
Deline	0	0	56	588	0.00	0.00	0.00
Fort Good Hope	0	57	80	678	0.00	0.00	0.00
Fort McPherson	21	101	155	959	20.79	13.55	2.19
Uluhaktok	0	34	68	335	0.00	0.00	0.00
Inuvik	84	1,126	1,843	3,743	7.46	4.56	2.24
Norman Wells	15	235	609	693	6.38	2.46	2.16
Sachs Harbour	2	25	49	175	8.00	4.08	1.14
Tuktoyaktuk	13	171	295	1,239	7.60	4.41	1.05
Tulita	7	0	67	367	0.00	10.45	1.91
Sub Total							
Inuvik Region	146	1,873	3,337	9,620	7.79	4.38	1.52

B - Fort Simpson Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1989 estimate [2])	Collision Rates		
					Collisions/100 Licensed Drivers	Collisions/100 Registered Vehicles	Collisions/100 Population
Fort Liard	9	110	206	436	8.18	4.37	2.06
Fort Simpson	25	422	654	1,754	5.92	3.82	1.43
Sub Total							
Fort Simpson Region	34	532	860	2,190	6.39	3.95	1.55

C - South Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1989 estimate [2])	Collision Rates		
					Collisions/100 Licensed Drivers	Collisions/100 Registered Vehicles	Collisions/100 Population
Hay River	132	1,710	3,749	3,939	7.72	3.52	3.35
Fort Providence	29	123	191	649	23.58	15.18	4.47
Fort Resolution	9	129	186	494	6.98	4.84	1.82
Fort Smith	59	983	1,442	2,733	6.00	4.09	2.16
Lutsel K'e	2	1	25	314	200.00	8.00	0.64
Sub Total							
South Slave Region	231	2,946	5,593	8,129	7.84	4.13	2.84

D - North Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (1989 estimate [2])	Collision Rates		
					Collisions/100 Licensed Drivers	Collisions/100 Registered Vehicles	Collisions/100 Population
Behchoko/Whati	45	17	309	2,439	264.71	14.56	1.85
Yellowknife	423	7,211	10,158	13,126	5.87	4.16	3.22
Sub Total							
North Slave Region	468	7,228	10,467	15,565	6.47	4.47	3.01

Total - All Regions	879	12,579	20,257	37,700	6.99	4.34	2.33
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[1] Number of registered vehicles and licensed drivers are as of December 31, 1989.

[2] 1989 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 1990.

Geographic Distribution – Section 10

Collisions on the NWT Highway System

Figure 10.3

Highway #1 (Mackenzie)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed
	6.0	27-Apr-1989	Property Damage	Single Vehicle Rollover	0	0
	7.0	23-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
	8.0	18-Jul-1989	Property Damage	Collision with Fixed Object	0	0
	16.0	5-Dec-1989	Property Damage	Single Vehicle Rollover	0	0
	19.0	29-Jun-1989	Property Damage	Other Single Vehicle Collision	0	0
	25.0	21-Sep-1989	Property Damage	Animal Strike	0	0
	28.0	21-Sep-1989	Injury	Single Vehicle Rollover	1	0
	33.0	12-Jun-1989	Property Damage	Other Single Vehicle Collision	0	0
	41.0	7-Nov-1989	Injury	Other Multi-Vehicle Collision	2	0
	45.0	3-Nov-1989	Injury	Collision with Fixed Object	1	0
	52.0	17-Jul-1989	Property Damage	Other Single Vehicle Collision	0	0
	55.0	14-Mar-1989	Injury	Animal Strike	2	0
	82.8	29-Jul-1989	Fatal	Left Turn Across Path	0	1
	83.0	4-Feb-1989	Injury	Ran Off Road	2	0
	83.8	12-Jan-1989	Property Damage	Ran Off Road	0	0
	96.0	4-Aug-1989	Property Damage	Single Vehicle Rollover	0	0
	115.0	1-Dec-1989	Property Damage	Ran Off Road	0	0
	123.0	23-Feb-1989	Injury	Single Vehicle Rollover	1	0
	129.0	1-Dec-1989	Property Damage	Head-on	0	0
	135.0	17-Dec-1989	Injury	Collision with Fixed Object	1	0
	141.0	7-Apr-1989	Property Damage	Single Vehicle Rollover	0	0
	144.0	22-Mar-1989	Property Damage	Single Vehicle Rollover	0	0
	147.0	17-Mar-1989	Property Damage	Single Vehicle Rollover	0	0
	148.0	5-Apr-1989	Property Damage	Single Vehicle Rollover	0	0
	149.0	25-Oct-1989	Injury	Ran Off Road	1	0
	158.0	9-Dec-1989	Property Damage	Single Vehicle Rollover	0	0
	160.0	6-Aug-1989	Injury	Single Vehicle Rollover	1	0
	167.0	28-Jul-1989	Injury	Rear End	1	0
	170.0	18-Jan-1989	Property Damage	Single Vehicle Rollover	0	0
	174.0	20-Dec-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	175.0	17-Jan-1989	Property Damage	Single Vehicle Rollover	0	0
	184.0	5-Sep-1989	Injury	Single Vehicle Rollover	1	0
	284.0	21-Dec-1989	Property Damage	Animal Strike	0	0
	312.0	27-May-1989	Property Damage	Animal Strike	0	0
	327.0	27-Sep-1989	Property Damage	Animal Strike	0	0
	412.0	21-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
	422.0	17-Apr-1989	Property Damage	Single Vehicle Rollover	0	0
	441.0	21-Jan-1989	Property Damage	Collision with Fixed Object	0	0
	454.0	7-Mar-1989	Injury	Head-on	1	0
	458.0	26-Oct-1989	Property Damage	Collision with Fixed Object	0	0
	460.0	27-Jul-1989	Injury	Single Vehicle Rollover	2	0
	462.0	24-Jul-1989	Injury	Single Vehicle Rollover	1	0
	468.0	31-May-1989	Injury	Single Vehicle Rollover	1	0
	471.0	23-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
Summary Highway #1	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	28	15	1	44	19	1

