2001 NWT Traffic Collision Facts

Department of Transportation Road Licensing and Safety Division September 2002

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) 873-7406, or by facsimile at (867) 873-0120.

2001 QUICK FACTS REPORT

2001 Compared to 2000

	<u>2000</u>	<u>2001</u> _	% Change
PROPERTY DAMAGE ONLY COLLISIONS	547	572	4.6
PERSONAL INJURY COLLISIONS	128	142	10.9
FATAL COLLISIONS	3	2	-33.3
TOTAL REPORTED COLLISIONS	678	716	5.6
NUMBER OF PERSONS KILLED	5	3	-40.0
NUMBER OF PERSONS INJURED	182	205	12.6
NWT HIGHWAY SYSTEM COLLISIONS	126	151	19.8
RURAL COLLISIONS	20	11	-45.0
COLLISIONS IN COMMUNITIES	532	554	4.1
REGISTERED VEHICLES	23,371	25,936	11.0
LICENSED DRIVERS	22,626	22,838	0.9
NWT POPULATION [1]	42,100	41,200	-2.1
COLLISIONS PER 100 LICENSED DRIVERS	3.00	3.14	4.6
COLLISIONS PER 100 REGISTERED VEHICLES	2.90	2.76	-4.8
COLLISIONS PER 100 POPULATION	1.61	1.74	7.9
COLLISIONS INVOLVING ALCOHOL	60	48	-20.0

^{[1] 2000} and 2001 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 2002.

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.

NWT HIGHWAY COLLISION – a collision occurring on one of the eight numbered highways or on an Access or Winter road maintained by the Department of Transportation.

COMMUNITY COLLISION – a collision occurring within the corporate limits of a community but not on any of the roads on the NWT Highway system.

RURAL COLLISION – a collision occurring outside of the corporate limits of a community and off of any of the roads on the NWT Highway system.

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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Historical Trends

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Historical Trends

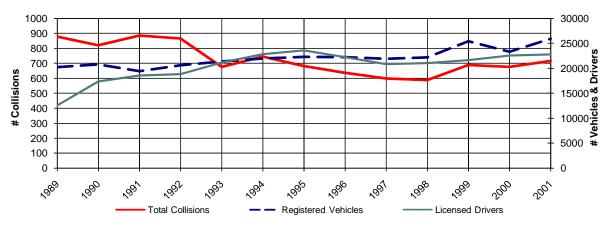
This section illustrates the 13-year history of collisions, victims and licensed drivers and vehicles.

Reporting definitions have remained the same since the inception of TCIS in 1989. Trends in injury and total collisions have shown a steady decline through to the late 1990's. This decline has taken place in spite of the increased population and number of licensed drivers and registered vehicles. Total collisions and property damage only collisions, however, have been increasing since 1997.

Because of the small number of fatal collisions in the Northwest Territories, trends are difficult to identify and subject to year-to-year fluctuations. The three traffic fatalities reported in 2001 is less than the 13-year average.

Trends in Licensed Drivers, Registered Vehicles and Collisions

Figure 1.1

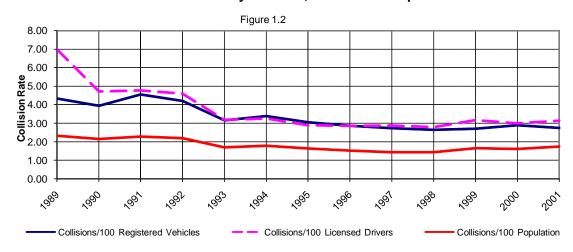


3 Year Summary

Registered Vehicles
Licensed Drivers
Total Collisions

1999	2000	2001	% Change
25,426	23,371	25,936	11.0
21,699	22,626	22,838	0.9
689	678	716	5.6

Trends in Collision Rates by Vehicles, Drivers and Population



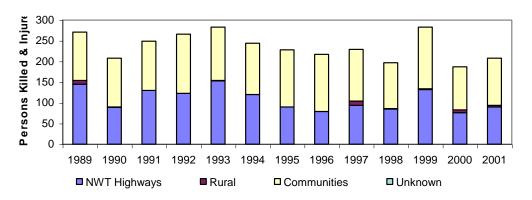
3 Year Summary

Collisions/100 Registered Vehicles
Collisions/100 Licensed Drivers
Collisions/100 Population

1999	2000	2001	% Change
2.71	2.90	2.76	-4.8
3.18	3.00	3.14	4.6
1.66	1.61	1.74	7.9

Trends in Injuries & Fatalities

Figure 1.3



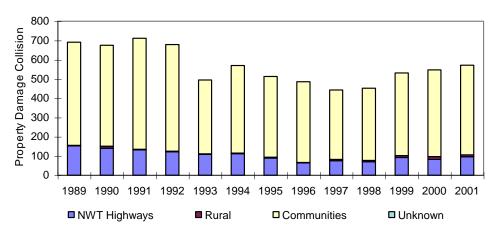
3 Year Summary

	Persons Injured			
	1999	2000	2001	Average
NWT Highways	127	74	87	96
Rural	2	7	4	4
Communities	147	101	114	121
Total	276	182	205	221

	Persons	Killed	
1999	2000	2001	Average
5	2	3	3
0	0	0	0
2	3	0	2
7	5	3	5

Trends in Property Damage Collisions

Figure 1.4



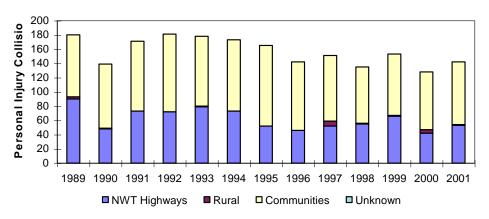
3 Year Summary

NWT Highways
Rural
Communities
Total

	Property Damage Collisions											
	1999	2000	2001	Average								
	92	82	96	90								
	10	15	10	12								
	429	450	466	448								
,	531	547	572	550								

Trends in Personal Injury Collisions

Figure 1.5

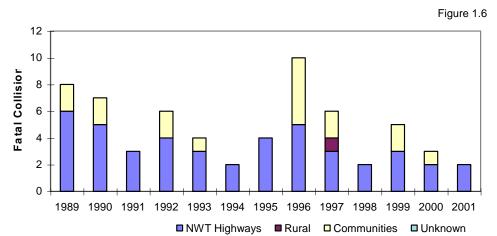


3 Year Summary

NWT Highways
Rural
Communities
Total

Personal Injury Collisions										
1999	2000	2001	Average							
66	42	53	54							
1	5	1	2							
86	81	88	85							
153	128	142	141							

Trends in Fatal Collisions



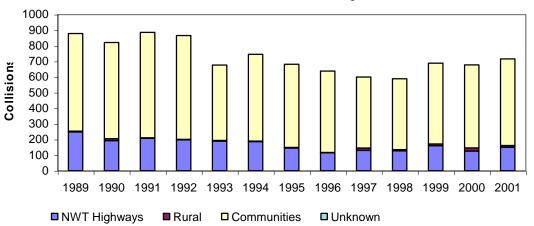
3 Year Summary

NWT Highways
Rural
Ruiai
Communities
Total
lotai

	Fatal Collisions										
	1999	2000	2001	Average							
_	3	2	2	2							
	0	0	0	0							
	2	1	0	1							
	5	3	2	3							

Trends in All Reported Collisions

Figure 1.7



3 Year Summary

NWT Highways Rural Communities **Total**

1999	2000	2001	Average
161	126	151	146
11	20	11	14
517	532	554	534
689	678	716	694

Property Damage Collisions by Month and Year

Figure	1.8
Avg.	91

Month	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	to 00	2001
January	86	74	46	52	50	54	53	64	65	60	60	50
February	72	68	56	72	46	59	45	46	65	49	58	65
March	72	68	52	50	78	56	44	36	47	45	55	59
April	48	59	30	32	32	31	26	22	34	33	35	35
May	31	45	23	33	31	26	23	20	30	34	30	34
June	57	35	23	31	24	32	32	29	30	27	32	39
July	57	48	33	39	38	36	37	34	29	31	38	22
August	42	51	35	42	39	24	37	34	38	36	38	38
September	49	48	39	34	29	29	25	34	36	34	36	32
October	65	65	52	59	38	56	48	39	63	58	54	65
November	59	64	53	73	49	42	26	37	45	53	50	61
December	74	54	53	53	59	41	47	57	49	87	57	72
Total	712	679	495	570	513	486	443	452	531	547	543	572

Personal Injury Collisions by Month and Year

Fi	aı	ıre	- 1	(

											Avg. 91	
Month	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	to 00	2001
January	15	19	16	11	16	15	13	10	15	17	15	13
February	13	12	16	7	14	15	19	10	13	14	13	14
March	17	12	16	9	20	10	16	11	11	9	13	7
April	5	9	13	6	12	7	19	7	9	4	9	7
May	16	12	13	9	11	7	11	4	6	9	10	8
June	24	18	17	18	15	10	6	20	12	9	15	14
July	23	15	24	18	15	16	8	11	22	11	16	6
August	16	18	9	23	18	11	16	14	12	7	14	16
September	13	19	12	14	11	14	10	11	11	9	12	10
October	14	16	16	20	10	15	14	17	20	12	15	21
November	5	13	14	19	12	9	10	8	10	10	11	10
December	10	18	12	19	11	13	9	12	12	17	13	16
Total	171	181	178	173	165	142	151	135	153	128	158	142

Fatal Collisions by Month and Year

Figure 1.10

	_										Avg. 91	
Month	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	to 00	2001
January	0	0	0	0	0	0	0	0	0	1	0.1	1
February	0	0	0	0	0	0	0	0	0	0	0.0	0
March	0	0	1	0	0	2	2	0	0	0	0.5	0
April	0	1	1	0	1	1	0	0	1	0	0.5	1
May	0	0	0	1	0	1	1	0	0	0	0.3	0
June	2	3	0	0	0	1	1	0	0	0	0.7	0
July	0	0	1	0	1	1	1	0	1	0	0.5	0
August	1	0	0	0	0	3	1	0	1	1	0.7	0
September	0	0	0	0	1	0	0	1	1	0	0.3	0
October	0	1	0	1	0	1	0	1	0	1	0.5	0
November	0	1	1	0	1	0	0	0	0	0	0.3	0
December	0	0	0	0	0	0	0	0	1	0	0.1	0
Total	3	6	4	2	4	10	6	2	5	3	4.5	2

Total Collisions by Month and Year

_						
F	ia	ur	e	1	-1	1

											Avg. 91	
Month	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	to 00	2001
January	101	93	62	63	66	69	66	74	80	78	75	64
February	85	80	72	79	60	74	64	56	78	63	71	79
March	89	80	69	59	98	68	62	47	58	54	68	66
April	53	69	44	38	45	39	45	29	44	37	44	43
May	47	57	36	43	42	34	35	24	36	43	40	42
June	83	56	40	49	39	43	39	49	42	36	48	53
July	80	63	58	57	54	53	46	45	52	42	55	28
August	59	69	44	65	57	38	54	48	51	44	53	54
September	62	67	51	48	41	43	35	46	48	43	48	42
October	79	82	68	80	48	72	62	57	83	71	70	86
November	64	78	68	92	62	51	36	45	55	63	61	71
December	84	72	65	72	70	54	56	69	62	104	71	88
Total	886	866	677	745	682	638	600	589	689	678	705	716

Time of Occurrence

Contents:

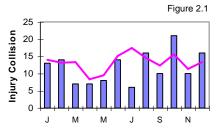
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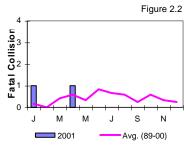
Time of Occurrence

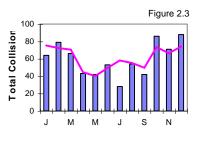
Figure 2.3 shows the highest number of collisions occurred during the winter months, November to March. Conversely Figure 2.1 shows more injury-producing collisions during the summer months.

Collisions are most likely to take place during the late afternoon and early evening. More collisions take place on Fridays and Saturdays than on Sunday and weekdays.

Collisions by Month of Occurrence



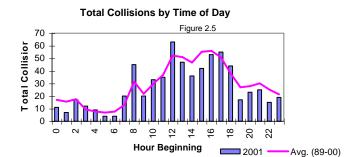


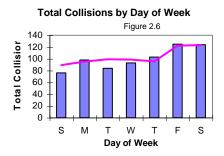


Collisions & Victims by Month of Occurrence

Figure 2.4

	Nui	mber of Collis		Number of Victi	ms	
	Property	Personal				
Month	Damage	Injury	Fatal	Total	Injured	Killed
January	50	13	1	64	21	1
February	65	14	0	79	18	0
March	59	7	0	66	9	0
April	35	7	1	43	13	2
May	34	8	0	42	11	0
June	39	14	0	53	21	0
July	22	6	0	28	7	0
August	38	16	0	54	23	0
September	32	10	0	42	14	0
October	65	21	0	86	34	0
November	61	10	0	71	11	0
December	72	16	0	88	23	0
Total	572	142	2	716	205	3





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.	6	0	0	0	0	4	1	11	1.6
1 to 2 a.m.	1	1	1	0	0	2	2	7	1.0
2 to 3 a.m.	4	0	0	2	3	5	3	17	2.4
3 to 4 a.m.	1	1	0	1	1	2	6	12	1.7
4 to 5 a.m.	0	2	2	0	0	0	5	9	1.3
5 to 6 a.m.	0	1	0	0	1	1	0	3	0.4
6 to 7 a.m.	2	0	0	0	1	1	0	4	0.6
7 to 8 a.m.	0	1	5	5	3	2	4	20	2.8
8 to 9 a.m.	0	10	9	7	8	8	3	45	6.4
9 to 10 a.m.	1	2	1	5	3	6	2	20	2.8
10 to 11 a.m.	4	7	5	6	4	3	4	33	4.7
11 to 12 a.m.	2	6	4	4	10	7	2	35	5.0
12 to 1 p.m.	5	9	7	11	11	13	6	62	8.8
1 to 2 p.m.	3	2	8	8	9	12	5	47	6.7
2 to 3 p.m.	3	8	3	3	3	6	10	36	5.1
3 to 4 p.m.	2	3	5	9	5	5	13	42	6.0
4 to 5 p.m.	11	12	2	3	12	5	8	53	7.5
5 to 6 p.m.	5	5	9	9	5	13	9	55	7.8
6 to 7 p.m.	5	7	6	6	6	7	7	44	6.3
7 to 8 p.m.	2	3	3	2	4	0	3	17	2.4
8 to 9 p.m.	2	6	1	4	2	5	3	23	3.3
9 to 10 p.m.	2	4	2	4	2	6	5	25	3.6
10 to 11 p.m.	4	1	3	0	2	3	2	15	2.1
11 to 12 p.m.	2	1	0	0	5	5	6	19	2.7
Not Stated	9	6	8	4	3	4	15	49	7.0
Total	76	98	84	93	103	125	124	703	
%	10.8	13.9	11.9	13.2	14.7	17.8	17.6	100.0	

^{*} Excludes collisions in which Day of Week was unknown.

MAJOR CONTRIBUTING FACTORS

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Major Contributing Factors

Contributing factors are those circumstances or factors that the reporting police officer perceives to have directly contributed to the collision or its severity. Factors can be selected from four categories: human condition, human action, vehicle condition or driving environment.

Police officers are encouraged to use their skilled judgement in reporting the likely factors, even if the collision scene was not attended.

Figure 3.6 shows that human condition is more than twice as prevalent in injury and fatal collisions (16%) than in all collisions (7%). Human factors account for 69% of all factors in collisions, as compared to vehicular (3%) and environmental (4%).

Figure 3.12 points out the difference between collisions occurring in communities and on the NWT Highway system. Environmental factors are twice as prevalent on NWT Highways (12%) than in communities (6%).

