

OCCUPATIONAL INJURY AND ILLNESS PREVENTION PROGRAM

Report for 1999

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Province of British Columbia
Ministry of Environment, Lands and Parks

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MEMORANDUM

Date: 99 June 02
File: 1305-04/OIIP

To: District Managers

Re: **BC Parks 1998 Occupational Injury and Illness Prevention Program Annual Report**

Enclosed is the 1998 OIIP Annual Report. You will notice that the report has been reduced in size from previous years.

Districts have, in the past, questioned not only the need for but also the content of reports like this. We have attempted, with this report, to address those concerns by reducing the number of tables and fields while still, hopefully, providing statistical information that is worthwhile to your District and BC Parks. BC Parks Recreation Services Section will continue to review the content, material and information contained within both the Occupational Injury and Illness (OIIP) and the PS/PS Annual Reports to ensure that it provides you with the information that you need in a timely manner

I would encourage you and your staff to review this years OIIP Annual report and provide any comments, ideas, suggestions on improvements to Ron Harris.


J. Block
Manager
Recreation Services Section

CC: B. Dalziel
L. Kennedy
L. Boyle



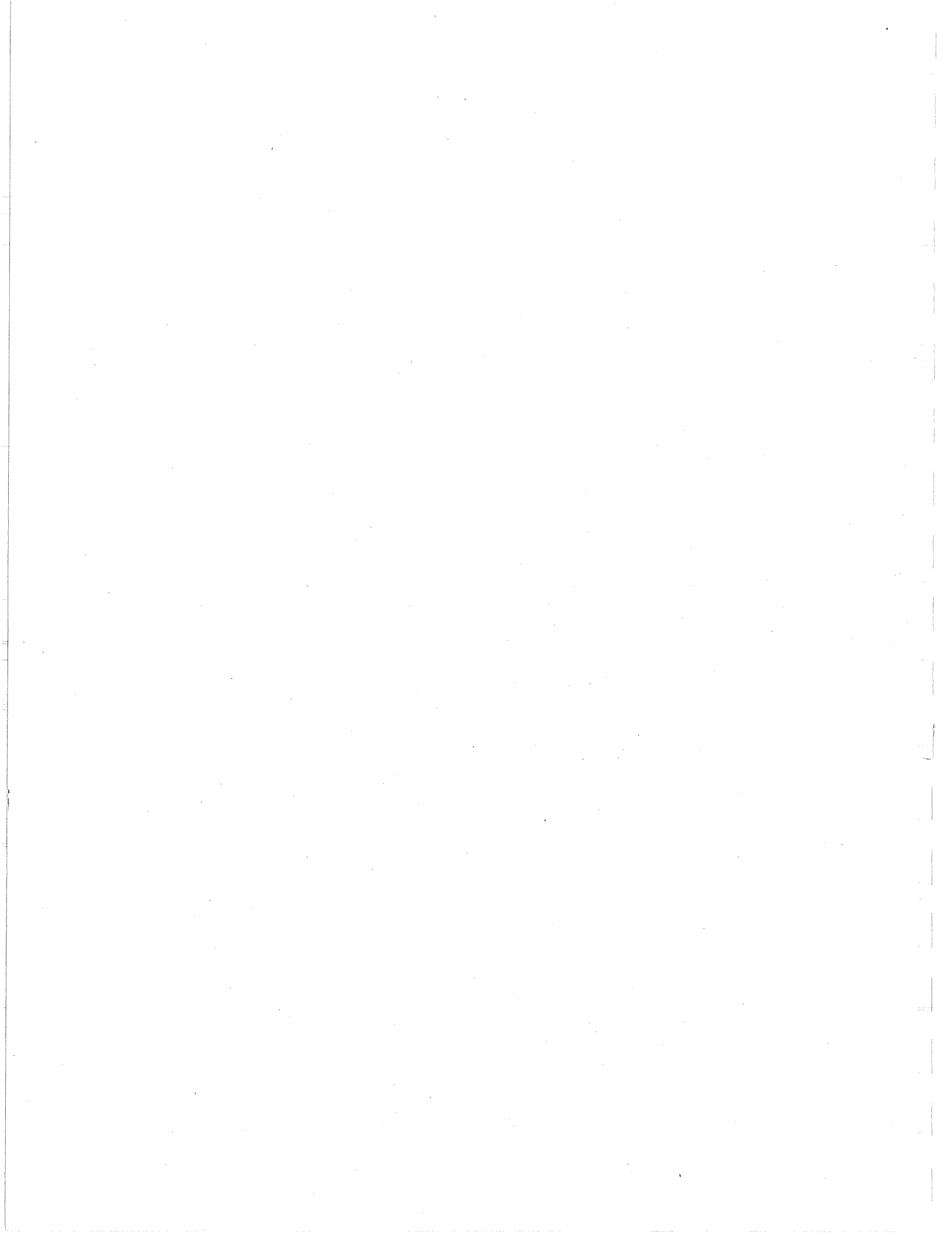


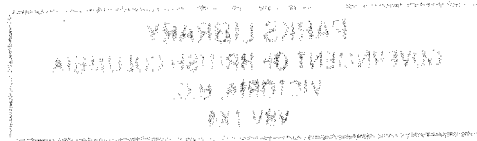
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EXECUTIVE SUMMARY

The recording, reporting, and interpreting of employee safety records and information provided in this annual Occupational Illness and Prevention report is an important management tool for BC Parks.

It meets the legal requirements set down by the Workers' Compensation Board and policy established by BC Parks; and it can assist staff through their local Health and Safety Committee in identifying actions which can be taken to prevent and reduce employee injuries.

During 1998, significant changes were made to the Workers' Compensation Act and to the Occupational Health and Safety Regulations. As a result, changes were made to BC Parks Occupational Injury and Illness Prevention Manual. BC Parks has now placed the updated OIIP Manual on the government intra-net site (<http://iwww.elp.gov.bc.ca/bcparks>) and on CD. These latter two changes will provide staff with a means of quicker access to needed information and materials.

Reports of accidents to employees in the BC Parks Division of the Ministry of Environment Lands and Parks have been placed into the following sections for evaluation.

Section One: Volume of Accidents

Twenty-four (24) accidents were reported in 1998, up from eighteen (18) accidents reported in 1997. Of the total number of accidents reported, six (6) were time loss accidents, accounting for 25% of all accidents reported in 1998.

Section Two: Accidents by Employee Classification

Eighteen (18) out of the twenty-four reported accidents were reported by Park Assistants and S.T.O.'s who continue to lead all employee classifications in accidents reported. Of the six time loss accidents reported for park employees, three (3) were reported by Park Assistants and S.T.O.'s during 1998. The time loss for this group represented 90% of all time lost due to accidents.