Geographic Distribution – Section 10

Highway #2 (Hay River)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed
	17.0	16-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
	22.0	28-Aug-1989	Property Damage	Other Single Vehicle Collision	0	0
	23.0	25-Jan-1989	Injury	Animal Strike	2	0
	23.0	15-May-1989	Property Damage	Ran Off Road	0	0
	31.0	7-Feb-1989	Injury	Collision with Fixed Object	2	0
	32.0	16-Oct-1989	Property Damage	Ran Off Road	0	0
	36.0	6-Dec-1989	Injury	Single Vehicle Rollover	2	0
	37.0	30-Mar-1989	Property Damage	Collision with Fixed Object	0	0
	37.0	21-May-1989	Property Damage	Passing - Right Turn	0	0
	38.0	7-Mar-1989	Property Damage	Right Turn - Perpendicular Road	0	0
	38.0	16-Apr-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	38.0	22-Apr-1989	Property Damage	Ran Off Road	0	0
	38.0	11-Aug-1989	Injury	Sideswipe Same Direction	1	0
	38.0	22-Oct-1989	Property Damage	Right Angle	0	0
	38.0	13-Dec-1989	Property Damage	Sideswipe - Opposite Direction	0	0
	39.0	1-Oct-1989	Injury	Ran Off Road	2	0
	39.5	10-Jan-1989	Property Damage	Collision with Fixed Object	0	0
	39.5	7-Jun-1989	Property Damage	Rear End	0	0
	40.0	4-May-1989	Property Damage	Collision with Fixed Object	0	0
	40.0	20-Sep-1989	Injury	Single Vehicle Rollover	1	0
	40.0	15-Oct-1989	Property Damage	Collision with Fixed Object	0	0
	40.0	29-Oct-1989	Property Damage	Ran Off Road	0	0
	41.0	7-Feb-1989	Injury	Other Single Vehicle Collision	1	0
	41.1	6-Feb-1989	Injury	Single Vehicle Rollover	1	0
	41.1	12-Dec-1989	Injury	Other Multi-Vehicle Collision	2	0
	42.0	3-Oct-1989	Injury	Single Vehicle Rollover	2	0
	43.0	21-May-1989	Property Damage	Single Vehicle Rollover	0	0
	43.4	20-Jan-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	45.5	7-Aug-1989	Property Damage	Other Multi-Vehicle Collision	0	0

Summary Highway #2	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	19	10	0	29	16	0

Highway #3 (Yellowknife)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed
	6.0	13-Oct-1989	Injury	Single Vehicle Rollover	1	0
	8.0	5-Mar-1989	Injury	Single Vehicle Rollover	1	0
	20.0	10-Jun-1989	Injury	Ran Off Road	1	0
	31.0	11-Aug-1989	Property Damage	Collision with Fixed Object	0	0
	43.0	11-Oct-1989	Property Damage	Animal Strike	0	0
	62.0	6-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
	70.0	26-Oct-1989	Property Damage	Animal Strike	0	0
	73.0	24-Mar-1989	Property Damage	Other Single Vehicle Collision	0	0
	90.0	27-Oct-1989	Injury	Single Vehicle Rollover	1	0
	91.0	5-Sep-1989	Property Damage	Single Vehicle Rollover	0	0
	92.0	26-Jul-1989	Property Damage	Single Vehicle Rollover	0	0
	96.0	16-Oct-1989	Property Damage	Animal Strike	0	0
	102.0	14-Aug-1989	Injury	Single Vehicle Rollover	2	0
	105.0	11-Nov-1989	Injury	Single Vehicle Rollover	2	0
	118.0	27-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
	122.0	26-May-1989	Injury	Other Multi-Vehicle Collision	2	0
	123.0	24-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
	143.0	17-Jul-1989	Property Damage	Collision with Fixed Object	0	0
	168.0	6-May-1989	Injury	Single Vehicle Rollover	1	0
	184.0	15-Jul-1989	Injury	Sideswipe - Opposite Direction	3	0
	186.0	1-Sep-1989	Property Damage	Single Vehicle Rollover	0	0
	187.0	1-Aug-1989	Injury	Single Vehicle Rollover	1	0
	200.0	4-Mar-1989	Property Damage	Ran Off Road	0	0
	213.0	17-Aug-1989	Property Damage	Ran Off Road	0	0

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223.0	4-Sep-1989	Property Damage	Single Vehicle Rollover	0	0
230.0	11-Oct-1989	Property Damage	Collision with Fixed Object	0	0
240.0	6-Mar-1989	Property Damage	Single Vehicle Rollover	0	0
247.0	27-Aug-1989	Property Damage	Other Multi-Vehicle Collision	0	0
248.0	8-Aug-1989	Property Damage	Collision with Fixed Object	0	0
249.0	5-Aug-1989	Property Damage	Rear End	0	0
253.0	17-Jul-1989	Injury	Single Vehicle Rollover	2	0
257.0	3-Jun-1989	Fatal	Single Vehicle Rollover	0	1
259.0	20-Dec-1989	Property Damage	Other Multi-Vehicle Collision	0	0
261.0	10-Aug-1989	Injury	Single Vehicle Rollover	1	0
263.0	28-Jul-1989	Injury	Rear End	1	0
263.0	14-Aug-1989	Property Damage	Ran Off Road	0	0
272.0	28-Aug-1989	Injury	Single Vehicle Rollover	1	0
273.0	23-Aug-1989	Property Damage	Ran Off Road	0	0
288.0	19-Jun-1989	Property Damage	Ran Off Road	0	0
290.0	12-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
291.0	9-Aug-1989	Injury	Single Vehicle Rollover	1	0
298.0	20-Jul-1989	Property Damage	Single Vehicle Rollover	0	0
303.0	5-Oct-1989	Injury	Single Vehicle Rollover	1	0
306.0	8-Jun-1989	Property Damage	Sideswipe - Opposite Direction	0	0
307.0	5-Apr-1989	Property Damage	Single Vehicle Rollover	0	0
308.0	15-Apr-1989	Property Damage	Ran Off Road	0	0
310.0	12-Oct-1989	Injury	Single Vehicle Rollover	1	0
313.0	8-Jul-1989	Injury	Collision with Fixed Object	1	0
318.0	8-Aug-1989	Property Damage	Collision with Fixed Object	0	0
318.0	15-Aug-1989	Property Damage	Rear End	0	0
325.0	6-Jul-1989	Property Damage	Single Vehicle Rollover	0	0
327.0	24-Dec-1989	Property Damage	Collision with Parked Vehicle	0	0
333.0	12-Oct-1989	Property Damage	Collision with Fixed Object	0	0
335.0	2-Jan-1989	Property Damage	Collision with Fixed Object	0	0
335.0	7-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
335.0	21-Dec-1989	Fatal	Collision with Pedestrian	0	1
336.0	16-Jan-1989	Property Damage	Ran Off Road	0	0
336.0	29-Jul-1989	Injury	Passing - Right Turn	1	0
336.7	11-Mar-1989	Property Damage	Head-on	0	0
336.7	31-Mar-1989	Injury	Left Turn Across Path	2	0
338.0	19-Feb-1989	Property Damage	Collision with Fixed Object	0	0
338.0	24-Jul-1989	Injury	Collision with Fixed Object	1	0
338.0	29-Dec-1989	Property Damage	Sideswipe - Opposite Direction	0	0
338.8	30-Jan-1989	Property Damage	Collision with Fixed Object	0	0
338.8	20-Feb-1989	Injury	Other Single Vehicle Collision	2	0
338.8	16-Aug-1989	Property Damage	Rear End	0	0
338.8	14-Oct-1989	Property Damage	Collision with Fixed Object	0	0

