

*Council of  
Canadian Fire Marshals  
and Fire Commissioners*



*Conseil canadien  
des directeurs provinciaux et  
des commissaires des incendies*

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## **Annual Report 1997**

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## **Fire Losses in Canada**

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## **Fire Losses in Canada**

The 1997 "Fire Losses in Canada" Annual Report is prepared by the Occupational Safety and Health and Fire Prevention Division, Human Resources Development Canada and is published by the Council of Canadian Fire Marshals and Fire Commissioners. Copies may be purchased at a cost of \$10.00 each (taxes included) from the Council. See order form at back of report.

## PREFACE

The Council of Canadian Fire Marshals and Fire Commissioners (CCFM/FC) is a national organization through which issues relating to fire prevention can be discussed constructively in an atmosphere of mutual respect, cooperation and understanding. Its primary objective is to advise on and promote legislation, policies, and procedures pertinent to fire protection; participate in the development of codes and standards relating to fire safety; promote fire safety awareness; support the professional development of the Canadian fire service; identify trends relative to the causes and the severity of fire; provide advice to Accredited Agencies involved in the certification and testing of fire protection equipment and materials relating to fire safety and provide a forum for the exchange of information on fire safety matters.

The 1997 Annual Report of Fire Losses in Canada is the seventy-sixth edition to be published. It is prepared by the Occupational Safety and Health and Fire Prevention Division of Human Resources Development Canada, pursuant to federal government fire protection policy, and it is compiled from information supplied by the Council of Canadian Fire Marshals and Fire Commissioners (CCFM & FC), Indian and Northern Affairs Canada (INAC) and Statistics Canada.

Sincerely,

P.W. Worona  
Director  
Occupational Safety and Health  
and Fire Prevention Division  
Human Resources Development Canada

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## SUMMARY

In 1997, a total of 56 292 fires were reported; 416 fire deaths; 3 149 fire injuries; and a total of \$1 291 640 983 in property losses.

The "Residential" property classification continues to account for the largest number of fires. In 1997, there were 20 853 fires in this category, 37% of the Canadian total. These incidents resulted in 290 deaths or approximately 70% of the nation's fire fatalities. The monetary loss amounted to \$502 million, which is 39% of the total loss.

The property classification showing the second largest number of fires is "Special Properties," where 19 935 fires were reported, accounting for approximately 35% of the overall Canadian total. Ground transport vehicle under "Special Properties" accounted for 12 355 incidents of all fires within this property classification, amounting to a dollar loss of \$110 million. The total dollar loss for the "Special Properties" classification is \$198 million.

In the category "Source of Ignition" the following three groups (exclusive of miscellaneous and undetermined) lead the list of number of reported fires and property dollar loss: "Smoker's Material and Open Flame" with 11 003 and a dollar loss of \$173 732 329, "Cooking Equipment" with 5 829 incidents and a loss of \$72 million, and "Electrical Distribution Equipment" with 4 648 incidents and a loss of \$120 million.

Table 7 provides a review of the fire data identified under the heading of "Act or Omission." As in the past, the category of "Mechanical, Electrical Failure and Malfunction" had the greatest number of recorded fires, that being 10 594. The 1997 dollar loss for this category is \$223 million. "Arson or Other Set Fires" accounted for 9 565 incidents, an decrease of 20% from last year. The 1997 dollar loss of \$181 819 292 from "Arson and Other Set Fires" was a decrease of 26% from the 1996 figure of \$245 685 872.

In summary, this latest information indicates the total number of fire deaths decreased from that recorded in 1996, the total number of fires decreased from previous year, and the dollar loss increased. Typically the category of "Residential Properties" remains an area of utmost concern, accounting for 69% of the total number of fire deaths, 37% of the total number of fires, and 24% of the total dollar loss. The large number of electrical incidents and the associated dollar loss, as well as the number of "Arson or Other Set Fires" and the associated dollar loss, are two other areas of major concern within the Fire Services. A continued effort by all fire protection authorities as well as the public is most imperative in order to reduce the loss of lives, number of fires and property damage.

## Erratum

Annual Report 1997  
Fire Losses in Canada

An error occurred when compiling dollar losses in the 1997 report. Since a number of tables included dollar losses, the following tables have been changed and inserted in the report separately.