Collisions by Severity Where Human Condition Was a Major Contributing Factor

Figure 3.1

	Property	Personal			% of Total
Human Condition	Damage	Injury	Fatal	Total	Factors
Fatigued, Fell Asleep	1	3	0	4	0.6
Inexperience	1	0	0	1	0.1
Under Influence - Alcohol	24	19	0	43	6.0
Under Influence - Drugs	1	0	0	1	0.1
Sudden Illness, Lost Consciousness	0	1	0	1	0.1
Other Driver Condition	0	0	0	0	0.0
Total	27	23	0	50	7.0

Collisions by Severity Where Human Action Was a Major Contributing Factor

Figure 3.2

	Property	Personal			% of Total
Human Action	Damage	Injury	Fatal	Total	Factors
Following Too Closely	16	8	0	24	3.4
Distracted, Inattentive	39	14	0	53	7.4
Driving Too Fast for Conditions	88	26	1	115	16.1
Improper Turning or Passing	25	4	0	29	4.1
Failed to Yield Right-of-Way	45	11	0	56	7.8
Disobeyed Traffic Control/Officer	3	3	1	7	1.0
Driving on Wrong Side of Road	2	2	0	4	0.6
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	97	6	0	103	14.4
Lost Control	67	23	0	90	12.6
Other Driver Action	7	2	0	9	1.3
Total	389	99	2	490	68.4

Collisions by Severity Where Vehicle Condition Was a Major Contributing Factor

Figure 3.3

	Property	Personal			% of Total
Vehicle Condition	Damage	Injury	Fatal	Total	Factors
Defective Brakes	3	0	0	3	0.4
Defective Steering	0	0	0	0	0.0
Defective Lights	2	0	0	2	0.3
Tire Blown Out	1	1	0	2	0.3
Unsecured Load, Spilled Load	3	0	0	3	0.4
Oversized Load, Overload	0	0	0	0	0.0
Visibility Obstructed	1	0	0	1	0.1
Other Vehicle Contributing Factor	8	2	0	10	1.4
Total	18	3	0	21	2.9

Collisions by Severity Where Environmental Condition Was a Major Contributing Factor

Figure 3.4

	Property	Personal			% of Total
Environmental Condition	Damage	Injury	Fatal	Total	Factors
Animal on Roadway	14	3	0	17	2.4
Road Surface or Condition	6	2	0	8	1.1
Obstruction/Debris on Road	1	0	0	1	0.1
View Obstructed, Glare, Reflection	1	1	0	2	0.3
Weather or Other Acts of God	1	1	0	2	0.3
Other Environmental Factor	0	0	0	0	0.0
Total	23	7	0	30	4.2

Collisions by Severity Where Major Contributing Factor Was Unspecified or Unknown

Figure 3.5

	Property	Personal			% of Total
Factor	Damage	Injury	Fatal	Total	Factors
Unspecified	0	1	0	1	0.1
Unknown	115	9	0	124	17.3
Total	115	10	0	125	17.5
Total All Factors	572	142	2	716	100.0

Major Contributing Factors by Collision Severity

Figure 3.6

All Collisions

Injury & Fatal Collisions



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

	NWT	In			% of Total
Human Condition	Highways	Communities	Rural	Total	Factors
Fatigued, Fell Asleep	4	0	0	4	0.6
Inexperience	1	0	0	1	0.1
Under Influence - Alcohol	13	30	0	43	6.0
Under Influence - Drugs	0	1	0	1	0.1
Sudden Illness, Lost Consciousness	0	1	0	1	0.1
Other Driver Condition	0	0	0	0	0.0
Total	18	32	0	50	7.0

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

Figure 3.8

	NWT	In			% of Total
Human Action	Highways	Cummunities	Rural	Total	Factors
Following Too Closely	3	20	1	24	3.4
Distracted, Inattentive	12	41	0	53	7.4
Driving Too Fast for Conditions	20	90	5	115	16.1
Improper Turning or Passing	2	27	0	29	4.1
Failed to Yield Right-of-Way	1	55	0	56	7.8
Disobeyed Traffic Control/Officer	1	6	0	7	1.0
Driving on Wrong Side of Road	1	3	0	4	0.6
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	1	100	2	103	14.4
Lost Control	54	34	2	90	12.6
Other Driver Action	1	8	0	9	1.3
Total	96	384	10	490	68.4

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

Figure 3.9

	NWT	In			% of Total
Vehicle Condition	Highways	Communities	Rural	Total	Factors
Defective Brakes	0	3	0	3	0.4
Defective Steering	0	0	0	0	0.0
Defective Lights	1	1	0	2	0.3
Tire Blown Out	1	1	0	2	0.3
Unsecured Load, Spilled Load	1	2	0	3	0.4
Oversized Load, Overload	0	0	0	0	0.0
Visibility Obstructed	0	1	0	1	0.1
Other Vehicle Contributing Factor	1	9	0	10	1.4
Total	4	17	0	21	2.9

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

Figure 3.10

	NWT	In			% of Total
Environmental Condition	Highways	Communities	Rural	Total	Factors
Animal on Roadway	14	3	0	17	2.4
Road Surface or Condition	6	2	0	8	1.1
Obstruction/Debris on Road	0	1	0	1	0.1
View Obstructed, Glare, Reflection	1	1	0	2	0.3
Weather or Other Acts of God	1	1	0	2	0.3
Other Environmental Factor	0	0	0	0	0.0
Total	22	8	0	30	4.2

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

Figure 3.11

	NWT	In			% of Total
Factor	Highways	Communities	Rural	Total	Factors
Unspecified	1	0	0	1	0.1
Unknown	10	113	1	124	17.3
Total	11	113	1	125	17.5
Total All Factors	151	554	11	716	100.0

Major Contributing Factors in Collisions - Communities and NWT Highways

Communities

Figure 3.12

NWT Highways



Environmental Factors

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Environmental Factors

The driving environment consists of road, light and weather conditions, as well as events leading up to and during a collision. It is important to understand all of these factors to properly design effective countermeasures for reducing collisions.

This section of the report provides a breakdown of collisions for each of the different driving environments by severity and road system.

Figures 4.1 to 4.5 show that most collisions occur under near ideal conditions, such as clear weather, daylight and on a road surface that is free of defects. Figure 4.9 shows that intersection related collisions are far more frequent in communities than in rural areas or on the NWT Highway system.

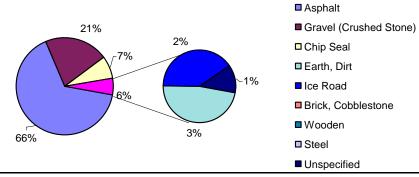
Figures 4.6 and 4.7 provide a breakdown on the types of collisions that occur for both single and multiple vehicle configurations.

Figures 4.12 and 4.13 describe some of the events that occur in collisions, such as hitting a fixed or moveable object, overturning and jack-knifing.

Collisions by Road Surface Type and Severity

Figure 4.1

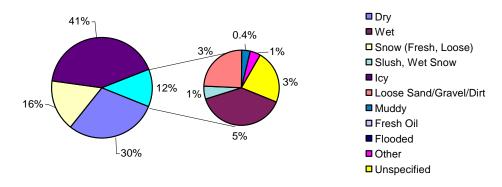
	Property	Personal			
Road Surface Type	Damage	Injury	Fatal	Total	%
Asphalt	390	77	1	468	65.4
Concrete	5	1	0	6	0.8
Gravel (Crushed Stone)	107	42	0	149	20.8
Earth, Dirt	17	2	0	19	2.7
Chip Seal	36	17	0	53	7.4
Brick, Cobblestone	0	0	0	0	0.0
Wooden	0	0	0	0	0.0
Steel	0	0	0	0	0.0
Ice Road	12	3	1	16	2.2
Unspecified	5	0	0	5	0.7
Total	572	142	2	716	100.0



Collisions by Road Surface Environmental Condition and Severity

Figure 4.2

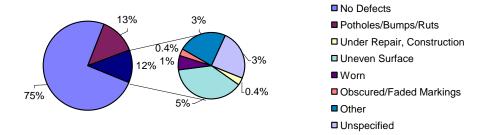
	Property	Personal			
Surface Condition	Damage	Injury	Fatal	Total	%
Dry	170	43	0	213	29.7
Wet	24	10	0	34	4.7
Snow (Fresh, Loose)	97	19	1	117	16.3
Slush, Wet Snow	2	3	0	5	0.7
Icy	241	57	1	299	41.8
Loose Sand/Gravel/Dirt	12	9	0	21	2.9
Muddy	2	1	0	3	0.4
Fresh Oil	0	0	0	0	0.0
Flooded	0	0	0	0	0.0
Other	4	0	0	4	0.6
Unspecified	20	0	0	20	2.8
Total	572	142	2	716	100



Collisions by Road Defect and Severity

Figure 4.3

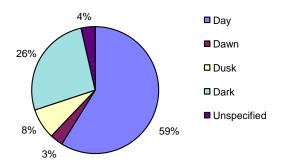
	Property	Personal			
Road Defect	Damage	Injury	Fatal	Total	%
No Defects	434	101	1	536	74.9
Potholes/Bumps/Ruts	70	24	0	94	13.1
Under Repair, Construction	2	1	0	3	0.4
Uneven Pavement Surface	27	6	0	33	4.6
Worn	3	3	0	6	0.8
Obscured or Faded Markings	2	1	0	3	0.4
Other	15	4	1	20	2.8
Unspecified	19	2	0	21	2.9
Total	572	142	2	716	100.0



Collisions by Light Condition and Severity

Figure 4.4

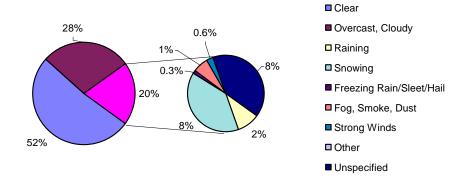
	Property	Personal			
Light Condition	Damage	Injury	Fatal	Total	%
Day	331	89	1	421	58.8
Dawn	20	4	0	24	3.4
Dusk	37	19	0	56	7.8
Dark	159	29	1	189	26.4
Unspecified	25	1	0	26	3.6
Total	572	142	2	716	100.0



Collisions by Weather Condition and Severity

Figure 4.5

	Property	Personal			
Weather Condition	Damage	Injury	Fatal	Total	%
Clear (Sunny)	290	78	2	370	51.7
Overcast, Cloudy (No Precipitation)	162	41	0	203	28.4
Raining	9	5	0	14	2.0
Snowing	48	8	0	56	7.8
Freezing Rain/Sleet/Hail	1	1	0	2	0.3
Visibility Limitations (fog, dust, etc.)	6	3	0	9	1.3
Strong Winds	2	2	0	4	0.6
Other	0	0	0	0	0.0
Unspecified	54	4	0	58	8.1
Total	572	142	2	716	100.0

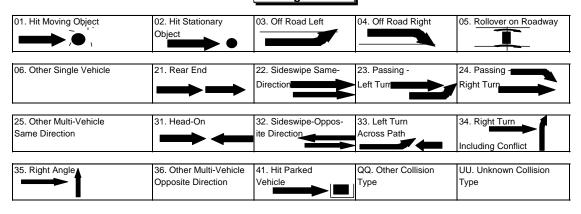


Collisions by Configuration and Severity

Figure 4.6

Configuration*	Property Damage	Personal Injury	Fatal	Total	% of Total
01. Hit Moving Object					
a) With Animal	12	3	0	15	2.1
b) With Pedestrian	0	10	0	10	1.4
c) Other	1	1	0	2	0.3
02. Hit Stationary Object	37	2	0	39	5.4
03. Off Road Left					
a) With Rollover	14	18	0	32	4.5
b) No Rollover	17	3	0	20	2.8
04. Off Road Right					
a) With Rollover	16	18	0	34	4.7
b) No Rollover	30	4	0	34	4.7
05. Rollover on Roadway	2	2	0	4	0.6
06. Other Single Vehicle	2	0	0	2	0.3
21. Rear End	70	30	0	100	14.0
22. Sideswipe -	9	1	0	10	1.4
Same Direction					
23. Passing - Left Turn	8	2	0	10	1.4
24. Passing - Right Turn	5	0	0	5	0.7
Other Multi-Vehicle	3	1	0	4	0.6
Same Direction					
31. Head-On	8	2	0	10	1.4
32. Sideswipe -	14	5	0	19	2.7
Opposite Direction					
33. Left Turn Across Path	15	7	0	22	3.1
Right Turn Including	10	3	0	13	1.8
Conflict					
35. Right Angle	59	22	1	82	11.5
36. Other Multi-Vehicle	22	1	0	23	3.2
Opposite Direction					
41. Hit Parked Vehicle	218	7	1	226	31.6
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	572	142	2	716	100.0

*Collision Configurations

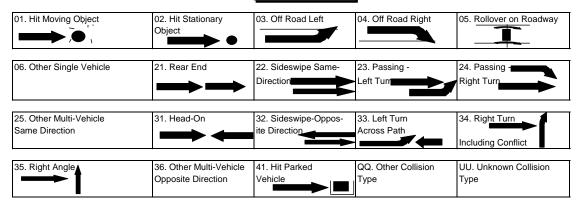


Collisions by Configuration and Road System

Figure 4.7

Configuration*	NWT Highways	In Communities	Rural	Total	% of Total
01. Hit Moving Object					
a) With Animal	13	2	0	15	2.1
b) With Pedestrian	1	9	0	10	1.4
c) Other	1	1	0	2	0.3
02. Hit Stationary Object	5	33	1	39	5.4
03. Off Road Left					
a) With Rollover	29	3	0	32	4.5
b) No Rollover	13	5	2	20	2.8
04. Off Road Right					
a) With Rollover	31	3	0	34	4.7
b) No Rollover	22	12	0	34	4.7
05. Rollover on Roadway	2	2	0	4	0.6
06. Other Single Vehicle	1	1	0	2	0.3
21. Rear End	6	93	1	100	14.0
22. Sideswipe -	0	10	0	10	1.4
Same Direction					
23. Passing - Left Turn	3	6	1	10	1.4
24. Passing - Right Turn	0	5	0	5	0.7
25. Other Multi-Vehicle	0	4	0	4	0.6
Same Direction					
31. Head-On	2	7	1	10	1.4
32. Sideswipe -	7	10	2	19	2.7
Opposite Direction					
33. Left Turn Across Path	0	22	0	22	3.1
34. Right Turn Including	1	12	0	13	1.8
Conflict					
35. Right Angle	6	76	0	82	11.5
36. Other Multi-Vehicle	2	21	0	23	3.2
Opposite Direction					
41. Hit Parked Vehicle	6	217	3	226	31.6
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	151	554	11	716	100.0

*Collision Configurations



Collisions by Collision Site and Severity

Figure 4.8

	Property	Personal			
Collision Site	Damage	Injury	Fatal	Total	%
Non-Intersection	226	69	1	296	41.3
Intersection - Two Public Roadways	110	41	1	152	21.2
Intersection - Parking Lot, Driveway	116	26	0	142	19.8
Railroad Level Crossing	0	1	0	1	0.1
Bridge, Overpass, Viaduct	3	1	0	4	0.6
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	111	4	0	115	16.1
Unknown	6	0	0	6	0.8
Total	572	142	2	716	100.0

Collisions by Collision Site and Road System

Figure 4.9

	NWT	In			
Collision Site	Highways	Communities	Rural	Total	%
Non-Intersection	129	160	7	296	41.3
Intersection - Two Public Roadways	12	140	0	152	21.2
Intersection - Parking Lot, Driveway	6	134	2	142	19.8
Railroad Level Crossing	1	0	0	1	0.1
Bridge, Overpass, Viaduct	2	2	0	4	0.6
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	1	112	2	115	16.1
Unknown	0	6	0	6	0.8
Total	151	554	11	716	100.0

Collisions by Roadway Alignment and Severity

Figure 4.10

	Property	Personal			
Road Alignment	Damage	Injury	Fatal	Total	%
Straight & Level	416	88	2	506	70.7
Straight with Grade	50	18	0	68	9.5
Curved and Level	56	20	0	76	10.6
Curve with Grade	22	8	0	30	4.2
Top of Hill or Grade	6	3	0	9	1.3
Bottom of Hill or Grade	9	1	0	10	1.4
Other	3	0	0	3	0.4
Unknown	10	4	0	14	2.0
Total	572	142	2	716	100.0

Collisions by Roadway Type and Severity

Figure 4.11

	Property	Personal			
Road Type	Damage	Injury	Fatal	Total	%
One-Way, Two Lane	9	2	0	11	1.5
One-Way, Multi Lane	1	0	0	1	0.1
Undivided, Two-Way, Two Lane	326	99	2	427	59.6
Undivided, Two-Way, Multi Lane	42	17	0	59	8.2
Divided, Barrier Median	1	0	0	1	0.1
Divided with Median, No Barrier	25	16	0	41	5.7
Divided, Divider Unspecified	0	0	0	0	0.0
Other	162	8	0	170	23.7
Unknown	6	0	0	6	0.8
Total	572	142	2	716	100.0

Collision Sequence of Events by Severity

Figure 4.12

	Property	Personal			
Non-Moving Objects	Damage	Injury	Fatal	Total	%
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	3	0	0	3	0.4
Hit Building	2	0	0	2	0.3
Hit Ditch	0	0	0	0	0.0
Hit Embankment, Dirt Pile, Rock	0	1	0	1	0.1
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree. Bush, Hedge	0	0	0	0	0.0
Hit Utility Pole, Lamp Pole	3	0	0	3	0.4
Hit Curb	0	0	0	0	0.0
Hit Post	1	1	0	2	0.3
Hit Traffic Barrier	1	0	0	1	0.1
Hit Fixed Object Part of Road Structure	1	0	0	1	0.1
Hit Fixed Object NOT Part of Road Structure	4	0	0	4	0.6
Hit Other Type Fixed Object	3	0	0	3	0.4
Sub Total Fixed Objects	18	2	0	20	2.8
Moveable Objects					
Another Road Vehicle	441	81	2	524	73.2
Animal	12	3	0	15	2.1
Pedestrian	0	10	0	10	1.4
Other Moveable Object	1	1	0	2	0.3
Sub Total Moveable Objects	454	95	2	551	77.0
Non-Collision Events					
Ran Off Road	47	7	0	54	7.5
Rollover	32	38	0	70	9.8
Jack Knife or Trailer Swing	1	0	0	1	0.1
Fire or Explosion	0	0	0	0	0.0
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	0	0	0	0	0.0
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	80	45	0	125	17.5
Other/Unknown Event	20	0	0	20	2.8
Grand Total	572	142	2	716	100.0

Collision Sequence of Events by Road System

Figure 4.13

	NWT	In			
Non-Moving Objects	Highways	Communities	Rural	Total	%
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	0	3	0	3	0.4
Hit Building	0	2	0	2	0.3
Hit Ditch	0	0	0	0	0.0
Hit Embankment, Dirt Pile, Rock	0	1	0	1	0.1
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree. Bush, Hedge	0	0	0	0	0.0
Hit Utility Pole, Lamp Pole	0	3	0	3	0.4
Hit Curb	0	0	0	0	0.0
Hit Post	0	2	0	2	0.3
Hit Traffic Barrier	0	1	0	1	0.1
Hit Fixed Object Part of Road Structure	0	1	0	1	0.1
Hit Fixed Object NOT Part of Road Structure	0	4	0	4	0.6
Hit Other Type Fixed Object	1	2	0	3	0.4
Sub Total Fixed Objects	1	19	0	20	2.8
Moveable Objects					
Another Road Vehicle	33	483	8	524	73.2
Animal	13	2	0	15	2.1
Pedestrian	1	9	0	10	1.4
Other Moveable Object	1	1	0	2	0.3
Sub Total Moveable Objects	48	495	8	551	77.0
·					
Non-Collision Events					
Ran Off Road	35	17	2	54	7.5
Rollover	62	8	0	70	9.8
Jack Knife or Trailer Swing	0	1	0	1	0.1
Fire or Explosion	0	0	0	0	0.0
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	0	0	0	0	0.0
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	97	26	2	125	17.5
Unknown Event	5	14	1	20	2.8
Grand Total	151	554	11	716	100.0
				,	

Driver Factors

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Driver Factors

This section describes the characteristics of drivers involved in collisions. In 2001, 1,042 drivers were involved in 716 collisions. This is an average of 1.46 drivers per collision. Details on driver age, gender, condition, action and class of licence is presented.