Summary Highway #3	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	43	22	2	67	30	2

Highway #4 (Ingraham Trail)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	0.0	5-Jan-1989	Injury	Other Multi-Vehicle Collision	1	0
	1.0	11-Feb-1989	Property Damage	Collision with Fixed Object	0	0
	2.0	25-Jan-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	2.0	1-Oct-1989	Property Damage	Collision with Fixed Object	0	0
	2.0	3-Nov-1989	Injury	Ran Off Road	1	0
	3.1	24-Jan-1989	Property Damage	Passing - Right Turn	0	0
	4.0	3-Feb-1989	Property Damage	Rear End	0	0
	6.0	16-Mar-1989	Property Damage	Single Vehicle Rollover	0	0
	7.0	18-Oct-1989	Injury	Collision with Fixed Object	1	0
	12.0	18-May-1989	Injury	Other Multi-Vehicle Collision	1	0
	20.0	7-May-1989	Injury	Single Vehicle Rollover	2	0
	22.0	9-Feb-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	30.0	20-Feb-1989	Property Damage	Other Single Vehicle Collision	0	0
	30.0	30-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
	34.0	9-Dec-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	35.0	6-Aug-1989	Injury	Single Vehicle Rollover	4	0
	38.0	25-Jul-1989	Property Damage	Single Vehicle Rollover	0	0
	43.0	1-May-1989	Injury	Single Vehicle Rollover	3	0
	55.0	28-Feb-1989	Property Damage	Ran Off Road	0	0

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55.0	25-Jun-1989	Injury	Single Vehicle Rollover	2	0
55.0	18-Nov-1989	Property Damage	Ran Off Road	0	0
60.0	15-Aug-1989	Injury	Single Vehicle Rollover	3	0
69.0	14-Nov-1989	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
	14	9	0	23	18	0

Highway #5 (Fort Smith Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed
	3.0	18-Nov-1989	Injury	Single Vehicle Rollover	1	0
	13.0	22-Dec-1989	Property Damage	Animal Strike	0	0
	25.0	17-Nov-1989	Injury	Single Vehicle Rollover	2	0
	53.0	4-Aug-1989	Injury	Single Vehicle Rollover	4	0
	61.0	1-Nov-1989	Property Damage	Right Angle	0	0
	93.0	7-Feb-1989	Property Damage	Collision with Fixed Object	0	0
	100.0	3-Jul-1989	Injury	Single Vehicle Rollover	1	0
	108.0	30-Jul-1989	Injury	Single Vehicle Rollover	2	0
	127.0	25-Feb-1989	Injury	Single Vehicle Rollover	1	0
	128.0	16-Jan-1989	Property Damage	Single Vehicle Rollover	0	0
	157.0	28-Mar-1989	Property Damage	Ran Off Road	0	0
	165.0	14-Feb-1989	Injury	Single Vehicle Rollover	1	0
	167.0	14-Jul-1989	Injury	Single Vehicle Rollover	1	0
	177.0	16-Feb-1989	Injury	Single Vehicle Rollover	1	0
	188.0	15-Jun-1989	Fatal	Single Vehicle Rollover	1	1
	212.0	31-Jan-1989	Property Damage	Single Vehicle Rollover	0	0
	233.0	30-Apr-1989	Fatal	Single Vehicle Rollover	2	1
	241.0	11-May-1989	Property Damage	Single Vehicle Rollover	0	0
	242.0	9-Feb-1989	Property Damage	Animal Strike	0	0
	247.0	23-Oct-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	252.0	29-Jan-1989	Injury	Single Vehicle Rollover	1	0

Summary Highway #5	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	9	10	2	21	18	2

Highway #6 (Fort Resolution Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed
	0.0	7-Dec-1989	Property Damage	Collision with Fixed Object	0	0
	10.0	27-Jun-1989	Property Damage	Animal Strike	0	0
	45.0	12-Sep-1989	Injury	Ran Off Road	2	0
	83.0	4-Sep-1989	Property Damage	Single Vehicle Rollover	0	0
	89.0	28-May-1989	Property Damage	Single Vehicle Rollover	0	0

Summary Highway #6	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	4	1	0	5	2	0

Highway #7 (Liard Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed
	4.0	27-Mar-1989	Property Damage	Collision with Fixed Object	0	0
	27.0	7-Mar-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	37.0	5-Apr-1989	Property Damage	Single Vehicle Rollover	0	0
	51.0	16-Sep-1989	Injury	Single Vehicle Rollover	1	0
	88.0	21-Feb-1989	Property Damage	Collision with Fixed Object	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