Six (6) accidents were reported by clerical staff and District Managers. This group accounted for three (3) time loss accidents and 10% of all time lost due to accidents.

Section Three: Accidents by Area of Injury

Back injuries resulting from lifting, slips and falls continue to be the most frequent injury accidents (seven (7) out of the twenty-four accidents including injuries fell within this category). Back injuries and injuries to the leg and foot area accounted for sixteen (16) accidents or 67% of all injuries. The remaining 33% of injuries occurred to other areas of the body.

Section Four: Accidents by Length of Employment

Employees with **OVER 5 YEARS** service accounted for thirteen (13) of the 24 accidents (recorded in 1998), all of the time loss accidents, and all of the time lost days.

Employees with **MORE THAN 1 YEAR SERVICE and LESS THAN 5 YEARS** accounted for eleven (11) of the 24 accidents with no time loss accidents.

Employees with **LESS THAN 1 YEAR** did not report any accidents.

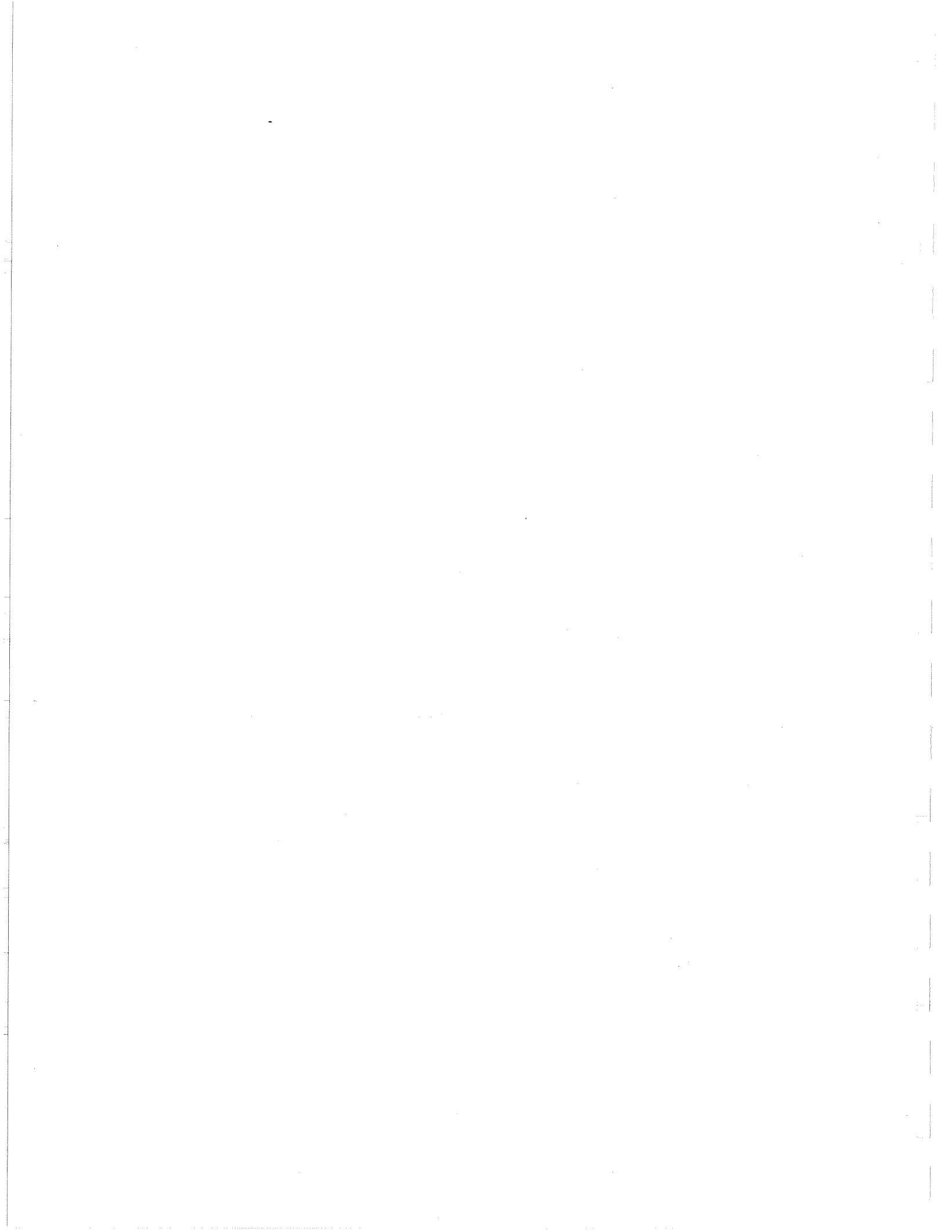
The above is a clear indication that long term employees should exercise more care and diligence before undertaking tasks. Supervisors are to ensure that ALL STAFF receive clear direction and necessary training prior to starting any task.

Section Five: Accident Severity Rate

This section has been revised and now shows a five year comparison on a District by District basis of all Employee Accidents, Time Loss Claims and Total Days Lost.

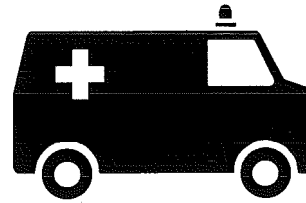
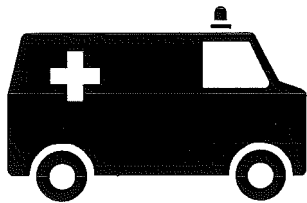
This area is further broken down in table eight which provides this year's, as well as the past five years' Accident Frequency Rate (AFR) based upon a weighted average of hours worked. Those Districts with the poorest records are those with the highest scores.