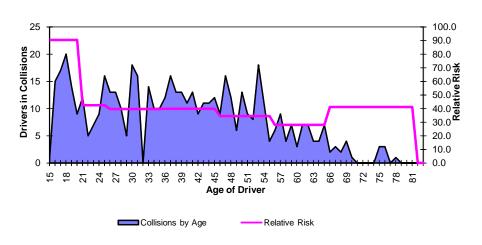
Of particular interest and concern is the over-representation of young drivers in collisions. Drivers aged 15 to 20 years are 1.9 times as likely to be involved in a collision than drivers aged 35 to 44 years. Crash statistics involving young or inexperienced drivers is useful for developing graduated licensing programs.

Licensed Drivers and Drivers in Collisions by Driver Age

Figure 5.1

	Under	16	20	25	35	45	55	65			
	16	to	to	to	to	to	to	and	Not		
		19	24	34	44	54	64	Over	Stated	Total	
Licensed Drivers	90	1,137	2,192	5,743	6,487	4,697	1,860	632	0	22,838	
Drivers in Collisions	18	93	93	228	259	162	52	26	111	1,042	

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	20	25	35	45	55	65	Average
	to	to	to	to	to	to	and	Rate
	19	24	34	44	54	64	Over	
Property Damage	61.1	30.6	30.3	29.9	28.3	23.7	34.8	35.7
Personal Injury	29.3	11.9	9.4	10.0	6.2	4.3	6.3	9.9
& Fatal								
Total	90.5	42.4	39.7	39.9	34.5	28.0	41.1	45.6
Relative Risk*	2.0	0.9	0.9	0.9	0.8	0.6	0.9	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 times more likely to be involved in a collision than the average driving population. On average, 9% of 15 to 19 year olds were involved in collisions, compared to 4% of 35 to 44 year olds.

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

	Class	Class	Class	Class	Class Class Class Class Class	Class	Class	Not	S	Not	
Age Group	-	2	3	4	5	9	7	Req'd. Licence Stated	icence	Stated	Total
Under 16	0	þ	þ	þ	b	b	2	12	4	0	٣
4	0	0	0	0	16	0	2	2	2	0	22
2	0	0	0	0	21	0	0	2	_	0	24
	0	þ	þ	þ	8	þ	m	_	-	Ь	23
0 0	0	0	-	0	17	0	2	-	n	0	5
2. [.	0	0	0	0	16	0	0	0	_	_	18
21-24	_	 	m	-	28	6	е	С	ڡ	0	2
25-24 25-34	14	5	5	21	164	0	9	m	9	ঘ	228
25.44 35.44	35	2	15	16	172	0	ব	2	5	5	259
45-54	52	m	_	15	109	b	P	-	þ	2	162
1000 1000 1000	6	m	2	S	99	0	0	0	0	С.	52
55 and over	-	0	2	0	23	0	0	0	0	0	26
Not Stated	0	b	Þ	b	b	6	b	m	b	108	-
Drivers in Collisions	85	16	35	58	644	0	22	30	29	123	1,042
Total Licensed Drivers	1,280	205		1,045	682 1,045 18,339	4	1,283	Υ _N	Υ. N	ΧX	22,838
Belative Bisk*	1.46	1.46 1.71	77 0 66 1 61 1	-	55.0	000	000	1			,

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

Number of Drivers Involved in Collisions by Condition and Age	S ii be	Ilisions	by C	onditio	n and /	√ge							_	Figure 5.4	
													Not		
Driver Condition	> 16	16	17	8	19	70	21-24	25-34	35-44	45-54	55-64	65+	Stated	Total	%
Apparently Normal	9	Ξ	14	14		12	53	167	204	132	45	21	-	889	0.99
Fatiqued, Fell Asleep	0	0	0	-	-	0	0	0	0	-	0	-	0	ঘ	0.4
Inexperience	00	7	9	-	2	0	Ф	12	ব	2	2	0	0	48	4.6
Under Influence - Alcohol	1	1	-	1	3	2	5	17	13	2	0	0	2	48	4.6
Under Influence - Drugs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0	0	0	0	-	0	0	0	0	0	-	1.0
Other Condition	0	0	0	-	-	-	2	m	വ	m	2	2	0	20	1.9
Unknown	က	က	c	2	6	က	11	28	33	22	c	2	108	233	22.4
Total	18	22	24	23	24	18	7.5	228	259	162	52	56	Ξ	1,042	
%	1.7	21	23	2.5	6.0	17	7.2	21.9	24.9	15.5	5.0	2.5	10.7		100 0

Number of Drivers Involved in Collisions by Driver Action and Age

												Not		
Driver Action	< 16 16	17	18	19	70	21-2.1 25-3.1 35-4.1 45-5.1 55-6.165+	25-3.1	35-4.1	12-21	25-6.16	5+ Sta	Stated	Total	%
Driving Properly	2 4	2	2	4	9	18	73	92	72	19	7	2	309	29.7
Following Too Closely	1 2	_	0	0	_	7	2	∞	4	7	_	0	27	5.6
Distracted, Inattentive	0 4	2	3	3	2	4	16	16	8	2	2	1	63	0.9
Driving Too Fast	2 4	2	4	2	2	11	39	53	18	9	2	2	129	12.4
Improper Turning or Passing	2 0	0	0	_	0	4	7	7	7	7	0	0	34	3.3
Failing to Yield Right of Way	3 1	1	2	0	0	2	13	17	13	8	2	_	69	9.9
Disobeying Traffic Control/Officer	2 0	0	0	0	1	2	2	1	-	0	0	0	6	0.9
Driving on Wrong Side of Road	1 0	0	0	0	0	0	_	0	0	0	_	0	လ	0.3
Driving in Wrong Direction	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Backing Unsafely	0 3	3	2	2	3	9	20	32	21	2	9	3	112	10.7
Lost Control	4	4	3	က	7	12	33	34	12	က	_	7	117	11.2
Other Driver Action	0 0	_	_	0	0	4	_	∞	7	7	0	0	19	1.8
Unknown	1 0	2	0	3	1	7	14	15	4	3	1	100	151	14.5
Total	18 22	24	23	24	18	75	228	259	162	52	56	111	1,042	
%	1.7 2.1	2.3	2.2	2.3	1.7	7.2	21.9	24.9	15.5	5.0	2.5	10.7		100.0

Vehicle Factors

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Vehicle Factors

There were a total of 1,260 vehicles involved in 716 collisions in 2001. This is an average of 1.76 vehicles per collision. This section provides details on the different vehicle types involved in collisions.

While TCIS gives a fairly accurate account of the different types of vehicles involved in collisions, it is difficult to compare the relative involvement rate. For example, a highway transport truck, on average, travels 10 times more distance in a year than a passenger car. It is, therefore, necessary to determine the exposure of different types of vehicles. Obtaining accurate and useful information about the travel patterns and distances of different vehicles is a major challenge.

Number of Vehicles in Collisions by Vehicle Type and Severity

Figure 6.1

	Property	Personal			
Vehicle Type	Damage	Injury	Fatal	Total	%
Passenger Car	273	60	0	333	26.4
Passenger Van	104	18	0	122	9.7
Light Utility Vehicle	115	30	0	145	11.5
Pickup Truck	338	72	2	412	32.7
Panel/Cargo Van	29	6	0	35	2.8
Other Truck/Van <= 4536 kg	10	3	0	13	1.0
Unit Truck > 4536 kg	22	2	1	25	2.0
Road Tractor	26	6	2	34	2.7
School Bus	4	0	0	4	0.3
Small School Bus	0	0	0	0	0.0
Urban Transit Bus	1	1	0	2	0.2
Intercity Bus	0	0	0	0	0.0
Bus - Unspecified	0	0	0	0	0.0
Motorcycle	0	3	0	3	0.2
Limited Speed Motorcycle	0	0	0	0	0.0
Off Road Vehicles (ATV)	0	5	0	5	0.4
Bicycle	3	7	0	10	0.8
Motor Home	2	0	0	2	0.2
Farm Equipment	0	0	0	0	0.0
Construction Equipment	4	1	0	5	0.4
Fire Engine	0	0	0	0	0.0
Snowmobile	8	14	0	22	1.7
Streetcar	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	88	0	0	88	7.0
Total	1,027	228	5	1,260	100.0

Number of Vehicles in Collisions by Vehicle Condition and Severity

Figure 6.2

	Property	Personal			
Vehicle Condition	Damage	Injury	Fatal	Total	%
No Apparent Defect	829	185	2	1,016	80.6
Defective Brakes	3	1	0	4	0.3
Defective Steering	0	0	0	0	0.0
Defective Lighting	2	0	0	2	0.2
Tire Blown Out	2	1	0	3	0.2
Unsecured Load, Spilled Load	3	0	0	3	0.2
Oversized Load, Overload	1	0	0	1	0.1
Visibility Obstructed	4	3	0	7	0.6
Other Defective Vehicular Parts	11	2	0	13	1.0
Other Vehicular Factor	1	1	0	2	0.2
Unknown	171	35	3	209	16.6
Total	1,027	228	5	1,260	100.0

Number of Vehicles in Collisions by Vehicle Manoeuvre and Severity

Figure 6.3

	Property	Personal			
Vehicle Manoeuvre	Damage	Injury	Fatal	Total	%
Going Straight Ahead	278	115	4	397	31.5
Turning Left	48	26	0	74	5.9
Turning Right	51	4	0	55	4.4
Making U-Turn	10	0	0	10	0.8
Changing Lanes	5	0	0	5	0.4
Merging	3	0	0	3	0.2
Reversing	122	8	0	130	10.3
Overtaking	4	0	0	4	0.3
Negotiating Curve	43	23	0	66	5.2
Slowing or Stopped in Traffic	115	39	0	154	12.2
Starting in Traffic	2	1	0	3	0.2
Leaving Roadside	2	0	0	2	0.2
Stopped/Parked Legally	219	10	1	230	18.3
Stopped/Parked Illegally	8	0	0	8	0.6
Swerving to Avoid Collision	11	1	0	12	1.0
Run-away or Roll-away Vehicle	8	0	0	8	0.6
Unspecified Manoeuvre	3	0	0	3	0.2
Other	0	0	0	0	0.0
Unknown	95	1	0	96	7.6
Total	1,027	228	5	1,260	100.0

Number of Vehicles in Collisions by Vehicle Year and Severity

Figure 6.4

	Property	Personal			
Model Year	Damage	Injury	Fatal	Total	%
2002	7	1	0	8	0.6
2001	90	23	2	115	9.1
2000	124	16	0	140	11.1
1999	95	26	0	121	9.6
1998	68	22	0	90	7.1
1997	70	19	0	89	7.1
1996	57	9	0	66	5.2
1995	56	15	1	72	5.7
1994	53	14	0	67	5.3
1993	28	9	0	37	2.9
1992	37	10	0	47	3.7
1991	36	11	0	47	3.7
1990 & Older	206	39	2	247	19.6
Unspecified	100	14	0	114	9.0
Total	1,027	228	5	1,260	100.0

Victims and Occupant Restraints

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Victims and Occupant Restraints

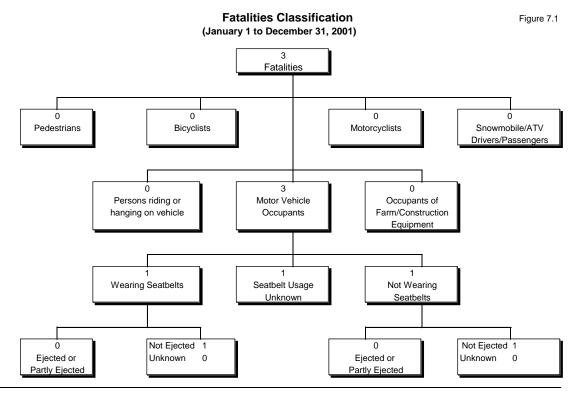
The Traffic Collision Information System (TCIS) attempts to capture information on all road users involved in collisions, whether they are injured or not. This data can be used to calculate exposure rates for road users by injury severity, age, road user class, gender and many other variables.

Figures 7.6, 7.7 and 7.8 show the relationships between the severity of injury to motor vehicle occupants and seat belt use. The number of persons injured while using seat belts is much higher than those not using them. This is because more than 85% of all motor vehicle occupants are belted in during a crash. The severity of injury is also lower for victims using seat belts. In the Northwest Territories, 90% of victims wearing seat belts were not injured. On the other hand, nearly 25% of the victims who were not wearing seat belts were injured or killed.

The proper use of seat belts is an important factor when evaluating their effectiveness in reducing or preventing injuries. This is especially true of young children and the use of child restraints. In the Northwest Territories, less than 35% of children are restrained at all. It is estimated that only half of these are in a correctly installed device and in a device that is appropriate for the size and age of the child.

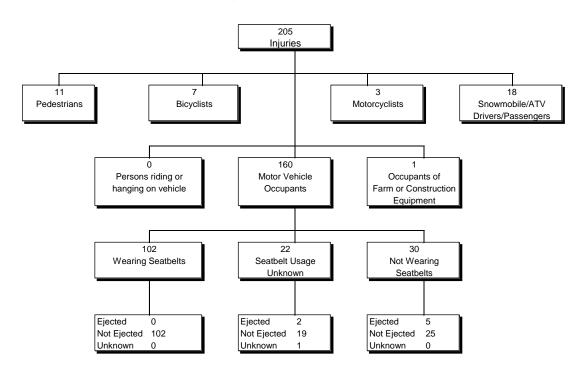
To combat the problem of child restraint misuse-use, child car seat inspection clinics are carried out by the Hay River, Inuvik and Yellowknife Fire Departments. The Car Seat Instructors Program is available to increase the number of qualified persons to conduct inspections at clinics and at occupant restraint checkstops.

For more information on the Car Seat Instructors Program, please call the Department of Transportation, Road Licensing and Safety Division at (867) 873-7406.