Geographic Distribution – Section 10

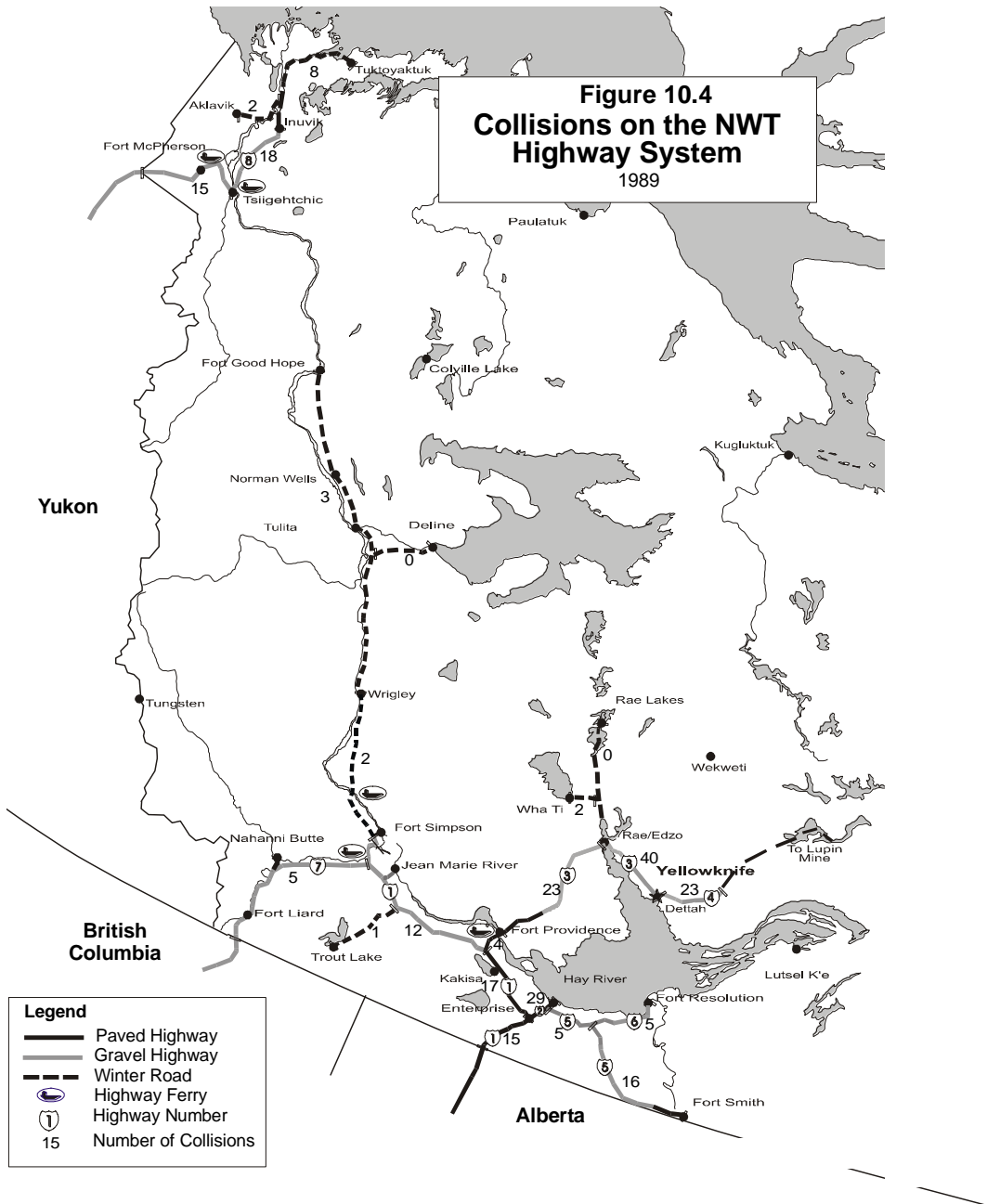
Highway #8 (Dempster Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed
	7.0	11-Mar-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	10.0	15-Jul-1989	Property Damage	Ran Off Road	0	0
	10.0	27-Dec-1989	Property Damage	Single Vehicle Rollover	0	0
	13.0	2-Jul-1989	Injury	Single Vehicle Rollover	1	0
	32.0	29-May-1989	Fatal	Single Vehicle Rollover	1	1
	66.0	5-Mar-1989	Injury	Single Vehicle Rollover	2	0
	66.0	18-Dec-1989	Injury	Ran Off Road	1	0
	79.0	3-Sep-1989	Property Damage	Single Vehicle Rollover	0	0
	80.0	11-Mar-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	86.0	15-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
	94.0	27-Feb-1989	Property Damage	Collision with Fixed Object	0	0
	95.0	4-Mar-1989	Property Damage	Ran Off Road	0	0
	96.0	23-Mar-1989	Property Damage	Ran Off Road	0	0
	110.0	16-Oct-1989	Property Damage	Single Vehicle Rollover	0	0
	111.0	26-Aug-1989	Injury	Single Vehicle Rollover	3	0
	167.0	18-Oct-1989	Injury	Single Vehicle Rollover	1	0
	190.0	29-Aug-1989	Injury	Single Vehicle Rollover	1	0
	209.0	30-Aug-1989	Property Damage	Ran Off Road	0	0
	222.0	22-Sep-1989	Property Damage	Ran Off Road	0	0
	222.0	24-Sep-1989	Injury	Single Vehicle Rollover	1	0
	222.0	25-Sep-1989	Property Damage	Single Vehicle Rollover	0	0
	231.0	27-Jun-1989	Injury	Single Vehicle Rollover	1	0
	237.0	19-Sep-1989	Property Damage	Single Vehicle Rollover	0	0
	248.0	24-Sep-1989	Property Damage	Collision with Fixed Object	0	0
	256.0	11-Jun-1989	Injury	Single Vehicle Rollover	4	0
	256.0	3-Sep-1989	Property Damage	Single Vehicle Rollover	0	0
	258.0	8-Sep-1989	Property Damage	Collision with Fixed Object	0	0
	259.0	15-Mar-1989	Injury	Single Vehicle Rollover	1	0
	259.0	25-Nov-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	261.0	23-Sep-1989	Property Damage	Other Multi-Vehicle Collision	0	0
	261.0	18-Oct-1989	Injury	Single Vehicle Rollover	1	0
	267.0	17-Oct-1989	Injury	Ran Off Road	1	0
	269.0	15-Mar-1989	Injury	Other Multi-Vehicle Collision	3	0
Summary Highway #8	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	19	13	1	33	22	1