We regret for any inconvenience this may have caused.

Fire Prevention Unit  
Human Resources Development Canada

May 19, 2000



# Section I

Summary 1988 - 1997

Table 1 - Canada Fire Losses, Fire Deaths and Fire Injuries

Year	Population	Number of Fires	Per Capita \$ Loss	Fire \$ Loss	Fire Deaths	Death Rate *	Injuries	Injuries Rate*
1988	26 372 481	71 009	1 018 232 771	38.61	535	2.03	3 630	13.76
1989	26 646 701	67 588	1 128 079 909	42.33	519	1.95	3 763	14.12
1990	27 418 116	68 007	1 237 393 172	45.13	481	1.75	3 841	14.01
1991	27 908 282	68 150	1 239 716 205	44.42	406	1.45	3 476	12.46
1992	28 531 069	65 999	1 241 390 000	43.51	401	1.41	3 874	13.58
1993	29 074 524	65 877	1 181 892 872	40.65	417	1.43	3 463	11.91
1994	29 686 694	66 719	1 151 546 461	38.79	377	1.27	3 539	12.26
1995	30 089 520	64 251	1 110 839 184	36.92	400	1.33	3 551	11.80
1996	30 582 213	60 138	1 163 336 515	38.04	374	1.22	3 152	10.31
1997	30 904 313	56 292	1 291 640 983	41.79	416	1.35	3 149	10.19
10-Year Average		65 403	1 176 406 807	40.96	433	1.51	3 544	12.34

\* Fire Death Rate - number of deaths per 100 000 population per annum

Figure 1 - Canada Fire Losses, Actual and Adjusted Dollar Losses in Millions

Summary 1988 - 1997

Adjusted to 1986 dollars using the Consumer Price Index, All Commodities.

Figure 2 - Canada Fire Deaths and 10-Year Average

Summary 1988 - 1997

Figure 3 - Canada Fire Injuries and 10-Year Average

Summary 1988 - 1997

## Section II

### Fire Losses, 1997 and 10-Year Average

Table 2 - Property Losses by Jurisdiction

Jurisdiction	Population 1997	Number of Fires		\$ Loss		Per Capita \$ Loss	
		1997	10-Year Average	1997 \$	10-Year Average	1997 \$	10-Year Average
Alberta	2 841 300	6 581	7 143	135 943 603	109 747 459	47.84	42.08
British Columbia	3 921 500	6 382	7 123	202 087 565	162 627 642	51.53	48.04
Manitoba	1 142 200	5 018	5 800	68 038 374	59 492 020	59.57	52.73
New Brunswick	761 100	2 214	2 157	12 334 251	22 540 612	16.21	24.56
Newfoundland	562 200	538	677	24 377 544	22 636 008	43.36	40.18
Nova Scotia	946 800	685	2 208	7 304 883	23 465 429	7.72	25.07
Ontario	11 421 600	19 280	22 392	412 300 651	364 963 395	36.10	35.03
Prince Edward Island	137 100	584	777	N/A	5 499 881	0.00	42.87
Quebec	7 431 000	8 961	12 575	339 883 206	339 231 111	45.74	48.46
Saskatchewan	1 021 700	4 572	3 165	46 668 335	38 909 290	45.68	38.63
Northwest Territories	67 500	141	167	14 226 448	8 429 298	210.76	141.65
Yukon	31 600	265	252	13 887 606	4 424 181	437.90	143.65
National Defence	85 973	203	177	1 750 234	2 423 930	20.36	18.31
Indian Reserves	325 475	771	539	11 522 516	10 810 578	35.41	33.74
Federal Properties	207 265	97	95	1 365 767	2 882 881	6.59	8.98
Summary	30 904 313	56 292	65 247	1 291 640 983	1 258 083 715	41.79	39.25