Injuries Classification (January 1 to December 31, 2001)

Figure 7.2



Persons Injured by Road User Class and Age Group

Figure 7.3

	0	5	15	20	25	35	45	55	65	Not		
Road User Class	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older	Stated	Total	%
Motor Vehicle Driver	0	0	11	14	28	22	13	1	2	0	91	44.4
Motor Vehicle Passenger	4	10	8	7	15	9	4	6	0	6	69	33.7
Pedestrian	0	2	1	1	0	3	1	1	1	1	11	5.4
Bicyclist	0	4	0	1	0	1	1	0	0	0	7	3.4
Motorcyclist (includes	0	0	0	0	0	1	0	2	0	0	3	1.5
passengers												
ATV Operators & Passengers	0	0	2	1	1	1	0	0	0	0	5	2.4
Snowmobile Operators	0	7	6	2	3	0	0	0	0	0	18	8.8
& Passengers												
Farm/Construction Equipment	0	0	0	0	0	1	0	0	0	0	1	0.5
Other	0	0	0	0	0	0	0	0	0	0	0	0.0
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	4	23	28	26	47	38	19	10	3	7	205	100.0

Persons Killed by Road User Class and Age Group

Figure 7.4

	0	5	15	20	25	35	45	55	65	Not		
Road User Class	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older	Stated	Total	%
Motor Vehicle Driver	0	0	0	0	1	0	1	0	0	0	2	66.7
Motor Vehicle Passenger	0	0	0	0	0	0	0	0	0	1	1	33.3
Pedestrian	0	0	0	0	0	0	0	0	0	0	0	0.0
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0.0
Motorcyclist (includes	0	0	0	0	0	0	0	0	0	0	0	0.0
passengers												
ATV Operators & Passengers	0	0	0	0	0	0	0	0	0	0	0	0.0
Snowmobile Operators	0	0	0	0	0	0	0	0	0	0	0	0.0
& Passengers												
Farm/Construction Equipment	0	0	0	0	0	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0	0	0	0	0	0.0
Unspecified	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	0	0	0	0	1	0	1	0	0	1	3	100.0

Persons Injured or Killed by Road User Class and Gender

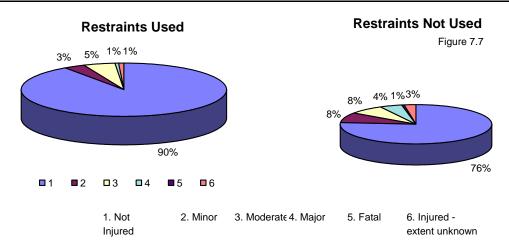
Figure 7.5

		Person	s Injured		Persons Killed			
Road User Class	Male	Female	Unknown	Total	Male	Female	Unknown	Total
Motor Vehicle Driver	50	41	0	91	2	0	0	2
Motor Vehicle Passenger	32	37	0	69	1	0	0	1
Pedestrian	5	6	0	11	0	0	0	0
Bicyclist	6	1	0	7	0	0	0	0
Motorcyclist (includes	3	0	0	3	0	0	0	0
passengers)								0
ATV Operators & Passengers	4	1	0	5	0	0	0	0
Snowmobile Operators	7	11	0	18	0	0	0	0
& Passengers								
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	108	97	0	205	3	0	0	3

Motor Vehicle* Occupants by Injury Severity and Restraint Use

						Fiç	gure 7.6
			Lap &	Child	Restraint		
	Not	Lap Belt	Torso	Restraint	Use		
Injury Severity	Restrained	Only	Belt	Device	Unknown	Total	%
Not Injured	120	49	895	26	298	1388	89.5
Minimal Injuries	13	2	32	1	7	55	3.5
Minor Injuries	12	2	50	1	6	71	4.6
Major (Hospital	7	0	6	0	2	15	1.0
Admission)							
Fatal	1	0	1	0	1	3	0.2
Injured - Extent	4	0	8	0	7	19	1.2
Unknown							
Total	157	53	992	28	321	1551	100.0

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



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

Injury Classification

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

Motor Vehicle* Occupants by Injury Severity & Age Group

Figure 7.8

Restraints Used

	0	5	15	20	25	35	45	55	65	Not	
Injury Severity	to 4	to 14	to 19	to 24	to 34	to 44	to 545	to 645 8	& older	Stated	Total
Not Injured	37	66	109	84	187	206	137	44	25	75	970
Minimal Injuries	1	1	4	5	7	9	5	1	0	2	35
Minor Injuries	1	6	5	6	15	10	6	1	2	1	53
Major (Hospital Admission)	0	0	1	1	2	1	1	0	0	0	6
Fatal	0	0	0	0	1	0	0	0	0	0	1
Injured - Extent Unknown	0	0	0	0	3	2	1	1	0	1	8
Total	39	73	119	96	215	228	150	47	27	79	1,073

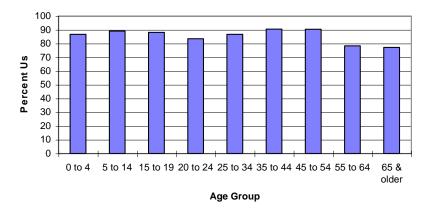
Restraints Not Used

	U	э	15	20	25	35	45	ວວ	65	NOt	
Injury Severity	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	& older	Stated	Total
Not Injured	4	6	8	14	22	21	13	11	8	13	120
Minimal Injuries	2	0	3	3	3	1	1	0	0	0	13
Minor Injuries	0	0	4	2	5	1	0	0	0	0	12
Major (Hospital Admission)	0	0	1	0	2	1	1	2	0	0	7
Fatal	0	0	0	0	0	0	1	0	0	0	1
Injured - Extent Unknown	0	3	0	0	1	0	0	0	0	0	4
Total	6	9	16	19	33	24	16	13	8	13	157

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

Victim Restraint Use Rate by Victim Age

Figure 7.9



Pedestrians

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Pedestrians

2001 Quick Facts on Pedestrian Collisions

- · 11 injured
- · none killed
- · 18% of the pedestrians injured were under the age of 15
- · All of the pedestrians were injured within a community
- · None of the pedestrians had been drinking or were impaired by alcohol

Pedestrians Injured or Killed by Age Group												Figure 8.1
	0	5	15	20	25	35	45	55	65	Not	- - - - -	è
Injured	0	2	1019	10 24	0 0	3	10 04	ol	& older	Stated 1	10tal	100.0
Killed Total	0 0	0 3	0	0	0	0 3	0	0	0	0	0 11	0.0
%	0.0	18.2	9.1	9.1	0.0	27.3	9.1	9.1	9.1	9.1	100.0	
Pedestrians Injured or Killed by Pedestrian Action and Age Group												Figure 8.2
	0	5	15	70	25	35	45	55	65	Not		
Pedestrian Action	to 4	to 14	to 19	to 24	to 34	to 44	to 54	to 64	older	Stated	Total	%
Crossing Intersection With Traffic Control, With Right-of-Way	0	0	0	0	0	0	0	1		0	1	9.1
Crossing Intersection With Traffic Control, Without Right-of-Way0 Crossing Intersection - No Traffic Control	<u>ر</u> د	00	0 0	0 0	0 0	00	0 0	00	0 0	0 0	0 0	0.0
	0	0	0	0	0	0		0		0	-	9.1
Crossing Roadway Not at Intersection	0	0	0	_	0	0	0	0		0	_	9.1
Walking Along Roadway Against Traffic	0	0	-	0	0	-	0	0		0	2	18.2
Walking Along Roadway With Traffic	0	0	0	0	0	_	0	0		0	_	9.1
On Sidewalk, Median, Safety Zone	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
Walking on Travelled Part of Roadway With Traffic	0	0	0	0	0	0	0	0		0	0	0.0
Coming from Behind Parked Vehicle/Object on Roadside	0	0	0	0	0	0	0	0		_	7	18.2
Coming from Behind Moving Vehicle	0	0	0	0	0	0	0	0		0	0	0.0
Running into Roadway	0	2	0	0	0	0	0	0		0	2	18.2
Getting On/Off School Bus	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
Pushing Vehicle on Road	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
Playing on Roadway	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
Lying on Road	0	0	0	0	0	0	0	0		0	0	0.0
Other	0	0	0	0	0	_	0	0		0	_	9.1
Unknown	0	0	0	0	0	0	0	0		0	0	0.0
Total	0	7	-	-	0	က	-	-	_	-	7	100.0

Pedestrians Injured or Killed By Place of Occurrence and Injury Severity

Figure 8.3

Place of Occurrence	Killed	Injured	Total	%
Urban	0	11	11	100.0
Rural	0	0	0	0.0
Unspecified	0	0	0	0.0
Total	0	11	11	100.0

Pedestrians Injured or Killed by Accident Site

Figure 8.4

Accident Site	Killed	Injured	Total	%
Non-Intersection	0	4	4	36.4
At Intersection of At Least Two Roadways	0	3	3	27.3
Intersection With Parking Lot/Driveway/Alley	0	2	2	18.2
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	2	2	18.2
Unspecified	0	0	0	0.0
Total	0	11	11	100.0

Pedestrians Injured or Killed by Pedestrian Condition

Figure 8.5

Pedestrian Condition	Killed	Injured	Total	%
Apparently Normal	0	7	7	63.6
Had Been Drinking	0	0	0	0.0
Impaired by Alcohol	0	0	0	0.0
Unknown	0	4	4	36.4
Total	0	11	11	100.0

Alcohol

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Alcohol

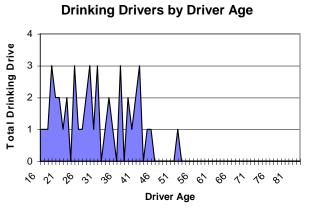
In 2001, there were 48 collisions involving alcohol in the Northwest Territories, resulting in 36 injuries. From the Figures, the following facts can be noted:

- · Alcohol was a factor in 7% of all collisions;
- 5% of drivers involved in collisions had been drinking or were impaired by alcohol;
- · 63% of drinking drivers were between the ages of 25 and 44;
- · Alcohol-related crashes are more frequent during late evening or early morning, on weekends and are more likely to take place during the summer months;
- · Alcohol was a factor in 17% of all traffic casualties.

Drinking Drivers in Collisions by Driver Age and Gender

Figure 9.1

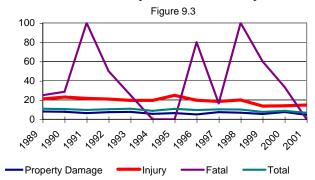
Driver Age	Male	Female	Not Stated	Total Drinking Drivers
Under 16	1	0	0	1
16	0	1	0	1
17	0	1	0	1
18	1	0	0	1
19	2	1	0	3
20	2	0	0	2
21 to 24	3	2	0	5
25 to 34	15	2	0	17
35 to 44	12	1	0	13
45 to 54	2	0	0	2
55 to 64	0	0	0	0
65 & Older	0	0	0	0
Not Stated	1	0	1	2
Total	39	8	1	48



Collisions Involving Alcohol by Day of Week Figure 9.2

16 14 Number of Collision 12 10 8 6 4 2 Mon Tue Wed Thu Fri Sat Sun

Percentage of Collisons Involving Alcohol by Year and Severity



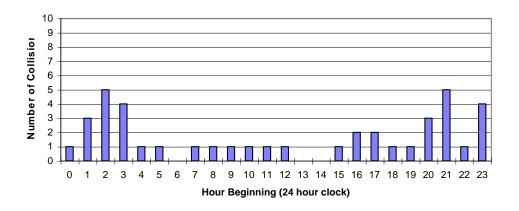
Number of Collisions and Victims Involving Alcohol

Figure 9.4

Number of Collisions						Number	of Viction	ms	
	Property	Personal			% of Total				% of Total
Year	Damage	Injury	Fatal	Total	Collisions	Injured	Killed	Total	Victims
1991	46	37	3	86	9.7	75	3	78	31.3
1992	50	38	3	91	10.5	59	3	62	23.3
1993	38	35	1	74	10.9	67	1	68	23.7
1994	32	34	0	66	8.9	51	0	51	20.9
1995	33	41	0	74	10.9	62	0	62	27.2
1996	25	28	8	61	9.6	50	8	58	26.7
1997	33	28	1	62	10.3	43	1	44	19.2
1998	31	27	2	60	10.2	45	2	47	23.7
1999	29	21	3	53	7.7	54	5	59	20.8
2000	41	18	1	60	8.8	30	3	33	17.6
2001	27	21	0	48	6.7	36	0	36	17.3
Average	35	30	2	67	9.5	52	2	54	22.9

Number of Alcohol Related Collisions by Time of Day

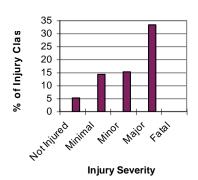
Figure 9.5



Injury Severity by Alcohol Involvement

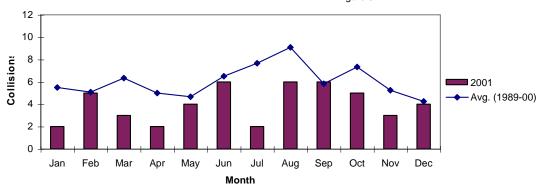
Eia	uro	a
гıу	ure	ອ.

_	Alconol Involvement			% With
Injury Severity	Yes	No	Totals	Alcohol
Not Injured	73	1,333	1406	5.2
Minimal Injuries	9	54	63	14.3
Minor	14	78	92	15.2
Major	8	16	24	33.3
Fatal	0	3	3	0.0
Injured - Extent Unknown	5	21	26	19.2
Total	109	1,505	1,614	6.8



Alcohol-Involved Collisions by Month





Off-Road Vehicles

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Off-Road Vehicles

Off-road vehicles, including snowmobiles and ATVs (All-Terrain Vehicles) are a common form of transportation throughout the Northwest Territories. The NWT is unique in that these types of vehicles are permitted to operate on roadways in communities. Despite their widespread use, relatively little is known about collisions involving snowmobiles and ATVs. Part of the problem lies with underreporting to the police. Only those collisions that occur on or adjacent to a roadway are captured by TCIS. This section attempts to describe the details of collisions with off-road vehicles

From the Figures, the following facts can be noted:

- · 70% of off-road vehicle collisions result in injuries or death
- 60% of off-road vehicle drivers involved in collisions are 24 years of age or younger
- · 8% of off-road vehicle drivers in collisions had been drinking or were impaired by alcohol
- only 15% of off-road vehicle drivers or passengers in collisions were wearing helmets

Off-Road Vehicle Collisions by Month and Severity

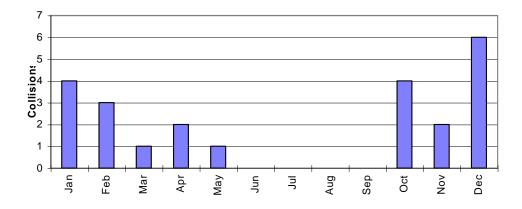
Figure 10.1

	N	Number of Collisions			Number of Victims		
	Property	Personal					
Month	Damage	Injury	Fatal	Total	Injured	Killed	
January	1	3	0	4	4	0	
February	1	2	0	3	3	0	
March	1	0	0	1	0	0	
April	1	1	0	2	1	0	
May	0	1	0	1	2	0	
June	0	0	0	0	0	0	
July	0	0	0	0	0	0	
August	0	0	0	0	0	0	
September	0	0	0	0	0	0	
October	0	4	0	4	5	0	
November	1	1	0	2	1	0	
December	2	4	0	6	7	0	
Total	7	16	0	23	23	0	

Off-Road Vehicle Collisions by Vehicle Type

Figure 10.2 **Snowmobile** ATV Total **Total Victims** 18 5 23 Killed 0 0 0 Injured 5 23 18 **Total Vehicles** 22 5 27 Involved 0 Fatal 0 0 5 Injury 14 19 **Property Damage** 8 0 8

Off-Road Vehicle Collisions by Month



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

Figure 10.3

	Snowmo	bile			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	4	1	0	0	0	0	5	20.0
15 to 19	2	4	0	1	0	0	7	28.0
20 to 24	1	1	0	1	0	0	3	12.0
25 to 34	3	0	0	1	1	0	5	20.0
35 to 44	1	0	0	1	0	0	2	8.0
45 to 54	0	0	0	0	0	0	0	0.0
55 to 64	0	0	0	0	0	0	0	0.0
65 & Over	0	0	0	0	0	0	0	0.0
Unknown	1	0	2	0	0	0	3	12.0
Total	12	6	2	4	1	0	25	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	1	3	0	4	16.0
Fatigue/Fell Asleep	0	0	0	0	0.0
Inexperience	2	3	0	5	20.0
Under Influence - Alcohol	0	2	0	2	8.0
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consiousness	0	0	0	0	0.0
Other Condition	0	0	0	0	0.0
Unknown	3	11	0	14	56.0
Total	6	19	0	25	100.0

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

Figure 10.5

	Property	Personal			-
Driver Action	Damage	Injury	Fatal	Total	%
Driving Properly	1	3	0	4	16.0
Following Too Closely	0	1	0	1	4.0
Distracted, Inattentive	1	4	0	5	20.0
Driving Too Fast for Conditions	1	1	0	2	8.0
Improper Turning or Passing	0	0	0	0	0.0
Failed to Yield Right-of-Way	1	3	0	4	16.0
Disobeyed Traffic Control or Officer	1	1	0	2	8.0
Driving on Wrong Side of Road	0	1	0	1	4.0
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	0	0	0	0.0
Lost Control	0	2	0	2	8.0
Other	0	1	0	1	4.0
Unknown	1	2	0	3	12.0
Total	6	19	0	25	100.0

Off-Road Vehicle Occupants by Injury Severity and Helmet Use

Figure 10.6

	Helmet	Helmet			1 igui o 10.0
Injury Severity	Worn	Not Worn	Unknown	Total	%
Not Injured	2	9	3	14	37.8
Minimal Injuries	0	3	0	3	8.1
Minor Injuries	2	9	0	11	29.7
Major (Hospital Admission)	1	5	0	6	16.2
Fatal	0	0	0	0	0.0
Injured - Extent Unknown	0	2	1	3	8.1
Total	5	28	4	37	100.0

Geographic Distribution

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Geographic Distribution

Figure 11.1 is a detailed summary of collisions by Region, RCMP detachment and severity. Sixty-three percent of the collisions took place in the North Slave Region. The North Slave Region also accounted for 49% of persons injured. Two-thirds of the fatalities took place in the Inuvik Region. Figure 11.2 shows collision rates per 100 licensed drivers, registered vehicles and population by Region and RCMP detachment.