Geographic Distribution – Section 10


Access and Winter Roads	Collision Date	Collision Severity	Collision Configuration	#Persons Injured	#Persons Killed
Aklavik Winter Access Road	24-Feb-1989	Property Damage	Single Vehicle Rollover	0	0
Aklavik Winter Access Road	7-Apr-1989	Property Damage	Single Vehicle Rollover	0	0
Dettah Access Road	11-Jun-1989	Injury	Single Vehicle Rollover	3	0
Hay River Reserve Access Road	27-Oct-1989	Injury	Single Vehicle Rollover	7	0
Inuvik-Tuktovaktuk Winter Road	13-Feb-1989	Injury	Single Vehicle Rollover	1	0
Inuvik-Tuktovaktuk Winter Road	3-Mar-1989	Property Damage	Collision with Fixed Object	0	0
Inuvik-Tuktovaktuk Winter Road	8-Mar-1989	Injury	Single Vehicle Rollover	2	0
Inuvik-Tuktovaktuk Winter Road	8-Apr-1989	Property Damage	Collision with Fixed Object	0	0
Inuvik-Tuktovaktuk Winter Road	9-Apr-1989	Property Damage	Collision with Fixed Object	0	0
Inuvik-Tuktovaktuk Winter Road	11-Apr-1989	Property Damage	Collision with Fixed Object	0	0
Inuvik-Tuktovaktuk Winter Road	16-Apr-1989	Property Damage	Collision with Fixed Object	0	0
Inuvik-Tuktovaktuk Winter Road	22-Dec-1989	Injury	Collision with Fixed Object	1	0
Kakisa Lake Access Road	17-Jul-1989	Injury	Single Vehicle Rollover	1	0
Mackenzie Highway Winter Road	29-Jan-1989	Property Damage	Other Multi-Vehicle Collision	0	0
Mackenzie Highway Winter Road	12-Feb-1989	Injury	Other Single Vehicle Collision	1	0
Mackenzie Highway Winter Road	14-Feb-1989	Property Damage	Single Vehicle Rollover	0	0
Mackenzie Highway Winter Road	12-Mar-1989	Injury	Sideswipe - Opposite Direction	2	0
Mackenzie Highway Winter Road	21-Dec-1989	Injury	Single Vehicle Rollover	1	0
Rae Access Road	19-Feb-1989	Property Damage	Collision with Parked Vehicle	0	0
Rae Access Road	12-May-1989	Injury	Single Vehicle Rollover	1	0
Trout Lake Winter Access Road	14-Feb-1989	Property Damage	Other Multi-Vehicle Collision	0	0
Wha Ti Winter Access Road	2-Mar-1989	Injury	Head-on	2	0
Wha Ti Winter Access Road	7-Mar-1989	Property Damage	Collision with Fixed Object	0	0
Yellowknife Access Road	10-Jan-1989	Property Damage	Sideswipe - Opposite Direction	0	0
Yellowknife Access Road	12-Apr-1989	Property Damage	Collision with Fixed Object	0	0
Yellowknife Access Road	6-Dec-1989	Injury	Head-on	1	0

Summary Access and Winter Roads	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	14	12	0	26	23	0

Summary All NWT Highways	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	154	93	6	253	149	6



Appendix A1 – NWT MVA Report Form



ACCIDENT REPORT

1. FATAL
2. INJURY

DATE OF ACCIDENT
____/____/____

PAGE ____ OF ____

3. PROPERTY DAMAGE	8. OTHER	R.C.M.P. DETACHMENT	0 25
TIME (USE 240 HRS.)	NO. OF VEHICLES	NUMBER KILLED	NUMBER INJURED
____:____:____	0	0	0
LARGE HARLET OF (One County/Mun. Chm., Special Ann., Urban/Residential, etc.)			
1. NA 2. PROV. PRIMARY HIGHWAY 3. PROVINCIALLY MAINTAINED SPECIAL AREA (D. ROADS) 4. MUNICIPAL - INCORPORATED CITY/TOWN OR VILLAGE 5. STREET - HIGHWAY, TOWN, ETC.		ROAD JURISDICTION 1. NA 2. NONE 3. PRESENT - ON 4. PRESENT - OFF 5. LIGHT FAIL 6. OTHER 7. UNKNOWN	
DO NOT WRITE IN THIS SPACE			
ROAD TYPE ROAD SURFACE TYPE CONDITION UNUSUAL R/OY CONDITION			
1. NA 1. NA 1. NA 1. NA 2. UNDIVIDED ONE-WAY 2. ASPHALT 2. DRY 2. UNDER CONST. 3. UNDIVIDED TWO-WAY DIVIDED BIRTH 3. CONCRETE 3. WET 3. UNDER REPAIRS 4. GRAVEL 4. LOOSE SAND/DIRT 4. UNDER REPAIRS 4. UNDER REPAIRS 5. RESTRAINING BARRIER 5. DIRT 5. UNDER REPAIRS 5. UNDER REPAIRS 6. DIVIDED 6. GRAVEL OR GRAVEL 6. DEFECTIVE SHOULDER 6. DEFECTIVE SHOULDER 7. RAMP 7. SANDY SOIL 7. SLIPPERY 7. SLIPPERY 8. COLLECTOR LANE 8. UNKNOWN 8. FRESH OIL 8. OTHER 9. OTHER 9. UNKNOWN 9. UNKNOWN 9. UNKNOWN 10. UNKNOWN 10. UNKNOWN 10. UNKNOWN 10. UNKNOWN			
WEATHER CONDITION LIGHT CONDITION STREET LIGHTING			
1. NA 1. NA 1. NA 2. CLEAR 2. DAWN LIGHT 2. NONE 3. RAINING 3. DAWN 3. PRESENT - ON 4. CLOUDY 4. DUSK 4. PRESENT - OFF 5. SNOWING 5. DARKNESS 5. LIGHT FAIL 6. SLEET - HAIL FREEZING RAIN 6. OTHER 6. OTHER 7. STRONG WIND 7. UNKNOWN 7. UNKNOWN 8. DUST 8. UNKNOWN 8. UNKNOWN 9. FOG, SMOG, SMOKE 9. UNKNOWN 9. UNKNOWN 10. OTHER 10. UNKNOWN 10. UNKNOWN 11. UNKNOWN 11. UNKNOWN 11. UNKNOWN			
OBJECT 1 1. MOTOR VEHICLE 2. PEDESTRIAN 3. ANIMAL 4. OTHER 5. UNKNOWN		OBJECT 2 1. MOTOR VEHICLE 2. PEDESTRIAN 3. ANIMAL 4. OTHER 5. UNKNOWN	
DRIVER LICENSE NO. CLASS PROV./STATE NWT		DRIVER LICENSE NO. CLASS PROV./STATE NWT	
LAST NAME DRIVER 1 FIRST NAME INITIAL		LAST NAME DRIVER 2 FIRST NAME INITIAL	
NUMBER AND STREET CITY PROV. POSTAL CODE		NUMBER AND STREET CITY PROV. POSTAL CODE	
DATE OF BIRTH SEX PHONE NO. DRIVER'S OCCUPATION		DATE OF BIRTH SEX PHONE NO. DRIVER'S OCCUPATION	
PLATE NO. YEAR PROV./STATE NWT VE & VEHICLE MAKE		PLATE NO. YEAR PROV./STATE NWT VE & VEHICLE MAKE	
SERIAL OR VIN NUMBER INDELSAGE OR O.V.N.		SERIAL OR VIN NUMBER INDELSAGE OR O.V.N.	
LAST NAME OWNER 1 FIRST NAME INITIAL		LAST NAME OWNER 2 FIRST NAME INITIAL	
NUMBER AND STREET CITY PROV. POSTAL CODE		NUMBER AND STREET CITY PROV. POSTAL CODE	
INSURANCE/FINANCIAL RESPONSIBILITY OR POLICY NO.		INSURANCE/FINANCIAL RESPONSIBILITY OR POLICY NO.	
COMPANY ADDRESS EXPIRY DATE		COMPANY ADDRESS EXPIRY DATE	
DAMAGE SUSTAINED YES NO TRAINED DRIVER YES NO DRIVER'S EXPERIENCE YES NO MISC.		DAMAGE SUSTAINED YES NO TRAINED DRIVER YES NO DRIVER'S EXPERIENCE YES NO MISC.	
DRIVER'S REASON DIRECTION OF TRAVEL (If turning, enter direction before w/h) ON W ON W ON W ON W		DRIVER'S REASON DIRECTION OF TRAVEL (If turning, enter direction before w/h) ON W ON W ON W ON W	
DAMAGE SEVERITY 1. DRAINING 2. FURNISHING 3. NEW 4. OTHER TOTAL OCCUPANTS THIS VEHICLE WITHIN REPAIR COST COSTAL COSTS		DAMAGE SEVERITY 1. DRAINING 2. FURNISHING 3. NEW 4. OTHER TOTAL OCCUPANTS THIS VEHICLE WITHIN REPAIR COST COSTAL COSTS	
NAME AND ADDRESS OF INDEPENDENT WITNESSES AND DESCRIPTION OF ACCIDENT		VOTED YES NO INDICATE NORTH CHANGE TO PROPERTY OTHER THAN MOTOR VEHICLES	
OFFICER'S NAME AND NAME SHIFT		DIVISION REVIEW OFFICER DATE REVIEWED	
POLICE COMMENTS		PROPOSED POLICE ACTION	