## Section III

### Fire Losses by Property Classification

Table 3 - Summary of Fires by Property Classification

Classification	Number of Fires	% of Total	\$ Loss	% of Total	Injuries	% of Total	Deaths	% of Total
Residential	20 853	37.04	502 168 299	38.88	2 020	64.15	290	69.71
Assembly	1 871	3.32	85 061 682	6.59	88	2.79	0	0.00
Institutional	519	0.93	6 894 476	0.53	69	2.19	10	2.41
Business and personal service	523	0.94	18 586 767	1.44	22	0.71	0	0.00
Mercantile	1 463	2.60	87 161 708	8.16	140	4.45	8	1.92
Industrial manufacturing properties	1 369	2.43	178 730 167	14.82	331	10.51	6	1.44
Storage properties	1 489	2.64	80 977 047	7.68	91	2.89	4	0.96
Special properties	19 935	35.41	198 950 577	16.40	228	7.24	45	10.82
Farm properties	906	1.61	49 871 702	4.86	5	0.16	1	0.24
Miscellaneous properties*	7 364	13.08	8 238 558	0.64	155	4.92	52	12.50
<b>Total</b>	<b>56 292</b>	<b>100.00</b>	<b>1 291 640 983</b>	<b>100.00</b>	<b>3 149</b>	<b>100.00</b>	<b>416</b>	<b>100.00</b>

\* 1997 total losses for Newfoundland, New Brunswick, Prince Edward Island, National Defence and Indian Reserves have been included under "Miscellaneous" as their losses by specific property classifications are not available.

### 3(a) Residential Occupancies

Jurisdiction	1997				10-Year Average 1988 - 1997			
	Number of Fires	% of Total	\$ Loss	% of Total	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	1 791	27.21	52 360 005	38.52	1 662	23.27	33 528 557	30.55
British Columbia	2 258	35.38	74 665 806	36.95	2 792	39.20	71 247 816	43.81
Manitoba	1 339	26.68	23 310 145	34.26	1 722	29.69	23 307 403	39.18
New Brunswick*	N/A	N/A	N/A	N/A	1 189	55.12	11 259 201	10.98
Newfoundland*	N/A	N/A	N/A	N/A	167	24.67	742 540	3.28
Nova Scotia	498	72.70	4 088 680	55.97	1 366	61.86	14 433 114	61.51
Ontario	8 044	41.72	181 955 849	44.13	10 070	44.97	168 092 685	46.06
Prince Edward Island*	N/A	N/A	N/A	N/A	445	57.27	2 006 083	36.47
Quebec	5 955	66.45	149 179 355	43.89	6 932	55.12	157 140 858	46.32
Saskatchewan	815	17.83	12 696 681	27.21	809	25.56	12 209 120	31.38
Northwest Territories	67	47.52	2 263 008	15.91	84	50.30	3 184 024	37.77
Yukon	84	31.70	1 573 370	11.38	93	36.90	1 243 739	28.11
National Defence*	N/A	N/A	N/A	N/A	56	44.09	484 206	19.98
Indian Reserves*	N/A	N/A	N/A	N/A	69	12.80	1 772 551	16.37
Federal Properties	2	2.06	73 400	5.37	6	6.31	46 986	1.63
<b>Total</b>	<b>20 853</b>	<b>37.56</b>	<b>502 168 299</b>	<b>39.23</b>	<b>24 462</b>	<b>37.49</b>	<b>500 698 883</b>	<b>39.80</b>

Percentages used in this table relate to jurisdictional totals.

\* 1997 total losses for New Brunswick, Newfoundland, Prince Edward Island, National Defence and Indian Reserves have been included under "Miscellaneous" as their losses by specific property classifications are not available.

### 3(b) Residential - Detail

Occupancy	Number of Fires	\$ Loss	Injuries	Deaths
One and two family residence	13 285	355 630 435	1 085	162
Apartment, tenement, flat	5 236	88 171 441	783	77
Rooming, boarding, lodging	243	6 425 736	41	11
Hotel, inn, lodge	340	8 975 283	30	5
Motor hotel, motel	85	3 293 229	5	6
Dormitory	47	2 156 040	2	0
Mobile home, trailer	626	14 917 034	39	23
Miscellaneous	991	22 599 101	35	6
<b>Total</b>	<b>20 853</b>	<b>502 168 299</b>	<b>2 020</b>	<b>290</b>