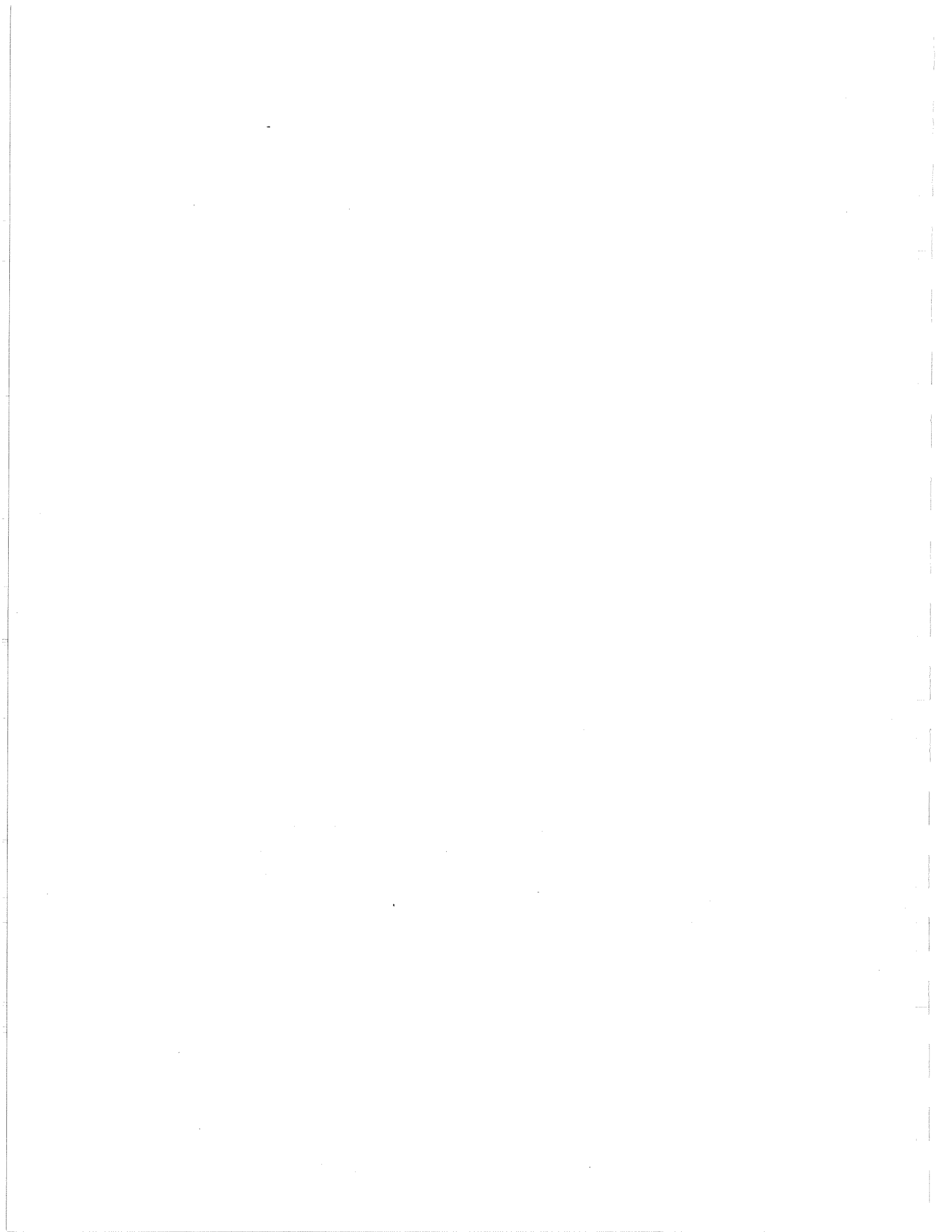
The five year AFR average ranked Strathcona (1), Garibaldi/Sunshine (2), and South Vancouver Island District (3) with the worst records during the past five years. This year's AFR ranked Strathcona (1), South Vancouver Island (2) and Lower Mainland District (3). This is a clear indication that both Strathcona and South Vancouver Island districts need to work on improving their safety records.



1998 ANNUAL OIIP REPORT

**VOLUME OF
ACCIDENTS**

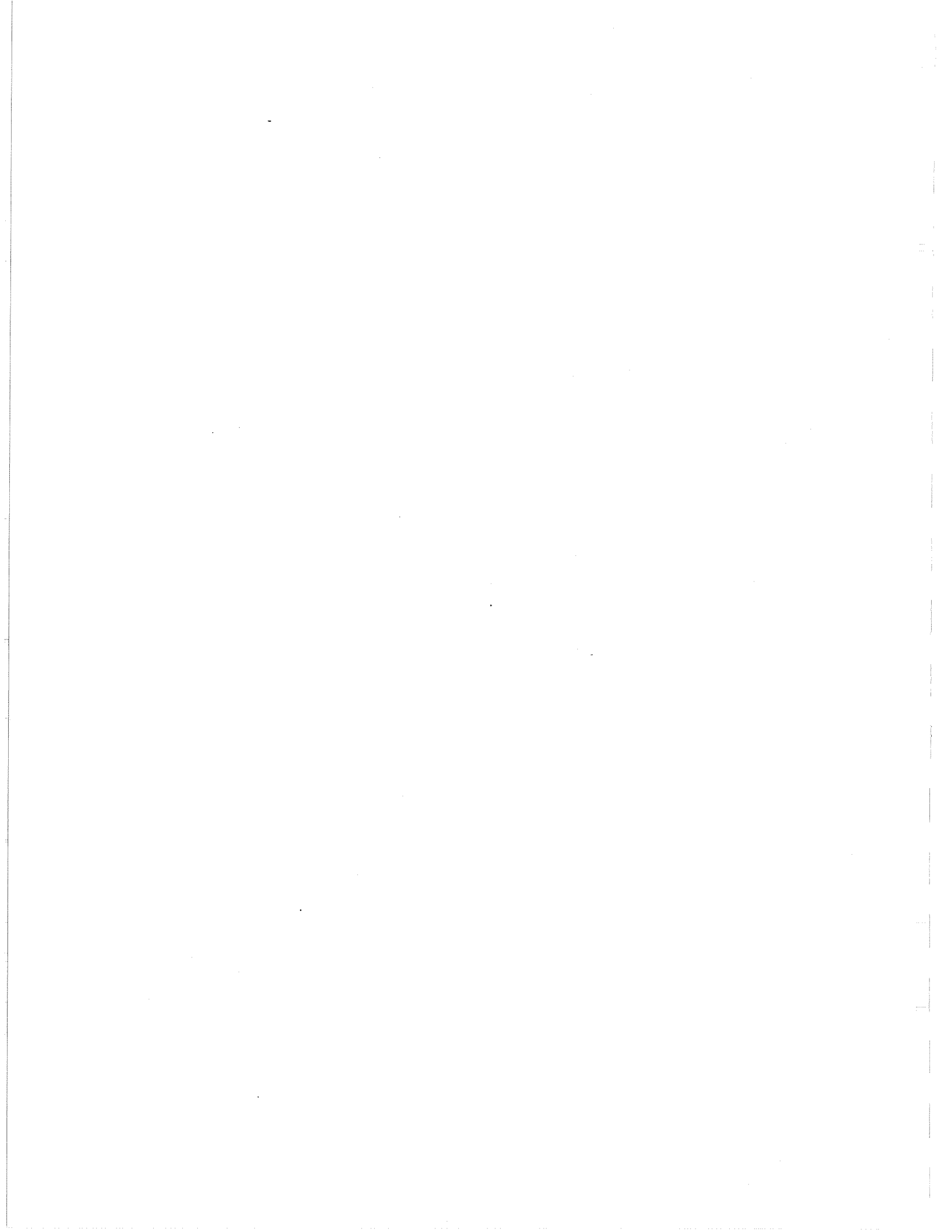




VOLUME OF ACCIDENTS

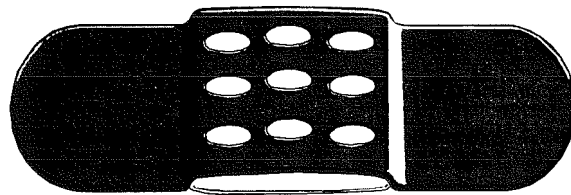
Table 1 Accidents, Time Loss Accidents and Employee Days Lost by District