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Appendix A2 – MVA Report Form Template

	ROAD CLASS 1. N/A 2. Freeway/Primary Hwy 3. Arterial Divided Hwy 4. Residential St/Local Divided Rd 5. Lanes 6. Service Rd. 7. Other 8. Unknown	MOVABLE OBJECT 1. N/A 2. Other motor vehicle 3. Other vehicles 4. Cyclic 5. Pedestrian 6. Railway Train 7. Animal-drawn 8. Animal-aid			
	ACCIDENT LOCATION 1. N/A 2. Non-Intersection 3. Intersection-Related 4. In Intersection 5. Approach Phase Drive to Residence 6. Approach Command Entrance 7. Adverse Surface Road 8. Adverse Access to Field 9. Adverse Cross-over Divided Hwy 10. Adverse S.R. Xing 11. Adverse S.R. Xing 12. Other Hwy 13. Other 14. Unknown	NON-COLLISION 1. No control present 2. Traffic Signal 3. Flashing light-sign 4. School zone 5. School Xing-Warning light 6. School Xing-Warning sign 7. School Xing-Warning sign only 8. School Bus 9. No flashing zone 10. No flashing zone 11. No flashing zone 12. No flashing zone 13. No flashing zone 14. No flashing zone 15. No flashing zone 16. No flashing zone 17. No flashing zone 18. No flashing zone 19. No flashing zone 20. No flashing zone 21. No flashing zone 22. No flashing zone 23. No flashing zone 24. No flashing zone 25. No flashing zone 26. No flashing zone 27. No flashing zone 28. No flashing zone 29. No flashing zone 30. No flashing zone 31. No flashing zone 32. No flashing zone 33. No flashing zone 34. No flashing zone 35. No flashing zone 36. No flashing zone 37. No flashing zone 38. No flashing zone 39. No flashing zone 40. No flashing zone			
	TRAFFIC CONTROL 1. No control present 2. Traffic Signal 3. Flashing light-sign 4. School zone 5. School Xing-Warning light 6. School Xing-Warning sign 7. School Xing-Warning sign only 8. School Bus 9. No flashing zone 10. No flashing zone 11. No flashing zone 12. No flashing zone 13. No flashing zone 14. No flashing zone 15. No flashing zone 16. No flashing zone 17. No flashing zone 18. No flashing zone 19. No flashing zone 20. No flashing zone 21. No flashing zone 22. No flashing zone 23. No flashing zone 24. No flashing zone 25. No flashing zone 26. No flashing zone 27. No flashing zone 28. No flashing zone 29. No flashing zone 30. No flashing zone 31. No flashing zone 32. No flashing zone 33. No flashing zone 34. No flashing zone 35. No flashing zone 36. No flashing zone 37. No flashing zone 38. No flashing zone 39. No flashing zone 40. No flashing zone	NON-COLLISION 1. No control present 2. Traffic Signal 3. Flashing light-sign 4. School zone 5. School Xing-Warning light 6. School Xing-Warning sign 7. School Xing-Warning sign only 8. School Bus 9. No flashing zone 10. No flashing zone 11. No flashing zone 12. No flashing zone 13. No flashing zone 14. No flashing zone 15. No flashing zone 16. No flashing zone 17. No flashing zone 18. No flashing zone 19. No flashing zone 20. No flashing zone 21. No flashing zone 22. No flashing zone 23. No flashing zone 24. No flashing zone 25. No flashing zone 26. No flashing zone 27. No flashing zone 28. No flashing zone 29. No flashing zone 30. No flashing zone 31. No flashing zone 32. No flashing zone 33. No flashing zone 34. No flashing zone 35. No flashing zone 36. No flashing zone 37. No flashing zone 38. No flashing zone 39. No flashing zone 40. No flashing zone			
	ROADWAY SPEED (posted) Code posted speed level at/above location 1. N/A 2. No controls 3. Traffic control not installed 4. Traffic control means not installed 5. Traffic control present not effective 6. Other 7. Unknown	PEDESTRIAN ACTION 1. N/A 2. Crossing Inter. With R-O-W 3. Crossing Inter. With R-O-W 4. Crossing Inter. With R-O-W 5. Crossing Inter. With R-O-W 6. Crossing Inter. With R-O-W 7. Crossing Inter. With R-O-W 8. Crossing Inter. With R-O-W 9. Crossing Inter. With R-O-W 10. Crossing Inter. With R-O-W 11. Crossing Inter. With R-O-W 12. Crossing Inter. With R-O-W 13. Crossing Inter. With R-O-W 14. Crossing Inter. With R-O-W 15. Crossing Inter. With R-O-W 16. Crossing Inter. With R-O-W 17. Crossing Inter. With R-O-W 18. Crossing Inter. With R-O-W 19. Crossing Inter. With R-O-W 20. Crossing Inter. With R-O-W 21. Crossing Inter. With R-O-W 22. Crossing Inter. With R-O-W 23. Crossing Inter. With R-O-W 24. Crossing Inter. With R-O-W 25. Crossing Inter. With R-O-W 26. Crossing Inter. With R-O-W 27. Crossing Inter. With R-O-W 28. Crossing Inter. With R-O-W 29. Crossing Inter. With R-O-W 30. Crossing Inter. With R-O-W 31. Crossing Inter. With R-O-W 32. Crossing Inter. With R-O-W 33. Crossing Inter. With R-O-W 34. Crossing Inter. With R-O-W 35. Crossing Inter. With R-O-W 36. Crossing Inter. With R-O-W 37. Crossing Inter. With R-O-W 38. Crossing Inter. With R-O-W 39. Crossing Inter. With R-O-W 40. Crossing Inter. With R-O-W	OBJECT IDENTIFICATION 1. N/A 2. Auto 3. Auto-Limo 4. Pickup Trucks under 8000 lbs. 5. Panel/Van under 8000 lbs. 6. Trucks 8000 lbs. & over 7. Tractor 8. Motorcycle 9. Motorcycle 10. Motorcycle 11. Motorcycle 12. Power Bicycle 13. Bicycle 14. Tractor 15. Intercity Bus 16. School Bus 17. Other Buses 18. Motor Home 19. Other Vehicle 20. Other Vehicle 21. Other Vehicle 22. Encumbrance 23. Encumbrance 24. Encumbrance 25. Encumbrance 26. Pedestrian 27. Animal-domestic 28. Animal-aid 29. Animal-aid 30. Animal-aid 31. Animal-aid 32. Animal-aid 33. Animal-aid 34. Animal-aid 35. Animal-aid 36. Animal-aid 37. Animal-aid 38. Animal-aid 39. Animal-aid 40. Animal-aid		