Figure 11.3 describes collisions that occurred on the NWT Highway system. Collisions are summarized by location (along numbered highways), date, severity, configuration, and the number of persons injured and killed. Highway 3 (Yellowknife Highway) accounted for 35% of the collisions occurring on the numbered highway system.

Figure 11.4 is a map showing the number of collisions on various segments of the NWT Highway system, including Access and Winter roads. Figure 11.5 is a map showing the corresponding collision rates expressed in the number of collisions per million vehicle-kilometres of travel.

Collisions by Region, RCMP Detachment and Severity

Figure 11.1

A - Inuvik Region

		Number	of Collisions		Number o	of Victims
RCMP	Property	Personal				
Detachment	Damage	Injury	Fatal	Total	Injured	Killed
Aklavik	6	4	0	10	10	0
Deline	0	2	0	2	3	0
Fort Good Hope	1	0	0	1	0	0
Fort McPherson	15	7	0	22	13	0
Holman	0	0	0	0	0	0
Inuvik	61	12	0	73	22	0
Norman Wells	4	1	0	5	1	0
Sachs Harbour	1	0	0	1	0	0
Tuktoyaktuk	4	3	1	8	5	2
Tulita	5	0	0	5	0	0
Sub Total						
Inuvik Region	97	29	1	127	54	2

B - Fort Simpson Region

		Number of Collisions				of Victims
RCMP	Property	Personal				
Detachment	Damage	Injury	Fatal	Total	Injured	Killed
Fort Liard	5	1	0	6	1	0
Fort Simpson	13	3	0	16	6	0
Sub Total						
Fort Simpson Region	18	4	0	22	7	0

C - South Slave Region

		Number of Collisions			Number of Victims		
RCMP	Property	Personal					
Detachment	Damage	Injury	Fatal	Total	Injured	Killed	
Hay River	60	14	1	75	20	1	
Fort Providence	12	9	0	21	11	0	
Fort Resolution	2	0	0	2	0	0	
Fort Smith	11	7	0	18	12	0	
Lutsel K'e	0	0	0	0	0	0	
Sub Total							
South Slave Region	85	30	1	116	43	1	

D - North Slave Region

		Number of	Collisions		Number of Victims		
RCMP	Property	Personal					
Detachment	Damage	Injury	Fatal	Total	Injured	Killed	
Rae/Wha Ti	27	14	0	41	16	0	
Yellowknife	345	65	0	410	85	0	
Sub Total							
North Slave Region	372	79	0	451	101	0	
Total - All Regions	572	142	2	716	205	3	

Collision Rates by Region and RCMP Detachment

Figure 11.2

A - Inuvik Region

						Collision Rates	
RCMP	Number of	Licensed	Registered	Population	Collisions/	Collisions/	Collisions/
Detachment	Collisions	Drivers [1]	Vehicles [1]	(2001	100 Licensed	100 Registered	100
				estimate [2])	Drivers	Vehicles	Population
Aklavik	10	153	85	697	6.54	11.76	1.43
Deline	2	153	65	591	1.31	3.08	0.34
Fort Good Hope	1	174	100	718	0.57	1.00	0.14
Fort McPherson	22	255	225	1,054	8.63	9.78	2.09
Ulukhaktok	0	68	114	439	0.00	0.00	0.00
Inuvik	73	1,762	1,844	3,191	4.14	3.96	2.29
Norman Wells	5	538	709	734	0.93	0.71	0.68
Sachs Harbour	1	35	35	126	2.86	2.86	0.79
Tuktoyaktuk	8	366	342	1,341	2.19	2.34	0.60
Tulita	5	134	78	522	3.73	6.41	0.96
Sub Total							
Inuvik Region	127	3,638	3,597	9,413	3.49	3.53	1.35

B - Fort Simpson Region

					Collision Rates		
RCMP	Number of	Licensed	Registered	Population	Collisions/	Collisions/	Collisions/
Detachment	Collisions	Drivers [1]	Vehicles [1]	(2001	100 Licensed	100 Registered	100
				estimate [2])	Drivers	Vehicles	Population
Fort Liard	6	219	276	584	2.74	2.17	1.03
Fort Simpson	16	803	938	1,715	1.99	1.71	0.93
Sub Total	•						
Fort Simpson Region	22	1,022	1,214	2,299	2.15	1.81	0.96

C - South Slave Region

					Collision Rates		
RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2001	Collisions/ 100 Licensed	Collisions/ 100 Registered	Collisions/ 100
				estimate [2])	Drivers	Vehicles	Population
Hay River	75	2,719	3,775	4,279	2.76	1.99	1.75
Fort Providence	21	253	316	830	8.30	6.65	2.53
Fort Resolution	2	218	221	579	0.92	0.90	0.35
Fort Smith	18	1,468	2,248	2,426	1.23	0.80	0.74
Lutsel K'e	0	82	43	273	0.00	0.00	0.00
Sub Total			_				
South Slave Region	116	4,740	6,603	8,387	2.45	1.76	1.38

D - North Slave Region

					Collision Rates		
RCMP	Number of	Licensed	Registered	Population	Collisions/	Collisions/	Collisions/
Detachment	Collisions	Drivers [1]	Vehicles [1]	(2001	100 Licensed	100 Registered	100
				estimate [2])	Drivers	Vehicles	Population
Behchoko/Whati	41	783	748	2,658	5.24	5.48	1.54
Yellowknife	410	12,655	13,774	18,442	3.24	2.98	2.22
Sub Total							
North Slave Region	451	13,438	14,522	21,100	3.36	3.11	2.14

Total - All							
Regions	716	22,838	25,936	41,200	3.14	2.76	1.74

^[1] Number of registered vehicles and licensed drivers are as of December 31, 2001.

^{[2] 2001} population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 2002.

Collisions o	n the	NWT	Highway	, S	/stem

Figure 11.3

Highway #1 (Mackenzie)	On Km	Collision Date	Collision Severit		# Persons Injured	# Persons Killed
` ,	15.8	9 Jan 2001	Fatal	Collision with Parked Vehicle	1	1
	16.0	8 Jan 2001	Property Damage	Ran Off Road - Right	0	0
	60.0	4 Nov 2001	Property Damage	Ran Off Road - Right	0	0
	73.0	31 Jul 2001	Injury	Sideswipe - Opposite Direction	2	0
	80.0	3 Mar 2001	Property Damage	Other Multi-Vehicle Different Direction	0	0
	167.5	27 Oct 2001	Property Damage	Sideswipe - Opposite Direction	0	0
	232.5	15 Aug 2001	Injury	Single Vehicle Rollover	2	0
	250.0	16 Feb 2001	Property Damage	Ran Off Road - Right	0	0
	280.5	23 Aug 2001	Injury	Ran Off Road - Left	1	0
	322.0	12 Aug 2001	Injury	Single Vehicle Rollover	2	0
	411.8	10 Mar 2001	Property Damage	Ran Off Road - Left	0	0
	444.0	30 Mar 2001	Injury	Single Vehicle Rollover	2	0
	465.0	20 Oct 2001	Property Damage	Ran Off Road - Right	0	0
	469.3	8 Feb 2001	Property Damage	Single Vehicle Rollover	0	0
	477.3	6 Aug 2001	Property Damage	Single Vehicle Rollover	0	0
	539.0	11 Aug 2001	Injury	Single Vehicle Rollover	2	0
	550.5	18 Oct 2001	Property Damage	Collision with Parked Vehicle	0	0
	625.0	5 Mar 2001	Property Damage	Single Vehicle Rollover	0	0
	685.0	18 Feb 2001	Property Damage	Single Vehicle Rollover	0	0

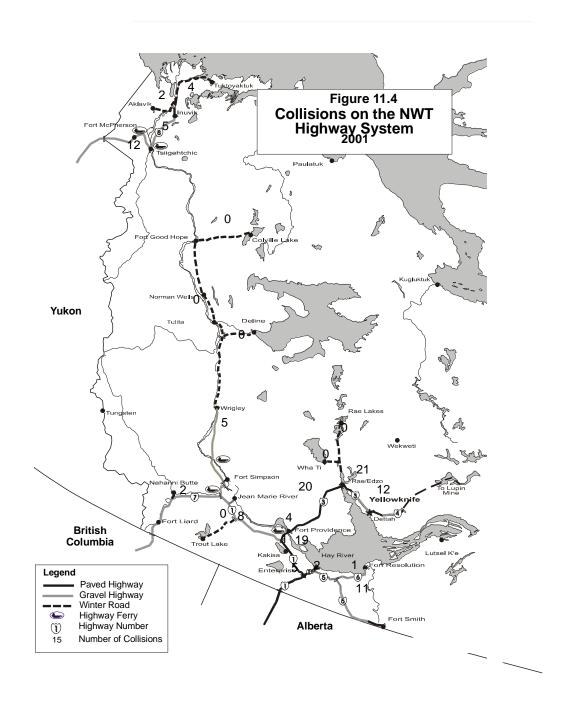
Summary	Property	Personal				
Highway #1	Damage	Injury	Fatal	Total	Persons	Persons
	Collisions	Collisions	Collisions	Collisions	Injured	Killed
	12	6	1	19	12	1
Highway #2	On Km	Collision	Collision	Collision	# Persons	# Persons
(Hay River)		Date	Severity	Configuration	Injured	Killed
	2.0	29 Aug 2001	Injury	Ran Off Road - Right	1	0
	14.0	29 Mar 2001	Property Damage	Single Vehicle Rollover	0	0
	15.0	28 Apr 2001	Property Damage	Ran Off Road - Right	0	0
	15.0	17 Dec 2001	Property Damage	Sideswipe - Opposite Direction	0	0
	22.1	13 Jul 2001	Injury	Single Vehicle Rollover	1	0
	34.0	6 Jun 2001	Property Damage	Ran Off Road - Right	0	0
	35.7	12 Jan 2001	Property Damage	Animal Strike	0	0
	36.1	10 Feb 2001	Property Damage	Single Vehicle Rollover	0	0
	36.2	9 Dec 2001	Property Damage	Ran Off Road - Right	0	0
	37.2	11 Aug 2001	Injury	Collision with Pedestrian	1	0
	37.7	23 Feb 2001	Property Damage	Collision with Fixed Object	0	0
	38.3	15 Sep 2001	Injury	Right Angle	1	0
	38.8	7 Jul 2001	Property Damage	Right Angle	0	0
	39.7	19 Oct 2001	Property Damage	Collision with Fixed Object	0	0
	41.5	9 Jun 2001	Injury	Single Vehicle Rollover	1	0
	42.2	3 Feb 2001	Property Damage	Ran Off Road - Left	0	0
	43.6	9 Oct 2001	Injury	Collision with Moving Object	1	0
	43.8	9 Jun 2001	Property Damage	Collision with Fixed Object	0	0
	45.4	12 Nov 2001	Property Damage	Ran Off Road - Left	0	0
Summary	Property	Personal				
Highway #2	Damage	Injury	Fatal	Total	Persons	Persons
	Collisions	Collisions	Collisions	Collisions	Injured	Killed
	13	6	0	19	6	0

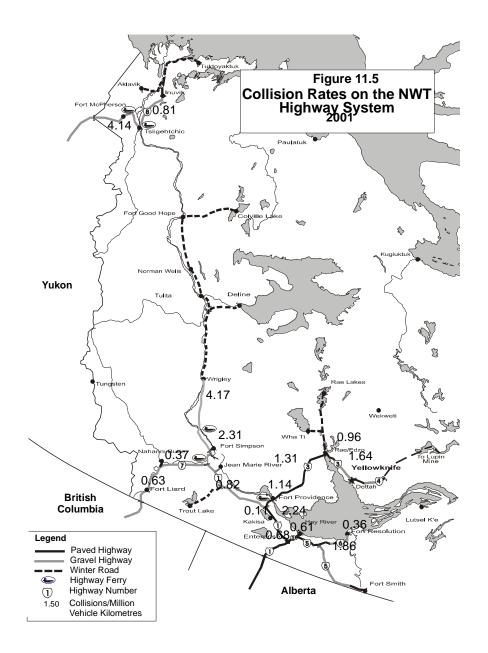
Highway #3	On Km	Collision	Collision		# Persons	# Persons
(Yellowknife)	4.0	16 Nov 2001	Severity Property Damage	Ran Off Road - Right	Injured 0	Killed 0
	17.2	11 Jan 2001	Property Damage	Collision with Parked Vehicle	0	0
	26.4	28 Jan 2001	Injury	Single Vehicle Rollover	1	0
	27.0	2 Dec 2001	Property Damage	Single Vehicle Rollover	0	0
	61.0	17 Dec 2001	Property Damage	Animal Strike	0	0
	70.0	11 Nov 2001	Property Damage	Animal Strike	0	0
	83.4	21 Aug 2001	Injury	Animal Strike	2	0
	92.0	11 Jan 2001	Injury	Single Vehicle Rollover	1	0
	100.0	6 Feb 2001	Injury	Single Vehicle Rollover	1	0
	110.0	9 Jan 2001	Property Damage	Animal Strike	0	0
	130.0	15 Sep 2001	Property Damage	Animal Strike	0	0
	138.8	25 Oct 2001	Property Damage	Animal Strike	0	0
	178.0	29 Mar 2001	Injury	Single Vehicle Rollover	2	0
	178.0	30 Sep 2001	Injury	Animal Strike	1	0
	178.8	31 Oct 2001	Property Damage	Animal Strike	0	0
	195.0	18 Dec 2001	Property Damage	Rear End	0	0
	217.0	28 Mar 2001	Property Damage	Rear End	0	0
	225.0	26 Dec 2001	Property Damage	Animal Strike	0	0
	230.0	7 Aug 2001	Property Damage	Animal Strike	0	0
	234.0	16 May 2001	Property Damage	Ran Off Road - Right	0	0
	238.0	27 Aug 2001	Injury	Single Vehicle Rollover	1	0
	239.0	27 Mar 2001	Injury	Single Vehicle Rollover	<u>. </u>	0
	240.7	15 Sep 2001	Injury	Single Vehicle Rollover	1	0
	241.9	30 Aug 2001	Property Damage	Passing - Left Turn	0	0
	246.0	18 Aug 2001	Property Damage	Ran Off Road - Right	0	0
	252.0	27 Nov 2001	Property Damage	Rear End	0	0
	257.2	1 Jun 2001	Injury	Single Vehicle Rollover	1	0
	265.0	3 Jun 2001	Property Damage	Ran Off Road - Left	0	0
	265.2	9 Mar 2001	Property Damage	Sideswipe - Opposite Direction	0	0
	273.0	23 Jun 2001	Injury	Single Vehicle Rollover	1	0
	273.0	18 Aug 2001	Property Damage	Single Vehicle Rollover	0	0
	278.2	16 Aug 2001	Injury	Single Vehicle Rollover	2	0
	280.0	20 Oct 2001	Property Damage	Ran Off Road - Right	0	0
	283.0	18 Aug 2001	Injury	Sideswipe - Opposite Direction	1	0
	289.0	28 Dec 2001	Property Damage	Ran Off Road - Right	0	0
	297.0	18 Oct 2001	Injury	Single Vehicle Rollover	1	0
	305.0	27 Oct 2001	Property Damage	Ran Off Road - Left	0	0
	308.0	22 Jun 2001	Injury	Collision with Parked Vehicle	1	0
	329.0	22 Oct 2001	Injury	Single Vehicle Rollover	1	0
	333.0	24 Aug 2001	Injury	Rear End	1	0
	334.5	4 Aug 2001	Injury	Single Vehicle Rollover	1	0
	338.3	17 Oct 2001	Injury	Head-on	3	0
	338.3	17 Nov 2001	Property Damage	Ran Off Road - Left	0	0
	338.8	28 Feb 2001	Property Damage	Right Turn - Perpendicular Road	0	0
	338.8	13 Sep 2001	Property Damage	Single Vehicle Rollover	0	0
Summary	Property	Personal				
Highway #3	Damage	Injury	Fatal	Total	Persons	Persons
	Collisions	Collisions	Collisions	S Collisions	Injured	Killed
<u> </u>	26	19) 45	24	0

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hicle Rollover	0 0
Total Person	ns Persons
Collisions Injur	ed Killed
2	0 0
Collision # Person	ns # Persons
Configuration Injure	ed Killed
-	
hicle Rollover	2 0
hicle Rollover	1 0
e - Opposite Direction	4 0
hicle Rollover	1 0
hicle Rollover	0 0
hicle Rollover	0 0
hicle Rollover	0 0
Left Turn	0 0
hicle Rollover	0 0
Road - Right	2 0
hicle Rollover	1 0
with Parked Vehicle	0 0
Road - Right	0 0
Road - Right	0 0
hicle Rollover	0 0
Road - Left	0 0
hicle Rollover	4 0
Collisions Injur	ed Killed