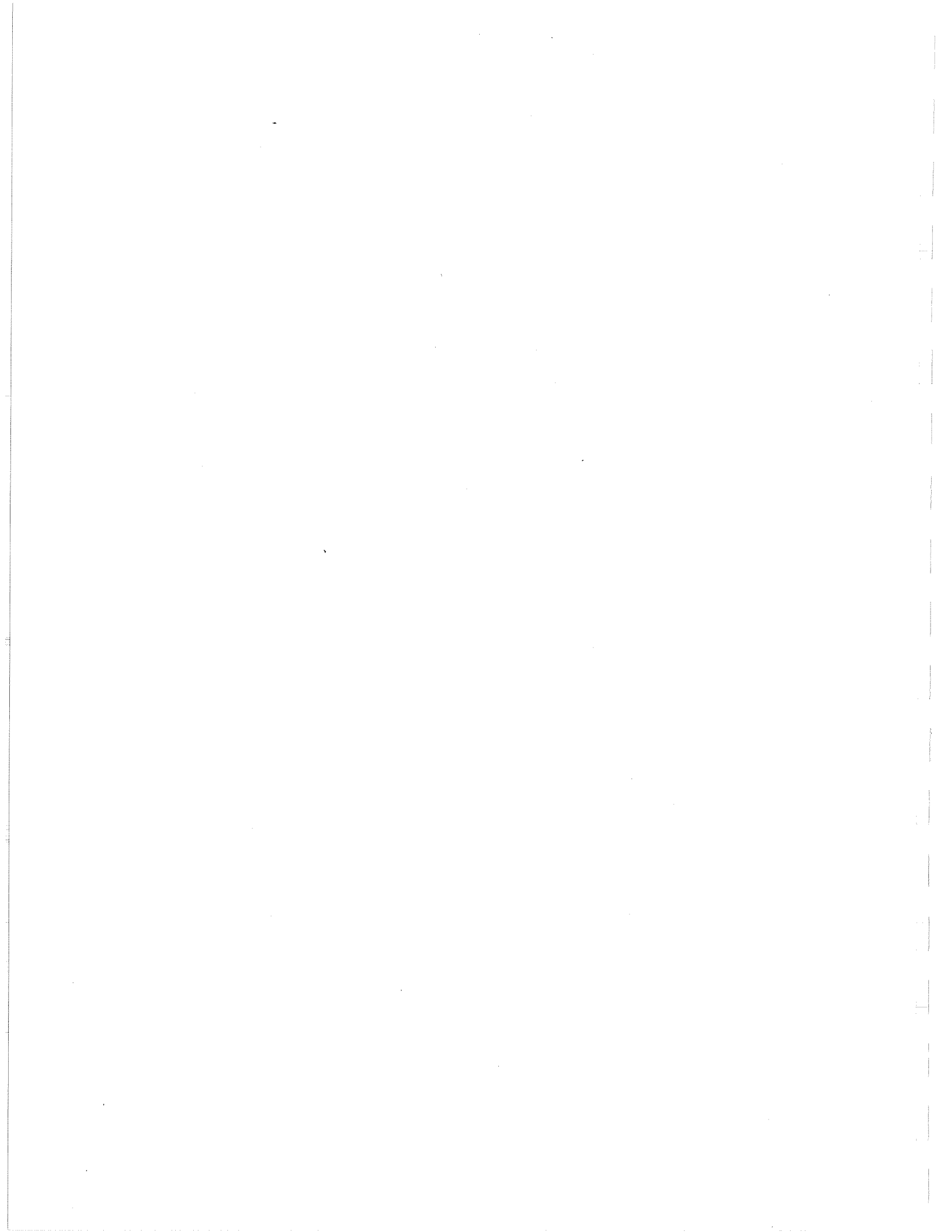
	TOTAL ACCIDENTS					TIME LOSS ACCIDENTS					EMPLOYEE DAYS LOST				
	1994	1995	1996	1997	1998	1994	1995	1996	1997	1998	1994	1995	1996	1997	1998
Strathcona	4	7	7	5	6	0	4	2	2	2	0	4	18	14	7
S. V. Island	4	9	3	0	3	3	5	0	0	1	52	40	0	0	1
Garibaldi-Sunshine	3	9	3	3	2	2	1	1	0	0	17	7	4	0	0
Lower Mainland	2	4	5	2	5	1	3	3	1	2	26	69	90	2	100
Thompson River	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0
Okanagan	2	0	5	2	2	1	0	1	0	0	1	0	7	0	0
Kootenay	8	2	4	1	1	4	0	0	0	0	96	0	0	0	0
Skeena	3	1	4	0	0	2	0	1	0	0	7	0	4	0	0
Cariboo	6	2	3	2	1	2	0	0	0	0	37	0	0	0	0
Prince George	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Peace-Liard	1	0	2	0	1	0	0	1	0	0	0	0	2	0	0
Victoria HQ	1	2	1	2	3	0	0	0	0	1	0	0	0	0	1
TOTALS	37	38	39	18	24	15	13	9	3	6	236	120	125	16	109



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**ACCIDENTS BY
EMPLOYEE
CLASSIFICATION**