	HAZARDOUS LOADS 1. N/A 2. Explosives 3. Flammable Liquids 4. Flammable Solids 5. Corrosive Mat. 6. Corrosive Mat. 7. Compressed Gases 8. Flammable Gases 9. Radioactive Mat. 10. Radioactive Mat. 11. Radioactive Mat. 12. Radioactive Mat. 13. Radioactive Mat. 14. Radioactive Mat. 15. Radioactive Mat. 16. Radioactive Mat. 17. Radioactive Mat. 18. Radioactive Mat. 19. Radioactive Mat. 20. Radioactive Mat. 21. Radioactive Mat. 22. Radioactive Mat. 23. Radioactive Mat. 24. Radioactive Mat. 25. Radioactive Mat. 26. Radioactive Mat. 27. Radioactive Mat. 28. Radioactive Mat. 29. Radioactive Mat. 30. Radioactive Mat. 31. Radioactive Mat. 32. Radioactive Mat. 33. Radioactive Mat. 34. Radioactive Mat. 35. Radioactive Mat. 36. Radioactive Mat. 37. Radioactive Mat. 38. Radioactive Mat. 39. Radioactive Mat. 40. Radioactive Mat.	LOAD SPILLED (if accident) 1. N/A 2. Spilled 3. Not Spilled 4. Unknown	ATTACHMENTS 1. N/A 2. Camera 3. Film Strip 4. Other		
	POINT OF INITIAL IMPACT 1. N/A 2. Other 3. Unknown	HUMAN CONDITION 1. Apparently Normal 2. Had been drinking 3. Ability impaired, Alcohol 4. Ability impaired, Drugs 5. Severe Fatigue 6. Apparently Not sitting 7. Seated/Physical Contact 8. Other 9. Not known	HUMAN FACTOR 1. N/A 2. Not Equipped 3. Point Belts 4. Point Belts & Torso Belts 5. Air Bags 6. Proper Clothing 7. Helmet 8. Other (specify) 9. Unknown 10. N/A 11. Backing Unlawfully 12. Failed to Give Way 13. R Turn into Wrong Lane 14. L Turn into Wrong Lane 15. L Turn into Wrong Lane 16. L Turn into Wrong Lane 17. L Turn into Wrong Lane 18. L Turn into Wrong Lane 19. L Turn into Wrong Lane 20. L Turn into Wrong Lane 21. L Turn into Wrong Lane 22. L Turn into Wrong Lane 23. L Turn into Wrong Lane 24. L Turn into Wrong Lane 25. L Turn into Wrong Lane 26. L Turn into Wrong Lane 27. L Turn into Wrong Lane 28. L Turn into Wrong Lane 29. L Turn into Wrong Lane 30. L Turn into Wrong Lane 31. L Turn into Wrong Lane 32. L Turn into Wrong Lane 33. L Turn into Wrong Lane 34. L Turn into Wrong Lane 35. L Turn into Wrong Lane 36. L Turn into Wrong Lane 37. L Turn into Wrong Lane 38. L Turn into Wrong Lane 39. L Turn into Wrong Lane 40. L Turn into Wrong Lane		
	OCCUPANT PROTECTION 1. N/A 2. Not Equipped 3. Point Belts 4. Point Belts & Torso Belts 5. Air Bags 6. Proper Clothing 7. Helmet 8. Other (specify) 9. Unknown	VEHICLE 1. N/A 2. Engaged 3. Brake 4. Brake 5. Brake 6. Brake 7. Brake 8. Brake 9. Brake 10. Brake 11. Brake 12. Brake 13. Brake 14. Brake 15. Brake 16. Brake 17. Brake 18. Brake 19. Brake 20. Brake 21. Brake 22. Brake 23. Brake 24. Brake 25. Brake 26. Brake 27. Brake 28. Brake 29. Brake 30. Brake 31. Brake 32. Brake 33. Brake 34. Brake 35. Brake 36. Brake 37. Brake 38. Brake 39. Brake 40. Brake	VEHICLE FACTORS 1. N/A 2. Other Lighting Defective 3. Suspension Failed 4. Steering Failed 5. Tire Failed 6. Brake Defective 7. Brake Defective 8. Brake Defective 9. Brake Defective 10. Brake Defective 11. Brake Defective 12. Brake Defective 13. Brake Defective 14. Brake Defective 15. Brake Defective 16. Brake Defective 17. Brake Defective 18. Brake Defective 19. Brake Defective 20. Brake Defective 21. Brake Defective 22. Brake Defective 23. Brake Defective 24. Brake Defective 25. Brake Defective 26. Brake Defective 27. Brake Defective 28. Brake Defective 29. Brake Defective 30. Brake Defective 31. Brake Defective 32. Brake Defective 33. Brake Defective 34. Brake Defective 35. Brake Defective 36. Brake Defective 37. Brake Defective 38. Brake Defective 39. Brake Defective 40. Brake Defective		
	POSITION IN/ON VEHICLE 1. Driver 2. Passenger 3. Riding/Hanging On Outside 4. Other 5. Unknown	SAFETY EQUIP. USED 1. Yes 2. No 3. Partial 4. Other 5. Unknown	TRANSFERRED TO HOSPITAL 1. Yes 2. No 3. Partial 4. Other 5. Unknown	SELECTED FROM VEHICLE 1. Yes 2. No 3. Partial 4. Other 5. Unknown	
	LOCATION/OBJECT (Code Obj. #) 1. N/A 2. Other 3. Unknown	INJURY CODE 1. N/A 2. None apparent 3. Minor 4. Major 5. Major 6. Fatal 7. Not determined 8. Other (specify) 9. Unknown	TREATED FOR INJURY 1. Yes 2. No 3. Unknown	PRIMARY CAUSE OF ACCIDENTS FROM BOX 38 - 45 1. N/A 2. Other 3. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ENVIRONMENTAL 1. N/A 2. None 3. None 4. None 5. None 6. None 7. None 8. None 9. None 10. None 11. None 12. None 13. None 14. None 15. None 16. None 17. None 18. None 19. None 20. None 21. None 22. None 23. None 24. None 25. None 26. None 27. None 28. None 29. None 30. None 31. None 32. None 33. None 34. None 35. None 36. None 37. None 38. None 39. None 40. None	SPECIAL USE 1. N/A 2. Police 3. Police 4. Police 5. Police 6. Police 7. Police 8. Police 9. Police 10. Police 11. Police 12. Police 13. Police 14. Police 15. Police 16. Police 17. Police 18. Police 19. Police 20. Police 21. Police 22. Police 23. Police 24. Police 25. Police 26. Police 27. Police 28. Police 29. Police 30. Police 31. Police 32. Police 33. Police 34. Police 35. Police 36. Police 37. Police 38. Police 39. Police 40. Police		
	ROADWAY SPEED (posted) Code posted speed level at/above location 1. N/A 2. No controls 3. Traffic control not installed 4. Traffic control means not installed 5. Traffic control present not effective 6. Other 7. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	ROADWAY ALIGNMENT 1. N/A 2. Straight & Level 3. Straight & Level 4. Straight & Level 5. Curve & Level 6. Curve with Grade 7. Curve at Yield/Stop 8. Other 9. Unknown	
	ROADWAY ALIGNMENT 1. N/A 2. Straight &				