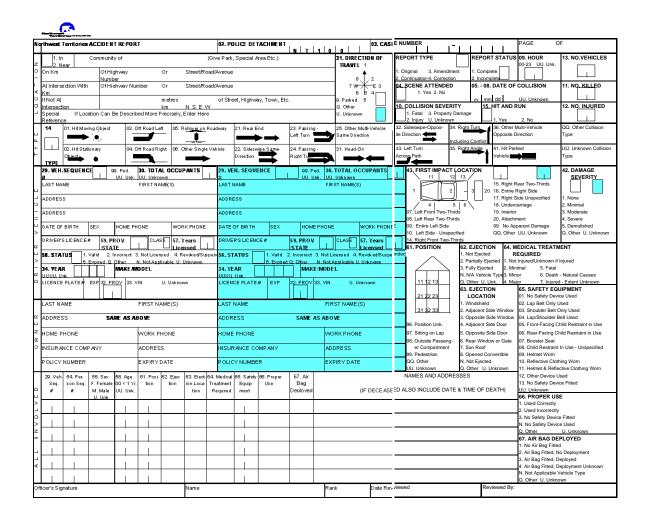
Access and			Collision	Collision	Collision	# Persons	# Persons
Winter Roads			Date	Severity	/ Configuration	Injured	Killed
Dettah Access Road		4	Jun 2001	Injury	Single Vehicle Rollover	1	0
Fort McPherson Access Road		7	Feb 2001	Injury	Right Angle	2	0
Fort McPherson Access Road		20	Mar 2001	Property Damage	Collision with Fixed Object	0	0
Fort Providence Access Road		17	Mar 2001	Property Damage	Single Vehicle Rollover	0	0
Hay River Reserve Access Road		3	Jul 2001	Injury	Right Angle	1	0
Hay River Reserve Access Road		13	Sep 2001	Injury	Single Vehicle Rollover	3	0
Hay River Reserve Access Road		7	Dec 2001	Property Damage	Other Multi-Vehicle Different Direction	0	0
Hay River Reserve Access Road		9	Sep 2001	Injury	Single Vehicle Rollover	3	0
Kakisa Lake Access Road		9	Feb 2001	Property Damage	Ran Off Road - Left	0	0
Rae Access Road		22	Nov 2001	Injury	Single Vehicle Rollover	1	0
Vee Lake Access Road		16	Mar 2001	Property Damage	Head-on	0	0
Yellowknife Access Road		16	Feb 2001	Property Damage	Ran Off Road - Left	0	0
Yellowknife Access Road		4	Apr 2001	Injury	Rear End	1	0
Yellowknife Access Road		2	Dec 2001	Injury	Right Angle	1	0
Aklavik Winter Access Road		11	Apr 2001	Property Damage	Single Vehicle Rollover	0	0
Aklavik Winter Access Road		5	May 2001	Injury	Ran Off Road - Left	1	0
Dettah Winter Access Road		28	Dec 2001	Property Damage	Ran Off Road - Right	0	0
Inuvik-Tuktoyaktuk Winter Road		23	Feb 2001	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road		3	Mar 2001	Property Damage	Passing - Left Turn	0	0
Inuvik-Tuktoyaktuk Winter Road		7	Mar 2001	Property Damage	Rear End	0	0
Inuvik-Tuktoyaktuk Winter Road		22	Mar 2001	Property Damage	Single Vehicle Rollover	0	0
Inuvik-Tuktoyaktuk Winter Road		13	Apr 2001	Fatal	Right Angle	2	2
Mackenzie Highway Winter Road		31	Jan 2001	Property Damage	Sideswipe - Opposite Direction	0	0
Summary	Property		Personal				
Access and	Damage		Injury	Fatal	Total	Persons	Persons
Winter Roads	Collisions		Collisions	Collisions	S Collisions	Injured	Killed
	13		9	1	23	16	2
Summary	Property		Personal				
All NWT	Damage		Injury	Fatal	Total	Persons	Persons
Highways	Collisions		Collisions	Collisions	Collisions	Injured	Killed
	96		53	2	2 151	87	3





Appendix

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Section	A1	Northwest Territories Motor Vehicle Collision (MVA) Report Form Side I	72
	A2	Northwest Territories MVA Report Form Side II	73
	A3	Brief Description of Fatal Collisions	74