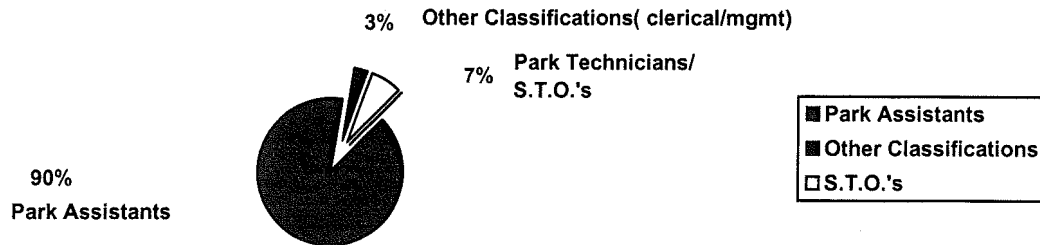


ACCIDENTS BY EMPLOYEE CLASSIFICATION

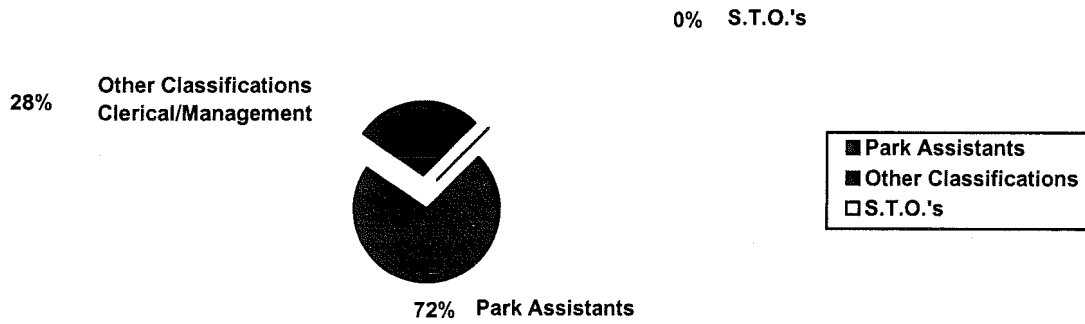
Year: 1998					
	Park Assistants	Park Technicians	S.T.O.'s	Other Classifications (Dist. Mgrs., clerical)	Total
Total Accident	42%		33%	25%	100%
Time Loss Accident	17%		33%	50%	100%
Employee Days Lost	90%		7%	3%	100%
1997	Park Assistants	Park Technicians	S.T.O.'s	Other Classifications (Dist. Mgrs., clerical)	Total
Total Accident	66%		0%	28%	100%
Time Loss Accident	67%		0%	33%	100%
Employee Days Lost	90%		0%	10%	100%
1996	Park Assistants	Park Technicians	S.T.O.'s	Other Classifications (Dist. Mgrs., clerical)	Total
Total Accident	64%		21%	15%	100%
Time Loss Accident	89%		0%	11%	100%
Employee Days Lost	90%		0%	10%	100%
1995		Park Technicians	S.T.O.'s	Other Classifications (Dist. Mgrs., clerical)	Total
Total Accident	70%	14%		16%	100%
Time Loss Accident	84%	8%		8%	100%
Employee Days Lost	72%	6%		2%	100%

ACCIDENTS BY EMPLOYEE CLASSIFICATION

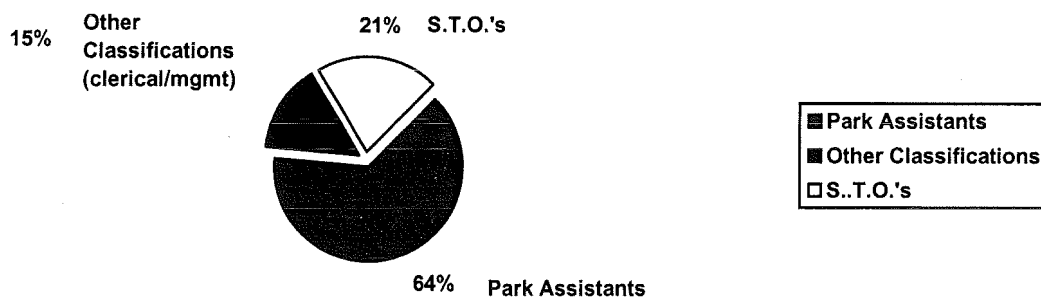
Total Accidents By Employee Classification - 1998



Total Accidents By Employee Classification - 1997



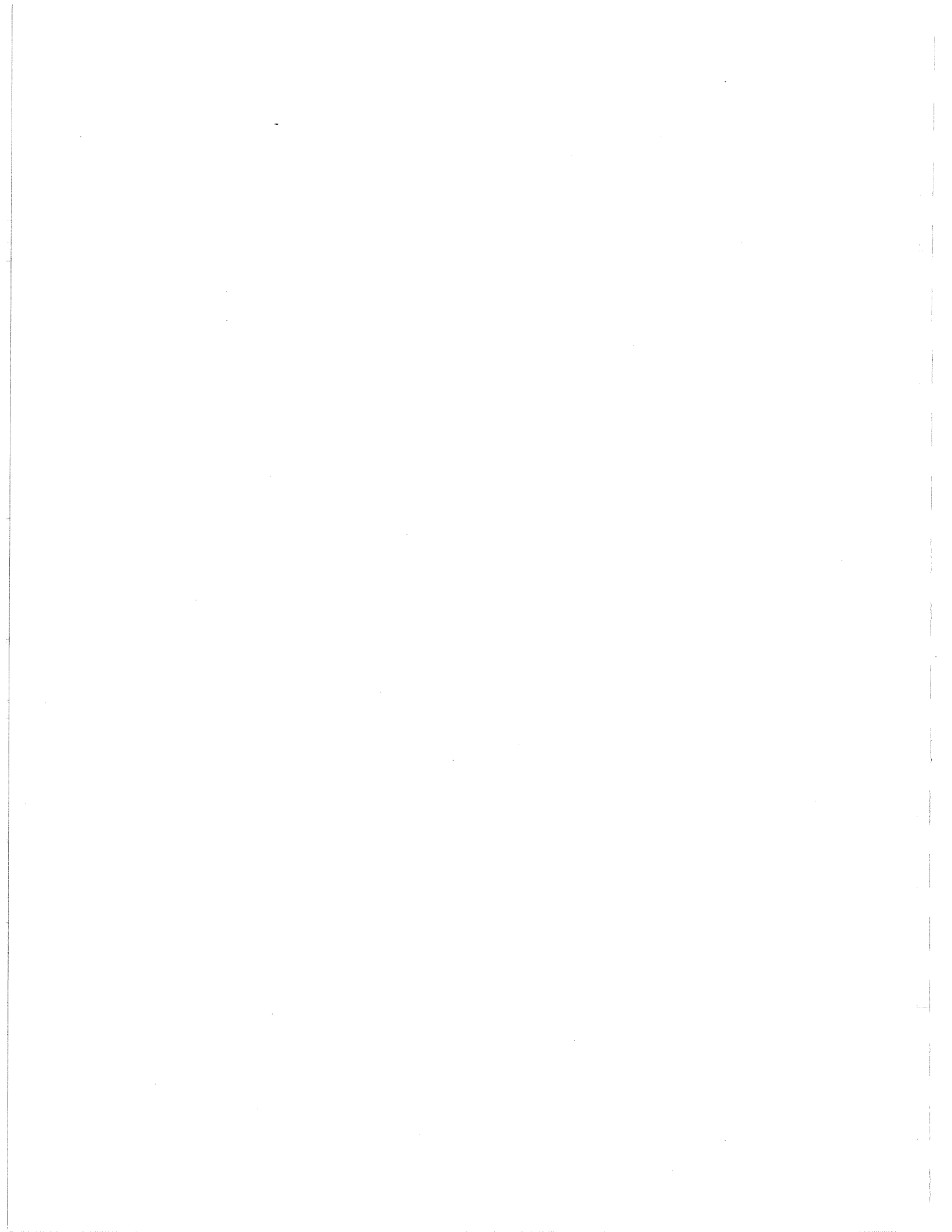
Total Accidents by Employee Classification - 1996