### 3(c) Assembly

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	160	2.43	3 695 969	2.72
British Columbia	242	3.79	14 548 784	7.20
Manitoba	96	1.91	6 817 834	10.02
New Brunswick	N/A	N/A	N/A	N/A
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	16	2.34	632 906	8.66
Ontario	717	3.72	16 267 205	3.95
Prince Edward Island	N/A	N/A	N/A	N/A
Quebec	532	5.94	22 025 569	6.48
Saskatchewan	86	1.88	7 153 738	15.33
Northwest Territories	8	5.67	9 575 000	67.30
Yukon	10	3.77	3 802 500	27.48
National Defence	N/A	N/A	N/A	N/A
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	4	4.12	542 177	39.70
<b>Total</b>	<b>1 871</b>	<b>3.37</b>	<b>85 061 682</b>	<b>6.64</b>

Percentages used in this table relate to jurisdictional totals.

### 3(d) Assembly - Detail

Occupancy	Number of Fires	\$ Loss	Injuries	Deaths
Theatre, studio, auditorium	26	1 303 396	8	0
Amusement, recreation place	152	16 136 116	8	0
School, college, university	576	21 565 137	16	0
Church, funeral parlour	97	11 395 012	6	0
Club, social, sport	107	1 612 792	5	0
Museum, art gallery, library	21	758 430	2	0
Food, beverage establishment	586	29 101 127	40	0
Passenger terminal, station	152	277 701	1	0
Miscellaneous	154	2 911 971	2	0
Total	1 871	85 061 682	88	0

### 3(e) Institutional

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	32	0.49	848 641	0.62
British Columbia	33	0.52	306 137	0.15
Manitoba	39	0.78	121 930	0.18
New Brunswick	N/A	N/A	N/A	N/A
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	3	0.44	7 745	0.11
Ontario	207	1.07	1 285 017	0.31
Prince Edward Island	N/A	N/A	N/A	N/A
Quebec	103	1.15	3 899 394	1.15
Saskatchewan	20	0.44	112 020	0.24
Northwest Territories	2	1.42	21 550	0.15
Yukon	1	0.38	2 000	0.01
National Defence	N/A	N/A	N/A	N/A
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	79	81.44	290 042	21.24
<b>Total</b>	<b>519</b>	<b>0.93</b>	<b>6 894 476</b>	<b>0.54</b>

Percentages used in this table relate to jurisdictional totals.

### 3(f) Institutional - Detail

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Occupancy	Number of Fires	\$ Loss	Injuries	Deaths
Prison, jail, reformatory	128	712 181	40	0
Home for the aged	127	844 897	11	4
Child care	23	221 620	1	0
Hospital, sanatorium, clinic	152	2 144 232	14	5
Miscellaneous	89	2 971 546	3	1
Total	519	6 894 476	69	10

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### 3(g) Business and Personal Service

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	40	0.61	382 940	0.28
British Columbia	77	1.21	7 091 779	3.51
Manitoba	19	0.38	917 566	1.35
New Brunswick	N/A	N/A	N/A	N/A
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	3	0.44	12 815	0.18
Ontario	249	1.29	5 500 561	1.33
Prince Edward Island	N/A	N/A	N/A	N/A
Quebec	109	1.22	3 650 974	1.07
Saskatchewan	20	0.44	622 902	1.33
Northwest Territories	1	0.71	392 720	2.76
Yukon	3	1.13	12 500	0.09
National Defence	N/A	N/A	N/A	N/A
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	2	2.06	2 010	0.15
<b>Total</b>	<b>523</b>	<b>0.94</b>	<b>18 586 767</b>	<b>1.45</b>

Percentages used in this table relate to jurisdictional totals.

### 3(h) Mercantile Properties

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	130	1.98	10 774 565	7.93
British Columbia	129	2.02	9 509 028	4.71
Manitoba	58	1.16	4 126 441	6.06
New Brunswick	N/A	N/A	N/A	N/A
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	6	0.88	786 190	10.76
Ontario	555	2.88	25 537 441	6.19
Prince Edward Island	N/A	N/A	N/A	N/A
Quebec	546	6.09	32 412 504	9.54
Saskatchewan	32	0.70	2 586 489	5.54
Northwest Territories	6	4.26	1 079 050	7.58
Yukon	1	0.38	350 000	2.53
National Defence	N/A	N/A	N/A	N/A
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	0	0.00	0	0.00
<b>Total</b>	<b>1 463</b>	<b>2.64</b>	<b>87 161 708</b>	<b>6.81</b>

Percentages used in this table relate to jurisdictional totals.