Appendix A3 – Brief Description of Fatal Collisions

The following is a brief description of the eight fatal traffic collisions that took place in the Northwest Territories in 1989, resulting in eight fatalities.

RCMP Detachment	Date	Description
Fort Smith	29-Apr	Single vehicle rollover near Km 233 on Highway #5. The unrestrained driver and centre front passenger were unrestrained and totally ejected. The centre front passenger died at the scene while the driver was seriously injured. The right front passenger was fully restrained, was not ejected, and suffered only moderate injuries. The driver had been drinking prior to the collision.
Fort McPherson	28-May	Single vehicle rollover near Km 32 on Highway #8. The unrestrained driver was totally ejected and died at the scene. The right front passenger was fully restrained and was not ejected. The passenger suffered moderate injuries. Excess speed and alcohol were factors.
Rae	1-Jun	Single vehicle rollover near Km 257 on Highway #3. Driver and sole occupant died at the scene. A seat belt was worn by the driver. Alcohol not involved.
Fort Simpson	10-Jun	Young pedestrian struck by pickup truck as it was backing in private driveway. Alcohol was not a factor.
Fort Smith	14-Jun	Single vehicle rollover near Km 188 on Highway #5. The driver and right front passenger were not restrained. The driver was totally ejected and died instantly. The passenger remained in the vehicle and sustained moderate injuries. It is unknown whether alcohol was involved.
Hay River	28-Jul	A tractor-trailer unit turned left across the path of a motorcycle on Highway #1 at the Enterprise Weigh Scales. The driver of the motorcycle, who was wearing a helmet, sustained fatal injuries. The driver of the tractor-trailer unit was not injured.
Inuvik	27-Nov	A snowmobile which was driven at excessive speed, was struck by a pickup truck which failed to yield at a stop sign. The driver of the snowmobile was fatally injured while the passenger sustained serious injuries. The three occupants of the pickup truck were not injured.
Yellowknife	20-Dec	A 52 year old male pedestrian was struck by a pickup truck near Km 335 on Highway #3. The driver had been drinking.