16.ROADWAY CONFIGURATION	24 POAD SUPEACE	11. Urban Transit Bus	41. VEHICLE MANOEUVRE				
1. Non-Intersection	1. Dry, Normal	12. Intercity Bus	01. Going Straight	48. DRIVER ACTION	68. PEDESTRIAN ACTION	INDEPENDENT WI	
2. Intersection 2 Roads	2 Wet	14. Motorcycle	02. Turning Left	21. Following Too Closely	01. Crossing Intersection With ROW	Last Name	First Name
3. Intersection With	3. Snow (Fresh/Loose)	15. Motorcycle -	03. Turning Right	22. Distracted, Inattentive	02. Crossing Intersection Without ROW		
Parking Lot/Driveway/Alley	Show (Presh/Loose) Slush, Wet Snow	Speed Limited	04. Making U-Turn	23. Driving Too Fast For Conditions	04. In Crosswalk	Address	
Railroad Level Crossing		16. Off-Road Vehicle		24. Improper Turning Or Passing	05. Crossing Roadway At Midblock		
	5. Icy		05. Changing Lanes	25. Fail To Yield Right-Of-Way	06. Walking On Roadway Against Traffic	Home Phone	Work Phone
5. Bridge, Overpass, Viaduct	6. Sandy/Gravel/Dirt	17. Bicycle	06. Merging	26. Disobeyed Traffic Control Device/	07. Walking On Roadway With Traffic		
Tunnel Or Underpass	7. Muddy	18. Purpose-Built	07. Reversing	Police Officer	08. On Sidewalk, Median, Safety Zone	Last Name	First Name
Q. Other	8. Oil	Motor Home	08. Overtaking	27. Driving On Wrong Side Of Road	11. Coming From Behind Parked		
U. Unknown	9. Flooded	19. Farm Equipment	09. Negotiating Curve	29. Backing Unsafely	Vehicle/Object	Address	
17.WEATHER CONDITION	Q. Other	20. Construction Equipment	Slowing, Stopping	30. Lost Control	12. Coming From Behind Moving Vehicle	71001000	
Clear and/or Sunny	U. Unknown	22. Snowmobile	 Starting In Traffic 	NN. Driving Properly	13. Running Into Roadway	Home Phone	Work Phone
2. Overcast, Cloudy - No	25. ROAD CONDITION	QQ. Other UU. Unknown	12. Leaving Roadside	QQ. Other UU. Unknown	14. Getting On/Off School Bus	nome Frome	WORK PHONE
Precipitation	1. Good		13. Stopped/Parked Legally	49. VEHICLE FACTORS	15. Getting On/Off Vehicle	ADDITIONAL WITH	VECCES ON EU ES
3. Raining	2. Potholes, Bumps, Ruts	36. VEHICLE USE	14. Stopped/Parked Illegally	41. Defective Brakes	16. Pushing Vehicle Ped 1		No L
4. Snowing, Not Including	3. Under Construction, Repair	01. Taxi	15. Swerving To Avoid Collision	42. Defective Steering	17. Working On Vehicle		now Direction of Travel.
Drifting Snow	4. Uneven	02. School Bus	16. Run-Away Or Roll Away				
5. Freez. Rain, Sleet, Hail	5. Worn	03. Other Bus	Vehicle	43. Defective Lights			de Movement, Travel
Visibility Limitation (Eg.	6. Obscured/Faded Markings	04. Military	21. Unspecified Manoeuvre	44. Tire Blown Out	19. Working On Road	Lane, Fixed Objects	s, Traffic Controls.
Fog, Smoke, Dust, Mist)	Q. Other	05. Police Cruiser	QQ. Other UU. Unknown	45. Unsecured Or Spilled Load	20. Lying On Road Ped 3		
7. Strong Wind	U. Unknown	06. Other Police		46. Oversized Load, Overload	NN. Not a Pedestrian		
Q. Other	26. ROAD ALIGNMENT	07. Ambulance	44 - 46, VEHICLE EVENTS	47. Visibility Obstructed	QQ. Other UU. Unknown Ped 4	J	
U. Unknown	Straight And Level	08. Hearse	NON-COLLISION EVENTS:	48. Other Defective Parts			
18.LIGHT CONDITION	2. Straight With Grade	09. Tow Truck	01. Skidded Or Spun On Roadway	NN. No Defects			
1. Daylight	Curved And Level	10. Delivery Vehicle	02. Ran Off Road	QQ. Other UU. Unknown			
2. Dawn	Curved And Level Curved With Grade	11. Road Maintenance	03. Overturned, Rollover	50. ENVIRONMENTAL FACTORS			
				51. Animal On Roadway			
3. Dusk	5. Top Of Hill/Gradient	12. Utilities Maintenance	04. Jacknife Or Trailer Swing	52. Road Surface Or Other Condition			
5. Darkness	Bottom Of Hill/Gradient	13. Fire Response	05. Fire Or Explosion	53. Obstruction On Road			
U. Unknown	Q. Other	99. No Special Use	06. Load Spill	54. View Obstructed, Glare, Reflection			
19. ARTIFICIAL LIGHT	U. Unknown	QQ. Other	07. Load Shift EVT1	55. Weather Or Acts Of God			
CONDITION	27. TRAFFIC CONTROL	UU. Unknown	08. Submersion	NN. No Environmental Factors			
No Artificial Light	01. Traffic Signals - Oper.		09. Other Non-Collision Event	QQ. Other UU. Unknown			
2. Artificial Light - On	02. Traffic Signals - Flashing	37. EMERGENCY USE	HIT MOVING OBJECTS:	52. DANGEROUS GOODS CLASS	†		
Artificial Light - Off	03. Stop Sign	1. Yes	11. Hit Moving Motor Vehicle	1. Explosives			
U. Unknown	04. Yield Sign	2. No	12. Hit Pedestrian				
U. Unknown 20. ROAD CLASSIFICATION I	04. Yield Sign 05. Warning Sign	No Not an Emergency Vehicle	12. Hit Pedestrian 13. Hit Bicyclist EVT2	2. Gases			
				Gases Ilammable Liquids			
20. ROAD CLASSIFICATION I	05. Warning Sign	N. Not an Emergency Vehicle	13. Hit Bicyclist EVT2	Cases Sases Flammable Liquids Flammable Solids, Spontaneous			
20. ROAD CLASSIFICATION I 1. Urban	05. Warning Sign 06. Pedestrian Crosswalk	N. Not an Emergency Vehicle U. Unknown	13. Hit Bicyclist EVT2	Gases Flammable Liquids Flammable Solids, Spontaneous Combustibles			
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown	05. Warning Sign 06. Pedestrian Crosswalk 07. Police Officer 08. School Guard, Flagman	N. Not an Emergency Vehicle U. Unknown 38. TRAILER TYPE 1. Recreational Trailer	13. Hit Bicyclist EVT2 14. Hit Animal 15. Hit Train EVT3 19. Hit Another Moving Object	Gases Flammable Liquids Flammable Solids, Spontaneous Combustibles Oxidizers & Organic Peroxides			
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown 21. ROAD CLASSIFICATION II	05. Warning Sign 06. Pedestrian Crosswalk 07. Police Officer 08. School Guard, Flagman 09. School Crossing	N. Not an Emergency Vehicle U. Unknown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat)	13. Hit Bicyclist EVT2 14. Hit Animal 15. Hit Train EVT3 19. Hit Another Moving Object HIT NON-MOVING OBJECTS:	Gases Flammable Liquids Flammable Solids, Spontaneous Combustibles Oxidizers & Organic Peroxides Poisonous & Infectious Substances	DIAGRAM Use, Solid Direction, Lines Beli	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown 21. ROAD CLASSIFICATION II 2. Arterial	05. Warning Sign 06. Pedestrian Crosswalk 07. Police Officer 08. School Guard, Flagman 09. School Crossing 10. Reduced Speed Zone	N. Not an Emergency Vehicle U. Unknown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer	13. Hit Bicyclist EVT2 14. Hit Animal 15. Hit Train EVT3 19. Hit Another Moving Object HIT NON-MOVING OBJECTS: 21. Hit Parked Vehicle	Gases Flammable Liquids Flammable Solids, Spontaneous Combustibles Oxidizers & Organic Peroxides	DIAGRAM Use Solid Direction Lines Bell	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown 21. ROAD CLASSIFICATION II 2. Arterial 3. Collector	05. Warning Sign 06. Pedestrian Crosswalk 07. Police Officer 08. School Guard, Flagman 09. School Crossing 10. Reduced Speed Zone 11. No Passing Zone Sign	N. Not an Emergency Vehicle U. Unknown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 4. One Semi-Trailer	13. Hit Bicyclist EVT2 14. Hit Animal 15. Hit Train EVT3 19. Hit Another Moving Object HIT NON-MOVING OBJECTS: 21. Hit Parked Vehicle 22. Hit Non-Fixed Object	Gases Gases Flammable Liquids Flammable Solids, Spontaneous Combustibles Cowiders & Organic Peroxides Poisonous & Infectious Substances Redioactives Corrosives	DIAGRAM Use Solid Direction Lines Bell	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 1. Urban U. Unknown 21. ROAD CLASSIFICATION II 2. Arterial 3. Collector 4. Local	05. Warning Sign 06. Pedestrian Crosswalk 07. Police Officer 08. School Guard, Flagman 09. School Crossing 10. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings	N. Not an Emergency Vehicle U. Unknown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 4. One Semi-Trailer 5. Two Semi-Trailers, A-Train	13. Hit Bicyclist EVT2 14. Hit Animal 15. Hit Train EVT3 19. Hit Another Moving Object 11. Hit Parked Vehicle 22. Hit Non-Fixed Object 23. Hit Building	Gases Flammable Liquids Flammable Solids, Spontaneous Combustibles Solidizers & Organic Peroxides Poisonous & Infectious Substances Radioactives	DIAGRAM Use, Solid Direction Lines Bef	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown 21. ROAD CLASSIFICATION II 2. Arterial 3. Collector 4. Local Q. Other (Parking Lot)	05. Warning Sign 06. Pedestrian Crosswalk 07. Police Officer 08. School Guard, Flagman 09. School Crossing 10. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 13. School Bus Stopped/	N. Not an Emergency Vehicle U. Unknown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 4. One Semi-Trailer 5. Two Semi-Trailers, A-Train 6. Two Semi-Trailers, B-Train	13. Hit Bicyclist EVT2 14. Hit Animal 15. Hit Train EVT3 19. Hit Another Moving Object HIT NON-MOVING OBJECTS: 21. Hit Parked Vehicle 22. Hit Non-Fixed Object 23. Hit Building 24. Hit Ditch	Gases Gases Flammable Liquids Flammable Solids, Spontaneous Combustibles Cowiders & Organic Peroxides Poisonous & Infectious Substances Redioactives Corrosives	DIAGRAM Lise Solid Direction Lines Bell	ore Impact and Broke	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 1. Urban U. Unknown 21. ROAD CLASSIFICATION II 2. Arterial 3. Collector 4. Local	05. Warning Sign 06. Pedestrian Crosswalk 07. Police Officer 08. School Guard, Flagman 09. School Crossing 10. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 13. School Bus Stopped/ Lights Flashing	N. Not an Emergency Vehicle U. Unknown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 4. One Semi-Trailer 5. Two Semi-Trailers, A-Train 6. Two Semi-Trailers, Train	13. Hit Bicyclist EVT2 4. Hit Animal 15. Hit Train EVT3 19. Hit Another Moving Object HIT NON-MOVING OBJECTS: 21. Hit Parked Vehicle 22. Hit Non-Fixed Object 23. Hit Building 24. Hit Ditch 25. Hit Emaharment, Dirt Pile, Rock	Gases G	<u> </u>	ore Impact and Broke	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown 21. ROAD CLASSIFICATION II 2. Arterial 3. Collector 4. Local U. Unknown U. Unknown	05. Warning Sign 06. Pedestrian Crosswalk 07. Police Officer 08. School Guard, Flagman 09. School Crossing 10. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 13. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/	N. Not an Emergency Vehicle U. Unknown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 4. One Semi-Trailer 5. Two Semi-Trailer 6. Two Semi-Trailer 7. Two Semi-Trailer 7. Two Semi-Trailer 8. Trailer 8. Two Semi-Trailer 9. Two Semi-Trai	13. Hit Bicyclist EVT2 14. Hit Almisi 15. Hit Train EVT3 15. Hit Train EVT3 17. Hit Andrew Woring Object 17. No-MOVING OBJECTS: 27. Hit Parked Vehicle 22. Hit Building 22. Hit Building 25. Hit Embankment, Dir Pile, Rock 26. Hit Cürvert, Drainage	Cases Salamable Liquids Flammable Solids, Spontaneous Cornbustibles Oxidizars & Organic Peroxides Foreisonous & Infectious Substances Radioactives Oxorosives Misco Dangerous Goods Nict Commercial Vehicle	<u> </u>	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 2. Rural U. Unknown 2. Arterial 2. Arterial 2. Arterial 3. Collector 4. Local C. Other (Parking Lot) U. Unknown 22. ROAD CLASSIFICATION III 22. ROAD CLASSIFICATION III	Wanning Sign OB. Pedestrian Crosswalk 7. Police Officer OB. School Guard, Flagman OB. School Grossing 10. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 13. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/	N. Not as Emergency Vehicle Unknown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Uhily Trailer (Bost) 3. Commercial Full Trailer 4. One Semi-Trailer 5. Two Semi-Trailers, A-Train 6. Two Semi-Trailers, C-Train 7. Two Semi-Trailers, C-Train 8. Two Semi-Trailers, Connector Unknown	13. Hit Bixyclist EVT2 14. Hit Annail 15. Hit Train EVT3 19. Hit Another Moving Object HIT NON-MOVING OBJECTS: 21. Hit Parked Vehicle 22. Hit Non-Evand Object 23. Hit Building 24. Hit Dich 25. Hit Culvert, Drainage Structure	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustibles 5. Oxidizars & Organic Peroxides 6. Poisonous & Infectious Substances 7. Radioactives 8. Corrosives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle Q. Other U. Unknown 53. LOAD STATUS	<u> </u>	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural 1. Unknown 21. ROAD CLASSIFICATION II 2. Arterial 3. Collector 4. Local 0. Other (Parking Lot) U. Unknown 22. ROAD CLASSIFICATION III 1. One-Way, 2-Lane	Wanning Sign Research Crosswalk Polestran Crosswalk Polestran Crosswalk Polestran School Quard, Flagman School Quard, Flagman Reduced Speed Zone No Passing Zone Sign Reduced Speed Zone No Passing Zone Sign Reduced Speed Reduced Speed Lights Flashing School Bus Stopped/ Lights Not Flashing Rad Crossing With	N. Not as Emergency Vehicle U. Udokrown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 4. One Semi-Trailer 5. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, E-Train 7. Two Semi-Trailers, Cornector Unknown 7. Trailers 7. Two Semi-Trailers	13. Hit Bicyclist EVT2 14. Hit Almis 15. Hit Train EVT3 15. Hit Train EVT3 15. Hit Train EVT3 17. Hit Another Woring Object 17. NON-MOVING OBJECTS: 21. Hit Parked Vehicle 22. Hit Non-Fixed Object 23. Hit Building 25. Hit Embankment, Dirt Pile, Rock 26. Hit Culvert, Drainage Structure 27. Hit Tree@blush/Hedge	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustibles 5. Oxidizers & Griganic Peroxides 6. Poisonous & Infectious Substances 7. Radiacatives 8. Corrosives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle O. Other U. Unknown 53. LOAD STATUS COMMERCIAL VEHICLES	<u> </u>	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown 2. Arterial 3. Collector 4. Local U. Unknown 22. ROAD CLASSIFICATION III 1. One-Way, Z-Lane U. One-Way, Z-Lane U. One-Way, Z-Lane	Waming Sign Be Pedestrian Crosswalk Police Officer School Guard, Flagman School Grossing Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red Red	N. Not as Emergency Vehicle U. Unknown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 4. One Semi-Trailers, A-Train 6. Two Semi-Trailers, C-Train 7. Two Semi-Trailers, C-Train 8. Two Semi-Trailers, C-monector Unknown 9. Three Semi-Trailers N. No Trailers N. No Trailers	13. Hit Bicyclist EVT2 14. Hit Annail 15. Hit Train EVT3 19. Hit Another Moving Object HIT MON-MOVING OBJECTS: 21. Hit Parked Vehicle 22. Hit Non-Fixed Object 23. Hit Suldring 24. Hit Ditch 25. Hit Embankment, Dirt Pile, Rock 26. Hit Culvert, Drainage Structure 27. Hit Tree/Bush/Hedge 28. Hit Light/Utility Pole	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustibles 6. Dixidizers & Organic Peroxides 6. Prisonous & Infectious Substances 7. Radiacatives 8. Corrosives 9. Corrosives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle 2. Other U. Unknown 53. LOAD STATUS COMMERCIAL VEHICLES 1. FullyParality Loaded	<u> </u>	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural 2. Rural 2. Autral 2. Arterial 3. Collector 4. Local 4. Local U. Unknown 22. ROAD CLASSIFICATION II 1. Cone-Way, 2-Lane 2. One-Way, Multi-Lane 3. Undviside, 2-Way, 2-Lane	05. Wanning Sign 06. Pedestrian Crosswalk 07. Police Officer 08. School Quard, Flagman 09. School Crossing 10. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 12. Road Markings 13. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/ Lights Not Flashing 15. Rail Crossing With Signals and/or Gates 16. Rail X-mg. Signs Only	N. Not as Emergency Vehicle U. Uchrowan 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 3. Commercial Full Trailer 5. Two Semi-Trailer 6. Two Semi-Trailer 7. Two Semi-Trailer 7. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Cornector Unknown N. Trailers N. No Trailers N. No Trailers	13. Hit Bicyclint EVT2 14. Hit Almin 15. Hit Train EVT3 15. Hit Train EVT3 15. Hit Train EVT3 17. Hit Another Woring Object 17. NON-MOVING OBJECTS: 21. Hit Parked Vehicle 22. Hit Non-Fixed Object 23. Hit Didnin 25. Hit Embankment, Diri Pile, Rock 26. Hit Culvert, Drainage Structure 27. Hit Tree/Bush/Hedge 28. Hit Light/Utility Pole 29. Hit Culv	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustibles 5. Oxidizers & Griganic Peroxides 6. Poisonous & Infectious Substances 7. Radioactives 8. Corrosives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle Q. Other U. Unknown 53. LOAD STATUS COMMERCIAL VEHICLES 1. FullyPartially Loaded 1. PollyPartially Loaded 1. Research	<u> </u>	ore-Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown 21. ROAD CLASSIFICATION II 2. Arterial 3. Collector 4. Local C. Other (Parking Lot) U. Unknown 22. ROAD CLASSIFICATION III 1. One-Way, Z-Lane 2. One-Way, Multi-Lane 3. Undivided, 2-Way, Z-Lane 4. Undivided, 2-Way, Multi-Lane	Wanning Sign De Pedestrian Crosswalk Police Officer School Guard, Flagman School Grossing School Crossing Red Red Red Red Red Red Red Red Red	N. Not as Emergency Vehicle U. Unknown 38. TRAILER TYPE 1. Recreational Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 4. One Semi-Trailers, A-Train 6. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Connector Unknown 9. Three Semi-Trailers N. No Trailers N. No Trailers O. Other U. Unknown	13. Hit Bicyclist EVT2 14. Hit Almain 15. Hit Train EVT3 19. Hit Another Moving Object HIT NON-MOVING OBJECTS: 21. Hit Parked Vehicle 22. Hit Non-Fixed Object 23. Hit Building 24. Hit Ditch 25. Hit Embankment, Dirt Pile, Rock 26. Hit Culvett, Drainage Structure 27. Hit Tree/BushHedge 28. Hit Light/Utility Pole 29. Hit Curb 30. Hit Polet 30. Hit Polet 30. Hit Polet 30. Hit Curb 30. Hit Polet 30. Hit Curb 30. Hit Polet 30. Hit Curb 30. Hit Polet	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustibles 5. Oxidizars à Organic Peroxides 6. Poisonous à Infectious Substances 7. Radiacetives 8. Cornosives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle O.Other U. Unknown 53. LOAD STATUS COMMERCIAL VEHICLES 1. FullyParality Loaded 2. Not Loaded N. Not a Commercial Vehicle	<u> </u>	ore Impact and Brok	en.Lines.After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural 2. Rural 21. ROAD CLASSIFICATION II 2. Arterial 3. Collector 4. Local 0. Other (Parking Lot) U. Unknown 22. ROAD CLASSIFICATION III 1. One-Way, 2-Lane 2. One-Way, Multi-Lane 3. Undivided, 2-Way, Multi-Lane 4. Undivided, 2-Way, Multi-Lane 4. Undivided, 2-Way, Multi-Lane	DS. Wanning Sign DS. Pedestrian Crosswalk Of Police Officer OS. School Quard, Flagman DS. School Crossing DS. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 13. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/ Lights Not Flashing 15. Rail Crossing With Signals and/or Gates 16. Rail X-mg. Signs Only 17. Unspec. Control Device 18. No Control Present	N. Not as Emergency Vehicle U. Undersown 38. TRAILER TYPE 18. Recorastional Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 4. Choe Semi-Trailer 5. Two Semi-Trailers, B-Train 6. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Cornector Undersown N. No Trailers N. No Trailers U. Undersown U. Undersown J. S. U. Semi-Trailers U. Undersown	13. Hit Bicyclint EVT2 14. Hit Animal 15. Hit Train EVT3 15. Hit Train EVT3 15. Hit Train EVT3 15. Hit Train EVT3 15. Hit Another Moving Object 11H TNON-MOVING CBLECTS: 22. Hit Did Vehicle 22. Hit Non-Fixed Object 23. Hit Did Vehicle 25. Hit Embankment, Dirt Pile, Rock 26. Hit Clufvet, Drainage Structure 27. Hit Tree(Bush/Hedge 28. Hit Light/Utility Pole 29. Hit Curb 30. Hit Poat 31. Hit Traific Barrier	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustibles 5. Oxidizers & Organic Peroxides 6. Poisonous & Infectious Substances 7. Radiacatives 6. Corrosaives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle O. Other U. Unknown 53. LOAD STATUS COMMERCIAL VEHICLES 1. Fully/Partially Loaded N. Not a Commercial Vehicle O. Not Loaded N. Not a Commercial Vehicle O. Other U. Unknown	<u> </u>	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown 2. Rural U. Unknown 2. Arterial 3. Collector 4. Local 4. Local 4. Local C. Other (Parking Lot) U. Unknown 22. ROAD CLASSIFICATION III 2. ROAD CLASSIFICATION III 1. One-Way, 2-Lane 2. One-Way, Multi-Lane 3. Undn/vided, 2-Way, 2-Lane 5. Divided, With Barrier 5. Divided, With Barrier 5. Divided, With Median	DS. Wanning Sign DS. Pedestrian Crosswalk O7. Police Officer O8. School Guard, Flagman O9. School Crossing 10. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 12. Road Markings 14. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/ Lights Not Flashing 15. Rail Crossing With Signals and'or Gates 16. Rail X-ing. Signs Only 17. Unspec. Control Device 18. No Control Device 18. No Control Present Oo. Other	N. Not as Emergency Vehicle U-thoroum 38. TRAILER TYPE 1. Recreational Trailer 2. Light Unity Trailer (Boat) 3. Commercial Full Trailer 4. One Semi-Trailer, B-Train 6. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Connector U-thoroum 9. There Semi-Trailers N. No Trailers N. No Trailers O. Other 39. USE OF HEADLIGHTS 39. USE OF HEADLIGHTS 18. No Headlights On/Not Equipped	13. His Bicyclist EVT2 14. His Almain 15. His Train EVT3 15. His Train EVT3 19. His Another Moving Object HIT NON-MOVING OBJECTS: 21. His Parked Vehicle 23. His Building 24. His Ditch 25. His Embankment, Dirt Pile, Rock 25. His Embankment, Dirt Pile, Rock 26. His Lülvert, Drainage Smoture 27. His TreeBushVedge 28. His Lülvert, Drainage 31. His Traffic Barrier 31. His Traffic Barrier 31. His Traffic Barrier 32. His Other Fixed Object,	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Corribustibles 5. Oxidizars à Organic Peroxides 6. Poisonous & Infectious Substances 7. Radiacutives 8. Corrosives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle Q. Other U. Unknown 53. LOAD STATUS COMMERCIAL VEHICLES 1. FullyPartailly Loaded 2. Not Loaded N. Not a Commercial Vehicle Q. Other U. Unknown 6. Oxide Commercial Vehicle O. Other U. Unknown 6. Oxide Commercial Vehicle Oxide Comm	<u> </u>	ore Impact and Brok	en.Lines.After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural 2. Rural 2. Aural 2. Arterial 2. Collector 4. Local 4. Local 2. Coner (Parking Lot) 0. Unknown 22. ROAD CLASSIFICATION III 1. One-Way, 2-Lane 2. One-Way, Multi-Lane 3. Undivided, 2-Way, Z-Lane 4. Undivided, 2-Way, Multi-Lane 5. Divided, With Barrier 6. Divided, With Median 7. Divided, Type Unspecified	DS. Wanning Sign DS. Pedestrian Crosswalk Of. Police Officer DS. School Guard, Flagman DS. School Crossing DS. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 12. Road Markings 13. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/ Lights Not Flashing 15. Rail Crossing With Signals and/or Gates 16. Rail X-mg. Signs Only 17. Unspec. Control Device 18. No Control Present QO. Other UU, Unknown	N. Not an Emergency Vehicle U. Underkown 38. TRAILER TYPE 18. Recreational Trailer 2. Light Unity Trailer (Boat) 3. Commercial Full Trailer 4. Chos Semi-Trailers, B-Train 5. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Cornector Undrozom N. No Trailers N. No Trailers U. Undrozo U. Undrozo 1. No Gendights Conhot Equipped U. Undrozo 1. No Headlights Conhot Equipped 2. Deglime Running Lights Con	13. Hit Bicyclint EVT2 14. Hit Animal 15. Hit Train 15. Hit Another Moving Object 11. Hit Parket Vehicle 12. Hit Building 12. Hit Building 12. Hit Building 12. Hit Clutch 15. Hit Curret. Drainage Structure 17. Hit Tree/Builsh/Hedge 28. Hit Light/Utility Pole 29. Hit Curret 30. Hit Post 31. Hit TrainG Barrier 32. Hit Curret 32. Hit Curret 32. Hit Curret 33. Hit TrainG Barrier 34. Hit TrainG Structure	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustitles 5. Oxidizers & Organic Peroxides 6. Oxidizers & Organic Peroxides 7. Radioactives 8. Corrosives 9. Misc. Dangerous Goods N. Net a Commercial Vehicle O. Other U. Unknown 33. LOAD STATUS COMMERCIAL VEHICLES 1. Fully/Partially Loaded N. Not a Commercial Vehicle O. Other U. Unknown 60. BLOOD ALCOHOL CONCENTRATION	<u> </u>	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural 2. Rural 2. Aural 2. Arterial 2. Collector 4. Local 4. Local 2. Coner (Parking Lot) 0. Unknown 22. ROAD CLASSIFICATION III 1. One-Way, 2-Lane 2. One-Way, Multi-Lane 3. Undivided, 2-Way, Z-Lane 4. Undivided, 2-Way, Multi-Lane 5. Divided, With Barrier 6. Divided, With Median 7. Divided, Type Unspecified	DS. Wanning Sign DS. Pedestrian Crosswalk O7. Police Officer O8. School Guard, Flagman O9. School Crossing 10. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 12. Road Markings 14. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/ Lights Not Flashing 15. Rail Crossing With Signals and'or Gates 16. Rail X-ing. Signs Only 17. Unspec. Control Device 18. No Control Device 18. No Control Present Oo. Other	N. Not as Emergency Vehicle U-thoroum 38. TRAILER TYPE 1. Recreational Trailer 2. Light Unity Trailer (Boat) 3. Commercial Full Trailer 4. One Semi-Trailer, B-Train 6. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Connector U-thoroum 9. There Semi-Trailers N. No Trailers N. No Trailers O. Other 39. USE OF HEADLIGHTS 39. USE OF HEADLIGHTS 18. No Headlights On/Not Equipped	13. His Bicyclist EVT2 14. His Almain 15. His Train EVT3 15. His Train EVT3 19. His Another Moving Object HIT NON-MOVING OBJECTS: 21. His Parked Vehicle 23. His Building 24. His Ditch 25. His Embankment, Dirt Pile, Rock 25. His Embankment, Dirt Pile, Rock 26. His Lülvert, Drainage Smoture 27. His TreeBushVedge 28. His Lülvert, Drainage 31. His Traffic Barrier 31. His Traffic Barrier 31. His Traffic Barrier 32. His Other Fixed Object,	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Corribustibles 5. Oxidizers à Organic Peroxides 6. Poisonous & Infectious Substances 7. Radiacutes 8. Corrosives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle Q. Other U. Unknown 53. LOAD STATUS COMMERCIAL VEHICLES 1. Fully/Partially Loaded 2. Not Loaded N. Not a Commercial Vehicle Q. Other U. Unknown 60. BLOOD ALCOHOL CONCENTRATION 000-500 BAC (ngfs) of Driver	<u> </u>	ore Impact and Brok	en.Lines.After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural 2. Rural 2. Aural 2. Arterial 2. Collector 4. Local 4. Local 2. Coner (Parking Lot) 0. Unknown 22. ROAD CLASSIFICATION III 1. One-Way, 2-Lane 2. One-Way, Multi-Lane 3. Undivided, 2-Way, Z-Lane 4. Undivided, 2-Way, Multi-Lane 5. Divided, With Barrier 6. Divided, With Median 7. Divided, Type Unspecified	DS. Wanning Sign DS. Pedestrian Crosswalk Of. Police Officer DS. School Guard, Flagman DS. School Crossing DS. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 12. Road Markings 13. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/ Lights Not Flashing 15. Rail Crossing With Signals and/or Gates 16. Rail X-mg. Signs Only 17. Unspec. Control Device 18. No Control Present QO. Other UU, Unknown	N. Not an Emergency Vehicle U. Underkown 38. TRAILER TYPE 18. Recreational Trailer 2. Light Unity Trailer (Boat) 3. Commercial Full Trailer 4. Chos Semi-Trailers, B-Train 5. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Cornector Undrozom N. No Trailers N. No Trailers U. Undrozo U. Undrozo 1. No Gendights Conhot Equipped U. Undrozo 1. No Headlights Conhot Equipped 2. Deglime Running Lights Con	13. Hit Bicyclint EVT2 14. Hit Animal 15. Hit Train 15. Hit Another Moving Object 11. Hit Parket Vehicle 12. Hit Building 12. Hit Building 12. Hit Building 12. Hit Clutch 15. Hit Curret. Drainage Structure 17. Hit Tree/Builsh/Hedge 28. Hit Light/Utility Pole 29. Hit Curret 30. Hit Post 31. Hit TrainG Barrier 32. Hit Curret 32. Hit Curret 32. Hit Curret 33. Hit TrainG Barrier 34. Hit TrainG Structure	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustilles 5. Oxidizers & Organic Peroxides 6. Oxidizers & Organic Peroxides 7. Radioactives 8. Corrosives 9. Mac. Dangerous Goods N. Not a Commercial Vehicle O. Other U. Unknown 53. LOAD STATUS COMMERCIAL VEHICLES 1. Fully/Partially Loaded N. Not a Commercial Vehicle O. Other U. Unknown 60. BLOOD ALCOHOL CONCENTRATION 000-500 BAC (mg/sk) of Driver /Pedestrian	<u> </u>	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown 2. Rural U. Unknown 2. Arterial 3. Collector 4. Local 4. Local 4. Local U. Unknown 22. ROAD CLASSIFICATION II U. Unknown 22. ROAD CLASSIFICATION III 1. One-Way, 2-Lane 2. One-Way, Multi-Lane 3. Undivided, 2-Way, 2-Lane 4. Undivided, 2-Way, Multi-Lane 5. Divided, With Barrier 5. Divided, With Median 7. Divided, With Median 7. Divided, Type Unspecified O. Other (Parking Lot)	DS. Wanning Sign DS. Pedestrian Crosswalk Of. Police Officer DS. School Guard, Flagman DS. School Crossing DS. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 12. Road Markings 13. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/ Lights Not Flashing 15. Rail Crossing With Signals and/or Gates 16. Rail X-mg. Signs Only 17. Unspec. Control Device 18. No Control Present QO. Other UU, Unknown UV, Present	N. Not as Emergency Vehicle U-thoroom 38. TRAILER TYPE 1. Recreational Trailer 2. Light Unity Trailer (Bost) 3. Commercial Full Trailer 4. One Semi-Trailers, B-Train 5. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Cornector Unknown 1. Trailers 1. Tree Semi-Trailers 1. No Trailers 1. Other 1. Tree Semi-Trailer 1. No Trailers 1. No Trailers 2. Other 1. No Headights On-Not Equipped 2. Daytime Running Lights On 1. Nel-Beddights On-Not Equipped 2. Daytime Running Lights On 1. Headights On-Not Equipped 2. Daytime Running Lights On 1. Headights On-Not Equipped 2. Daytime Running Lights On 1. Headights On-Not Equipped 2. Daytime Running Lights On 1. Headights On-Not Equipped 3. Headights On-Not Equipped 4. Headights On-Not Equipped 5. Headights On-Not Equipped 6.	13. Hit Bicyclist EVT2 14. Hit Almain 15. Hit Train EVT3 15. Hit Train EVT3 19. Hit Another Moving Object HIT NON-MOVING OBJECTS: 21. Hit Parked Vehicle 22. Hit Building 24. Hit Ditch 25. Hit Embankment, Dirt Pile, Rock 26. Hit Culvert, Drainage Structure 27. Hit Tree/Bush/Hedge 28. Hit Light/Utility Pole 29. Hit Curb 30. Hit Post 31. Hit Traific Barrier 32. Hit Other Ewed Object, Part Of Road Structure 33. Hit Other Fixed Object	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustibles 5. Oxidizers à Organic Peroxides 6. Poisonous & Infectious Substances 7. Radiacetive 8. Corrosives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle Q. Other U. Unknown 53. LOAD STATUS COMMERCIAL VEHICLES 1. Fully/Partially Loaded N. Not a Commercial Vehicle Q. Other U. Unknown 6. BLOOD ALCOHOL CONCENTRATION 1000-500 BAC (CIPR) of Driver Predestrian 600. Not Tested, DriverPedestrian	<u> </u>	ore Impact and Brok	en.Lines.After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural 1. ROAD CLASSIFICATION II 2. Roral 3. Collector 4. Local 0. Other (Parking Lot) U. Urknown 22. ROAD CLASSIFICATION III 1. One-Way, 2-Lane 2. One-Way, Multi-Lane 3. Undrivided, 2-Way, Multi-Lane 4. Undrivided, 2-Way, Multi-Lane 5. Divided, With Barrier 6. Divided, With Barrier 6. Divided, With Median 7. Divided, Type Unspecified C. Other (Parking Lot) U. Urknown	DS. Wanning Sign DS. Pedestrian Crosswalk Of. Police Officer DS. School Guard, Flagman DS. School Crossing DS. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 12. Road Markings 13. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/ Lights Not Flashing 15. Rail Crossing With Signals and/or Gates 16. Rail X-mg. Signs Only 17. Unspec. Control Device 18. No Control Present QO. Other UU, Unknown UV, Present	N. Not an Emergency Vehicle U. Undersoom 38. TRAILER TYPE 18. Recoractional Trailer 2. Light Utility Trailer (Boat) 3. Commercial Full Trailer 4. Cone Semi-Trailers 5. Two Semi-Trailers, B-Train 6. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Carrian 7. Two Semi-Trailers, Connector Undrozom 1. Trailers 1. Trailers 1. Trailers 1. No Trailers 1. No Trailers 1. Undrazom 1. Undrazom 1. No Trailers 1. No Headlights On/Not Equipped 2. Deptime Running Lights On 1. Headlights On 1.	13. Hit Bicyclint EVT2 14. Hit Animal 15. Hit Train 16. Hit Clubra 17. Hit Trae(Bush/Hedge 28. Hit Light/Utility Pole 29. Hit Clubra 30. Hit Post 31. Hit Train(B. Barrier 32. Hit Clubra 17. Hit Trae(B. Barrier 32. Hit Clubra 33. Hit Clubra 34. Hit Clubra 35. Hit Clubra 36. Hit Clubra 36. Hit Clubra 37. Hit Train(B. Barrier 38. Hit Clubra 37. Hit Train(B. Barrier 38. Hit Clubra 38. Hit Clubra 39. Hit Clubra 39. Hit Clubra 30. Hit Clubra 31. Hit Train(B. Barrier 30. Hit Clubra 31. Hit Train(B. Barrier 30. Hit Clubra 31. Hit Train(B. Barrier 32. Hit Clubra 33. Hit Clubra 34. Hit Clubra 35. Hit Clubra 36. Hit Clubra 36. Hit Clubra 37. Hit Clubra 37. Hit Clubra 38. Hit Clubra 39. Hit Clubra 30. Hit Clubra 31. Hit Train(B. Hit Clubra 31. Hit Train(B. Hit Clubra 32. Hit Clubra 33. Hit Clubra 34. Hit Clubra 35. Hit Clubra 36. Hit Clubra 37. Hit Train(B. Hit Clubra 37. Hit Train(B. Hit Clubra 38. Hit Clubra 39. Hit Clubra 39. Hit Clubra 30. Hit Clubra 31. Hit Train(B. Hit Clubra 31. Hit Train(B. Hit Clubra 32. Hit Clubra 33. Hit Clubra 34. Hit Clubra 35. Hit Clubra 36. Hit Clubra 37. Hit Train(B. Hit Clubra 37. Hit Train(B. Hit Clubra 38. Hit Clubra 38. Hit Clubra 39. Hit Clubra 39. Hit Clubra 30. Hit Clubra 30. Hit Clubra 30. Hit Clubra 30. Hit Cl	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustitles 5. Oxidizers & Organic Peroxides 6. Oxidizers & Organic Peroxides 7. Radioactives 8. Corrosives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle 2. Other U. Unknown 33. LOAD STATUS COMMERCIAL VEHICLES 1. FullyPartially Loaded N. Not a Commercial Vehicle O. Other U. Unknown 60. BLOOD ALCOHOL CONCENTRATION DOS-500 BAC (mg/s) of Driver Pedestrian 600. Not Tested, DriverPedestrian Dead, Alcohol Use Suspected	North	ore Impact and Brok	en Lines After
20. ROAD CLASSIFICATION I 1. Urban 2. Rural U. Unknown 2. Rroad CLASSIFICATION II 2. Arreral 3. Collector 4. Local 4. Local 4. Local 1. Conserved Construction III 1. One-Way, 2-Lane 2. One-Way, Multi-Lane 5. Divided, With Barrier 6. Divided, With Median 7. Divided, With Median 7. Divided, Type Unspecified O. Other (Parking Lot) U. Unknown 1. Undivided, 2-Way, Pulmane U. Unknown 2. ROAD MATERIAL	05. Wanning Sign 06. Pedestrian Crosswalk 07. Police Officer 08. School Guard, Flagman 09. School Grossing 10. Reduced Speed Zone 11. No Passing Zone Sign 12. Road Markings 12. Road Markings 12. Road Markings 13. School Bus Stopped/ Lights Flashing 14. School Bus Stopped/ Lights Not Flashing 15. Rail Crossing With Signals and/or Gates 16. Rail X-ray, Signa Cohy 17. Unspec. Control Device 18. No Control Present Qo. Other UU. Unknown 28. POSTED SPEED LIMIT	N. Not an Emergency Vehicle U. Underkown 38. TRAILER TYPE 18. TRAILER TYPE 19. Teacher State 2. Light Utility Trailer (Boat) 3. Trans Semi-Trailers 4. Crea Semi-Trailers 5. Two Semi-Trailers, A-Train 6. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Carriari 8. Two Semi-Trailers, Carriari 9. Two Semi-Trailers, Connector Underkown N. No Trailers N. No Trailers U. Underkown 39. USE OF HEADLIGHTS 1. No Headlights On-Not Equipped 2. Deptimer Ruming Lights On 3. Headlights On 4. Parking Lights On) On 5. Fog Or Auxiliary Lights On O. Other	13. Hit Bicyclist EVT2 14. Hit Almian 15. Hit Train EVT3 15. Hit Train EVT3 15. Hit Train EVT3 21. Hit Parked Vehicle 22. Hit Ron-Fixed Object 23. Hit Building 24. Hit Dirth 25. Hit Embankment, Dirt Pile, Rock 26. Hit Culvert, Orainage Structure 27. Hit Tree/Bush/Hedge 28. Hit Light/Utility Pole 29. Hit Uph/Utility Pole 29. Hit Uph/Utility Pole 29. Hit Curb 31. Hit Traffic Barrier 32. Hit Other Fixed Object, Part Of Road Structure 33. Hit Other Fixed Object, Part Of Road Structure NOT Part Of Road Structure 30. Hit Other Pyee Fixed Object	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustibles 5. Oxidizers à Organic Peroxides 6. Poisonous & Infectious Substances 7. Radiacetives 8. Corrosives 9. Misc. Dangerous Goods N. Not a Commercial Vehicle Q. Other U. Unknown 53. LOAD STATUS COMMERCIAL VEHICLES 1. Fully/Partially Loaded N. Not a Commercial Vehicle Q. Other U. Unknown 60. BLOOD ALCOHOL CONCENTRATION 1000-500 BAC (mg/h) of Driver Predestrian Dous ALCOHOL CONCENTRATION 1000. Not Tested, Driver/Pedestrian Daed, Alcohol Use Suspected 101. Not Tested, Driver/Pedestrian	<u> </u>	ore Impact and Brok	en.Lines.After
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20. ROAD CLASSIFICATION I 1. Urban 2. Rural 2. Rural 2. Auran 2. Arrani 2. Arrani 3. Collector 4. Local 4. Local 5. Collector 6. Local 6. Local 7. Lone-Way, 2-Lane 6. Divided, With Barriar 6. Divided, With Barriar 6. Divided, With Barriar 6. Divided, With Median 7. Divided, Type Unspecified 7. Divided, Type Unspecified 7. Other (Parking Lot) 8. U. Unknown 1. Asphalt 1. Asphalt 1. Asphalt 2. Concrete 3. Gravel 4. Earth, Dirt	DS. Wanning Sign DS. Pedestrian Crosswalk O7. Police Officer DS. School Guard, Flagman DS. School Grossing UN. Reduced Speed Zone UN. School Bus Stopped/ Lights Not Fleshing UN. Shall Crossing With Signals and/or Cates UN. Reduced Zone UN. Reduced Zone UN. Reduced Zone UN. Reduced Zone UN. UN. Reduced UN. UN. Reduced UN. UN. UN. Reduced UN. UN. UN. Reduced UN. UN. Reduced UN. UN. Reduced UN. UN. Reduced UN. UN. UN. Reduced UN. UN. UN. Reduced UN. UN. UN. Reduced UN. Re	N. Not an Emergency Vehicle U. Underkown 38. TRAILER TYPE 18. TRAILER TYPE 19. Teacher State 2. Light Utility Trailer (Boat) 3. Trans Semi-Trailers 4. Crea Semi-Trailers 5. Two Semi-Trailers, A-Train 6. Two Semi-Trailers, B-Train 7. Two Semi-Trailers, Carriari 8. Two Semi-Trailers, Carriari 9. Two Semi-Trailers, Connector Underkown N. No Trailers N. No Trailers U. Underkown 39. USE OF HEADLIGHTS 1. No Headlights On-Not Equipped 2. Deptimer Ruming Lights On 3. Headlights On 4. Parking Lights On) On 5. Fog Or Auxiliary Lights On O. Other	13. Hit Bicyclist EVT2 14. Hit Almisi 15. Hit Train EVT3 15. Hit Train EVT3 15. Hit Train EVT3 17. Hit Ancel Worling Object HIT NON-MOVING OBJECTS: 21. Hit Non-Fixed Object 22. Hit Bouth-Fixed Object 23. Hit Building 24. Hit Ditch 25. Hit Embankment, Diri Pile, Rock 26. Hit Culvert, Drainage Structure 27. Hit Tree@Bush/Hedge 28. Hit Light/Utility Pole 29. Hit Culv 30. Hit Post 31. Hit Traific Barrier 32. Hit Other Fixed Object NOT Part Of Road Structure 33. Hit Other Fixed Object NOT Part Of Road Structure 34. Hit Other Fixed Object NOT Part Of Road Structure 36. Hit Other Fixed Object NOT Part Of Road Structure 37. River Fixed Object NO. 2nd or 3rd Event 47. River Fixed Object 47. Unknown 47. RIVER/PEDESTRIAN	2. Gases 3. Flammable Liquids 4. Flammable Solids, Spontaneous Combustitles 5. Oxidizers & Organic Peroxides 6. Oxidizers & Organic Peroxides 7. Radioactives 8. Corrosives 9. Macc. Dangerous Goods N. Not a Commercial Vehicle 2. Other U. Unknown 33. LOAD STATUS COMMERCIAL VEHICLES 1. Fully/Partially Loaded N. Not a Commercial Vehicle 2. Not Loaded N. Not a Commercial Vehicle O. Other U. Unknown 60. BLOOD ALCOHOL CONCENTRATION DOS-500 BAC (mg/s): of Driver Predestrian 600. Not Tested, DriverPredestrian Dead, Alcohol Use Suspected 610. Not Tested Due To Injury, Alcohol Use Suspected	North	ore Impact and Brok	en Lines After
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Appendix A3 – Brief Description of Fatal Collisions

The following is a brief description of the two fatal traffic collisions that took place in the Northwest Territories in 2001, resulting in three fatalities.

RCMP Detachment	Date	Description
Hay River	09-Jan	Pickup truck collided with parked tractor- trailer unit near Km 16 on Highway #1. The unrestrained driver sustained fatal injuries while the restrained passenger suffered minor injuries. Speeding was a factor. Alcohol not involved.
Tuktoyaktuk	13-Apr	Pickup truck collided with tractor trailer unit at the intersection of the Inuvik-Tuktoyaktuk Winter Road and a privately maintained road. After initial impact, the tractor-trailer unit collided with another tractor-trailer unit. The driver and passenger of the pickup truck were fatally injured. The driver of the pickup was restrained while restraint use amongst the other occupants was unknown. Alcohol was not involved.