### 3(i) Industrial Manufacturing Properties

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	127	1.93	14 344 554	10.55
British Columbia	96	1.50	32 266 159	15.97
Manitoba	83	1.65	9 462 134	13.91
New Brunswick	N/A	N/A	N/A	N/A
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	5	0.73	200 000	2.74
Ontario	617	3.20	56 870 351	13.79
Prince Edward Island	N/A	N/A	N/A	N/A
Quebec	399	4.45	62 927 359	18.51
Saskatchewan	37	0.81	2 130 410	4.57
Northwest Territories	1	0.71	2 000	0.01
Yukon	4	1.51	527 200	3.81
National Defence	N/A	N/A	N/A	N/A
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	0	0.00	0	0.00
<b>Total</b>	<b>1 369</b>	<b>2.47</b>	<b>178 730 167</b>	<b>13.96</b>

Percentages used in this table relate to jurisdictional totals.

### 3(j) Storage Properties

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	414	6.29	14 952 346	11.00
British Columbia	141	2.21	5 560 899	2.75
Manitoba	192	3.83	3 655 178	5.37
New Brunswick	N/A	N/A	N/A	N/A
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	19	2.77	558 615	7.65
Ontario	284	1.47	15 569 041	3.78
Prince Edward Island	N/A	N/A	N/A	N/A
Quebec	247	2.76	37 146 611	10.93
Saskatchewan	181	3.96	2 334 257	5.00
Northwest Territories	4	2.84	711 600	5.00
Yukon	5	1.89	381 000	2.75
National Defence	N/A	N/A	N/A	N/A
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	2	2.06	107 500	7.87
<b>Total</b>	<b>1 489</b>	<b>2.68</b>	<b>80 977 047</b>	<b>6.33</b>

Percentages used in this table relate to jurisdictional totals.



### 3(k) Special Properties (Outdoor and Vehicles)

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	3 292	50.02	29 430 534	21.65
British Columbia	3 211	50.31	55 261 882	27.35
Manitoba	2 889	57.57	9 780 275	14.37
New Brunswick	N/A	N/A	N/A	N/A
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	106	15.47	652 697	8.94
Ontario	6 725	34.88	85 054 233	20.63
Prince Edward Island	N/A	N/A	N/A	N/A
Quebec	468	5.22	8 627 863	2.54
Saskatchewan	3 073	67.21	9 783 757	20.96
Northwest Territories	25	17.73	80 050	0.56
Yukon	143	53.96	145 786	1.05
National Defence	N/A	N/A	N/A	N/A
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	3	3.09	133 500	9.77
<b>Total</b>	<b>19 935</b>	<b>35.91</b>	<b>198 950 577</b>	<b>15.54</b>

Percentages used in this table relate to jurisdictional totals.

### 3(l) Special Properties - Detail

Occupancy	Number of Fires	\$ Loss	Injuries	Deaths
Outdoor property	5 630	6 186 243	55	10
Special connecting properties	37	491 439	0	0
Construction, demolition, vacant	242	13 460 237	15	2
Watercraft	130	37 840 078	7	1
Rail, transport vehicle and equipment	66	903 812	3	0
Ground transport vehicle	12 355	110 649 273	119	28
Aircraft	11	323 548	1	0
Special vehicle	1 177	24 067 659	21	4
Pier, wharf	287	5 028 288	7	0
Total	19 935	198 950 577	228	45

### 3(m) Farm Properties

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	270	4.10	7 495 921	5.51
British Columbia	26	0.41	1 208 899	0.60
Manitoba	110	2.19	7 677 834	11.28
New Brunswick	N/A	N/A	N/A	N/A
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	6	0.88	111 500	1.53
Ontario	235	1.22	15 494 067	3.76
Prince Edward Island	N/A	N/A	N/A	N/A
Quebec	135	1.51	13 646 185	4.01
Saskatchewan	121	2.65	4 215 796	9.03
Northwest Territories	0	0.00	0	0.00
Yukon	2	0.75	500	0.00
National Defence	N/A	N/A	N/A	N/A
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	1	1.03	21 000	1.54
<b>Total</b>	<b>906</b>	<b>1.63</b>	<b>49 871 702</b>	<b>3.90</b>

Percentages used in this table relate to jurisdictional totals.