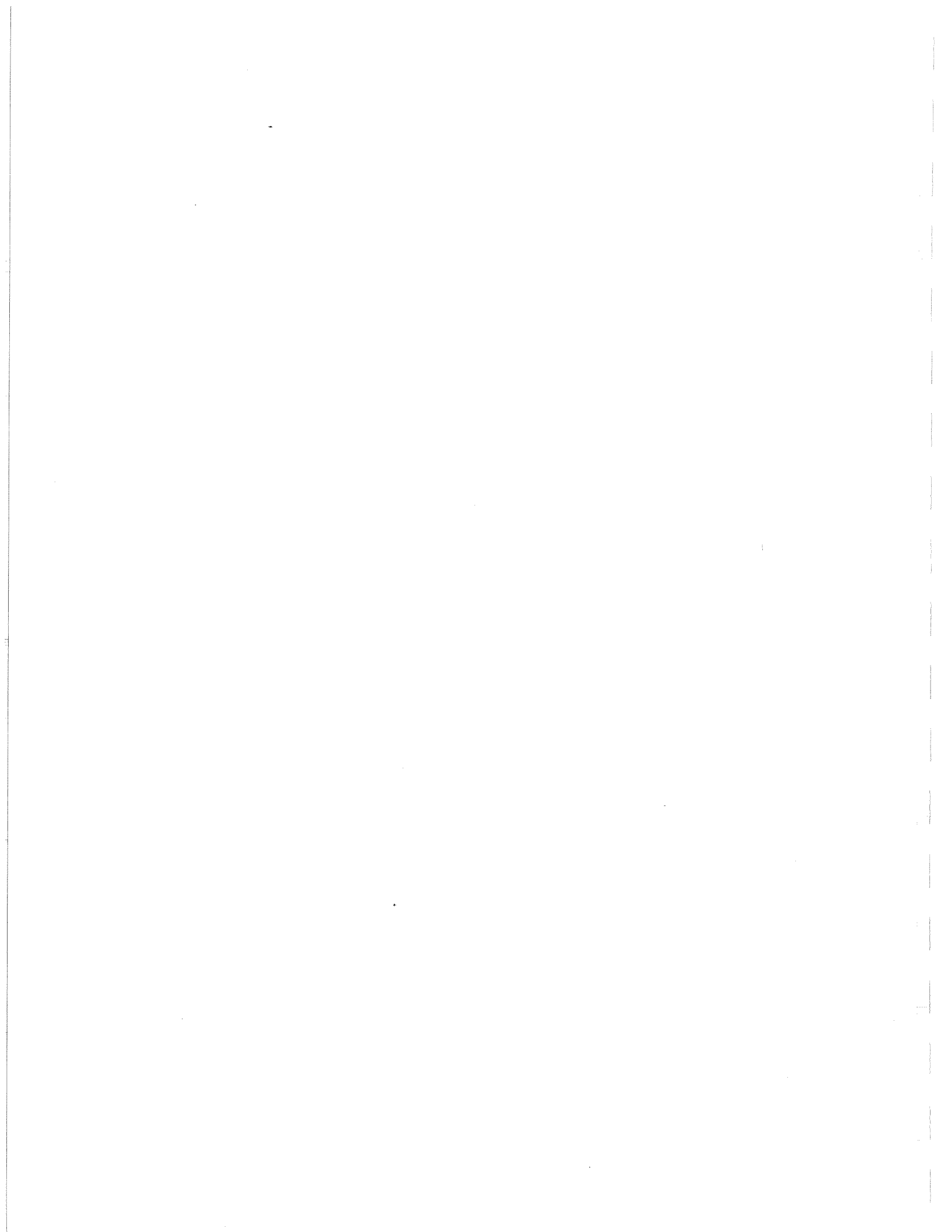


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**ACCIDENTS BY
AREA OF INJURY**

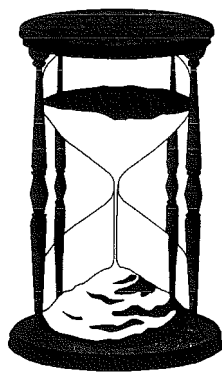


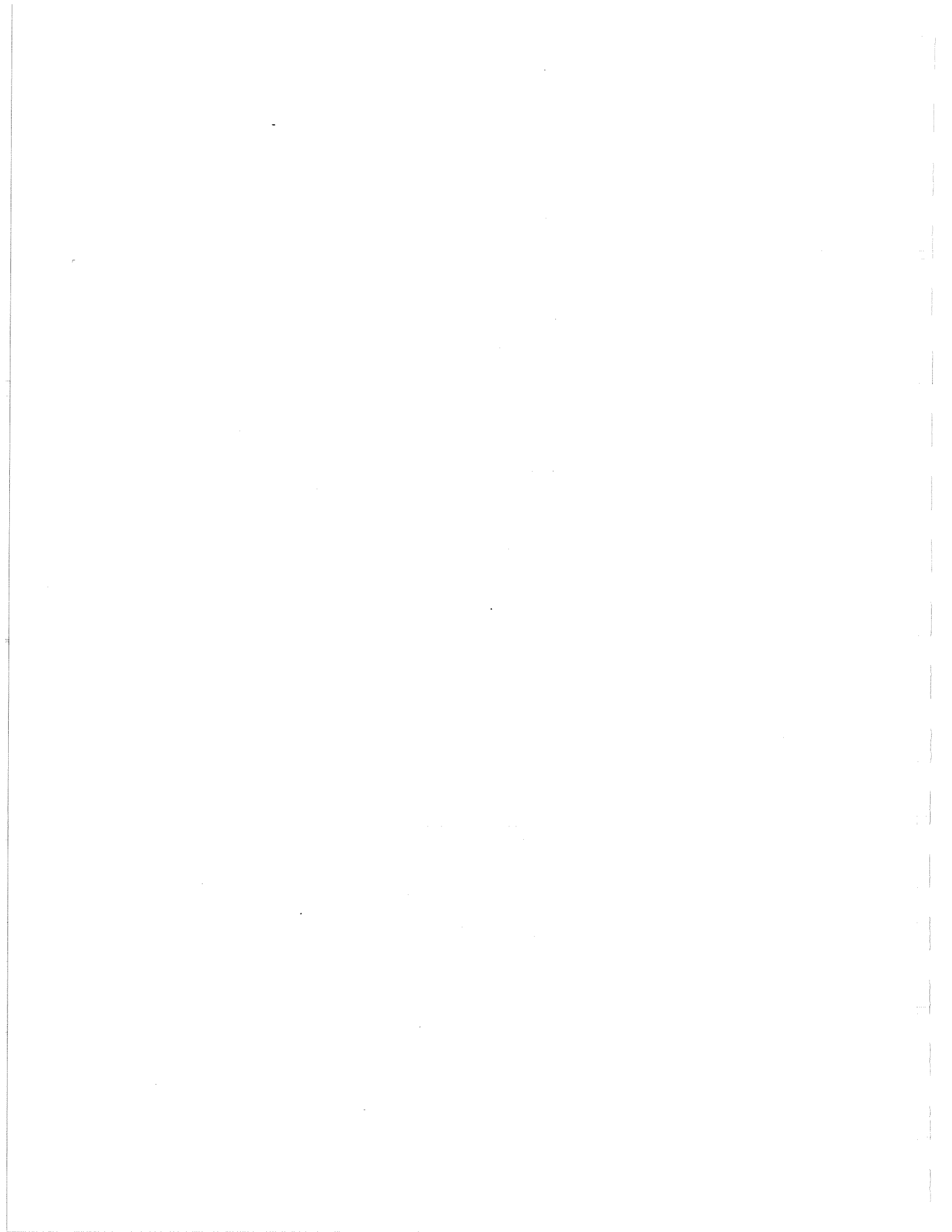


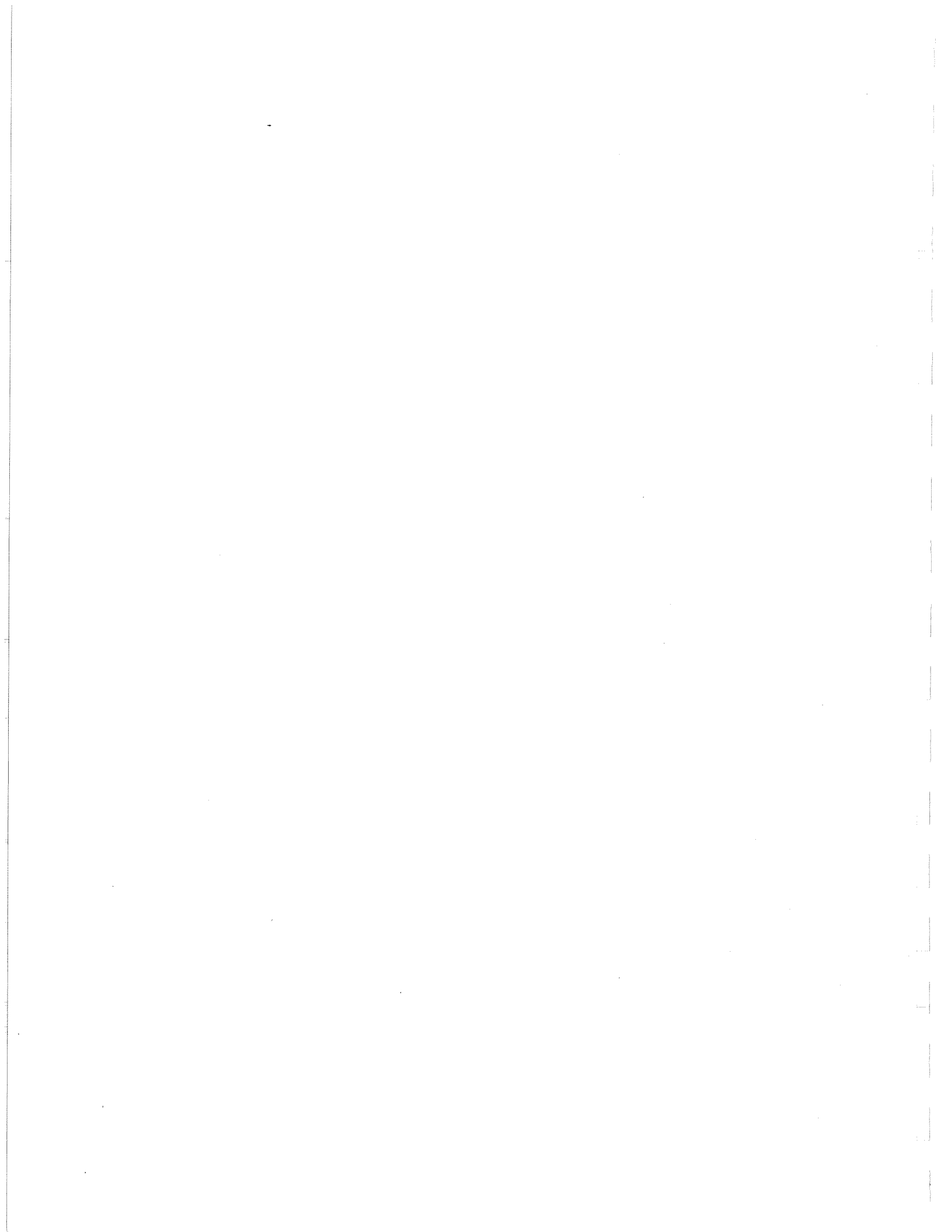


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**ACCIDENTS BY
LENGTH OF
EMPLOYMENT**