### 3(n) Miscellaneous Properties

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	325	4.94	1 658 128	1.22
British Columbia	169	2.65	1 668 192	0.83
Manitoba	193	3.85	2 169 037	3.19
New Brunswick*	*2 214	100.00	*12 334 251	100.00
Newfoundland*	*538	100.00	*24 377 544	100.00
Nova Scotia	23	3.36	253 735	3.47
Ontario	1 647	8.54	8 766 886	2.13
Prince Edward Island*	*584	100.00	N/A	0.00
Quebec	467	5.21	6 367 392	1.87
Saskatchewan	187	4.09	5 032 285	10.78
Northwest Territories	27	19.15	101 470	0.71
Yukon	12	4.53	7 040 750	50.88
National Defence*	*203	100.00	*1 750 234	100.00
Indian Reserves*	*771	100.00	*11 522 516	100.00
Federal Properties	4	4.12	196 138	14.36
<b>Total</b>	<b>7 364</b>	<b>11.87</b>	<b>83 238 558</b>	<b>5.60</b>

Percentages used in this table relate to jurisdictional totals.

- 1997 total losses for New Brunswick, Newfoundland, Prince Edward Island, National Defence and Indian Reserves have been included in this table.

## Section IV

Table 4 - Arson

Jurisdiction	Actual Number	Offences Cleared		Persons Charged		Male Young Offenders	Female Young Offenders
		By Charge	Otherwise	Male Adults	Female Adults		
Alberta	1 036	142	126	71	10	60	10
British Columbia	2 545	178	177	91	18	70	10
Manitoba	387	69	38	34	9	34	8
New Brunswick	329	32	41	18	2	21	2
Newfoundland	132	20	11	6	2	8	2
Nova Scotia	387	58	33	41	3	16	1
Ontario	3 593	437	361	166	37	217	11
Prince Edward Island	25	2	3	0	0	2	0
Quebec	3 918	358	290	237	38	97	7
Saskatchewan	372	88	50	34	7	41	1
Northwest Territories	47	5	19	4	2	3	0
Yukon	28	6	3	6	0	4	0
<b>Total</b>	<b>12 799</b>	<b>1 395</b>	<b>1 152</b>	<b>708</b>	<b>128</b>	<b>573</b>	<b>52</b>

Source: Canadian Centre for Justice Statistics - Statistics Canada. This table contains the numbers of arsons reported to the police department and would not necessarily mean a fire.

## Section V

Table 5 - Fire Losses by Source of Ignition

Source of Ignition (Igniting Object)	Number of Fires	\$ Loss	Injuries					Deaths				
			FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
No igniting object (e.g., lightning)	1 157	11 999 666	4	4	1	0	16	0	1	0	0	1
Cooking equipment	5 829	72 630 363	65	280	208	43	57	0	23	19	6	3
Heating equipment	3 858	74 691 510	52	66	13	7	9	0	11	5	2	2
Appliances and equipment	1 576	33 144 666	28	38	33	7	10	0	3	1	0	0
Electrical distribution equipment	4 648	120 171 019	88	72	30	3	12	0	7	4	0	2
Other electrical equipment	3 420	45 382 238	26	41	22	3	7	0	6	0	0	0
Smoker's material and "open flame":												
Smoker's material	3 448	42 565 588	104	149	67	26	40	0	56	35	5	10
Match, lighter (not used with smoking), lamp, candle, taper	2 659	32 691 045	44	88	50	34	6	0	8	5	2	1
Cutting torch, welding equipment, varied torches	778	24 191 460	34	26	2	0	11	0	1	0	0	0
Hot ashes, embers (non-smoking material)	375	3 455 557	4	9	3	2	0	0	1	0	0	0
Smoker's material or "open flame", unclassified	3 743	95 020 139	50	51	40	24	3	0	21	14	9	0
Exposure	2 813	28 885 110	30	6	2	0	3	0	3	0	3	0
Miscellaneous	10 474	256 944 322	99	90	27	8	72	0	16	1	0	44
Undetermined	11 514	449 868 303	457	153	54	18	18	0	52	29	4	0
<b>Total</b>	<b>56 292</b>	<b>1 291 640 983</b>	<b>1 085</b>	<b>1 073</b>	<b>552</b>	<b>175</b>	<b>264</b>	<b>0</b>	<b>209</b>	<b>113</b>	<b>31</b>	<b>63</b>