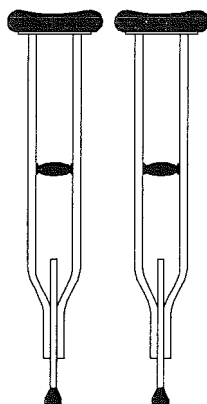


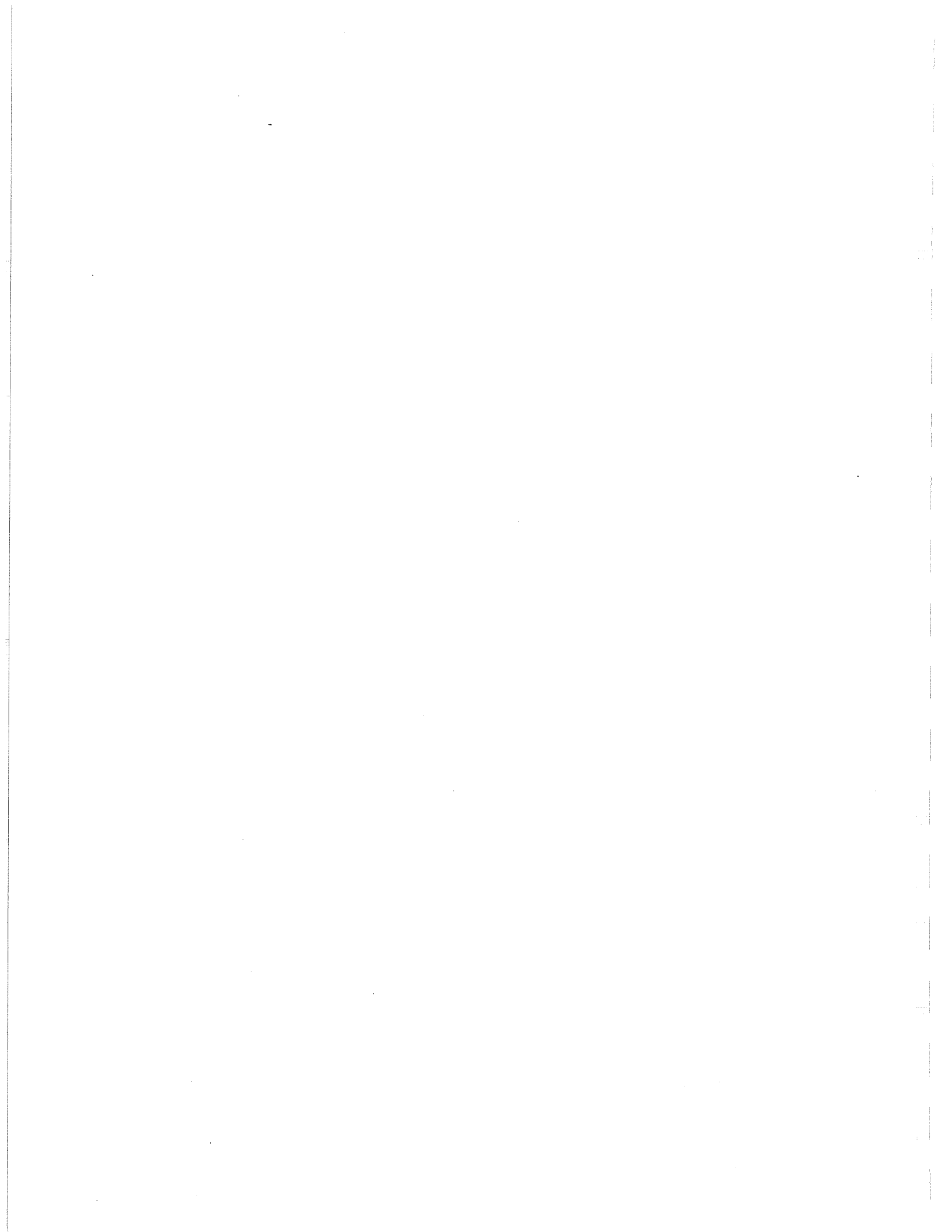




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ACCIDENT SEVERITY RATE





ACCIDENT SEVERITY RATE

The following charts show total accidents, total time loss accidents and total employee days lost over the past five years.

Table Five **Total Accidents (over the past five years)**

District	1994	1995	1996	1997	1998	Total
Prince George	2	0	2	0	0	4
Thompson River	1	2	0	1	0	4
Peace Liard	1	0	2	0	1	4
Skeena	3	1	4	0	0	8
Victoria HQ	1	2	1	2	3	9
Okanagan	2	0	5	2	2	11
Cariboo	6	2	3	2	1	14
Kootenay	8	2	4	1	1	16
Lower Mainland	2	4	5	2	5	18
South Vancouver Island	4	9	3	0	3	19
Garibaldi/Sunshine	3	9	3	3	2	20
Strathcona	4	7	7	5	6	29
TOTALS	37	38	39	18	24	

Table Six: **Total Time Loss Accidents Over The Past Five Years**

District	1994	1995	1996	1997	1998	Total
Prince George	0	0	0	0	0	0
Thompson River	0	0	0	0	0	0
Peace Liard	0	0	1	0	0	1
Victoria HQ	0	0	0	0	1	1
Okanagan	1	0	1	0	0	2
Cariboo	2	0	0	0	0	2
Skeena	2	0	1	0	0	3
Garibaldi/Sunshine	2	1	1	0	0	4
Kootenay	4	0	0	0	0	4
South Vancouver Island	3	5	0	0	1	9
Lower Mainland	1	3	3	1	2	10
Strathcona	0	4	2	2	2	10
BC Parks Total (by year)	15	13	9	3	6	

ACCIDENT SEVERITY RATE

Table Seven: Employee Days Lost Over The Past Five Years

District	1994	1995	1996	1997	1998	Total
Prince George	0	0	0	0	0	0
Skeena	7	0	4	0	0	0
Thompson River	0	0	0	0	0	0
Victoria HQ	0	0	0	0	1	1
Peace Liard	0	0	2	0	0	2
Okanagan	1	0	7	0	0	8
Garibaldi/Sunshine	17	7	4	0	0	28
Cariboo	37	0	0	0	0	37
Strathcona	0	4	18	14	7	43
South Vancouver Island	52	40	0	0	1	93
Kootenay	96	0	0	0	0	96
Lower Mainland	26	69	90	2	100	287
BC Parks Totals By Year	236	120	125	16	109	

The following table utilises a weighted average of hours worked. It provides a weighted average frequency rate for accidents which occurred in 1998 and over the past five years.

The weighted average is calculated by dividing the number of hours worked by the district with the greatest amount of hours (Lower Mainland District) by the hours worked by other districts to arrive at a weighted average (i.e. in 1997 Lower Mainland District worked 87,245 hours. By dividing the number of hours worked by Prince George District (42,000) a weighted average of 2.07 is obtained). This number 2.07 is then multiplied (x) the number of accidents for the year, and over the past five years. By calculating the scores on a weighted average it places all districts on an equal scale.

ACCIDENT SEVERITY RATE

Table Eight: Accident Frequency Rate (using weighted average hours worked)

District	Five Year Average AFR	1998 AFR
Strathcona	50.75	10.5
South Vancouver	40.09	6.33
Lower Mainland	18.0	5
Peace Liard	19.84	4.96
Garibaldi/Sunshine	49.4	4.94
Okanagan	25.74	4.68
Cariboo	32.76	2.34
Kootenay	20.64	1.29
Thompson River	6.76	0
Prince George	8.28	0
Skeena	15.12	0

The districts which need to pay the greatest attention to evaluating possible safety concerns and opportunities to reduce their accident frequency rates are the districts with the highest five year average accident frequency rate, particularly if their most recent (1998) AFR, is also at or near the top compared to other districts.