FF - Firefighters M - Men W - Women C - Children Uncl. - Unclassified

## Figure 4 - Source of Ignition

Summary 1997

## Section VI

Table 6 - Fire Deaths and Injuries

Table 6(a) - Fire Deaths, 1997 and 10-Year Summary

Jurisdiction	1997						Fire Death Rate *	10-Year Average	
	Firefighters	Men	Women	Children	Unclassified	Total		Average Number of Deaths	Fire Death Rate *
Alberta	0	21	10	6	0	37	1.30	40	1.53
British Columbia	0	18	16	4	3	41	1.04	39	1.24
Manitoba	0	15	6	3	0	24	2.10	24	2.10
New Brunswick	0	10	1	0	0	11	1.44	15	2.02
Newfoundland	0	0	0	0	9	9	1.60	13	2.25
Nova Scotia	0	1	0	0	0	1	0.10	22	2.40
Ontario	0	96	56	3	0	155	1.35	142	1.36
Prince Edward Island	0	0	0	0	2	2	1.45	4	2.82
Quebec	0	43	23	15	0	81	1.09	81	1.15
Saskatchewan	0	0	0	0	23	23	2.25	21	2.07
Northwest Territories	0	5	1	0	0	6	8.88	5	8.67
Yukon	0	0	0	0	0	0	0.00	1	3.77
National Defence	0	0	0	0	1	1	1.16	1	0.73
Indian Reserves	0	0	0	0	25	25	7.68	27	8.70
Federal Properties	0	0	0	0	0	0	0.00	0	0.00
<b>Total</b>	<b>0</b>	<b>209</b>	<b>113</b>	<b>31</b>	<b>63</b>	<b>416</b>	<b>1.35</b>	<b>435</b>	<b>1.51</b>

\* Fire death rate - number of fire deaths per 100 000 population per annum



Table 6(b) - Fire Injuries, 1997 and 10-Year Summary

Jurisdiction	1997					Total	Fire Injury Rate *	10-Year Average	
	Firefighters	Men	Women	Children	Unclassified			Average Number of Injuries	Fire Injury Rate *
Alberta	104	199	85	49	0	437	15.38	428	16.38
British Columbia	61	144	74	35	59	373	9.51	407	11.78
Manitoba	65	107	58	20	0	250	21.88	256	22.73
New Brunswick	12	13	8	7	0	40	5.25	82	8.68
Newfoundland	0	0	0	0	0	0	0.00	16	2.93
Nova Scotia	17	5	2	0	0	24	2.53	56	6.11
Ontario	708	419	234	39	93	1 493	13.07	1 650	15.94
Prince Edward Island	0	0	0	0	0	0	0.00	0	0.00
Quebec	115	143	85	23	0	366	4.92	511	7.32
Saskatchewan	0	0	0	0	59	59	5.77	86	8.58
Northwest Territories	4	12	4	0	0	20	29.62	1 870	32.29
Yukon	0	4	2	0	0	6	18.98	5	15.17
National Defence	0	0	0	0	7	7	8.14	11	7.81
Indian Reserves	0	0	0	0	45	45	13.82	27	8.75
Federal Properties	0	29	0	0	0	29	13.99	9	4.21
<b>Total</b>	<b>1 086</b>	<b>1 075</b>	<b>552</b>	<b>173</b>	<b>263</b>	<b>3 149</b>	<b>10.18</b>	<b>5 414</b>	<b>18.85</b>

\* Fire injury rate - number of fire injuries per 100 000 population per annum

## Section VII

Table 7 - Act or Omission Causing Fire

Act or Omission	Number of Fires	\$ Loss	Injuries					Deaths				
			FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
Arson or other set fires:												
Arson/suspected arson	2 351	57 771 043	68	39	22	4	6	0	20	5	2	0
Other set fires	7 214	124 048 249	108	55	25	12	3	0	15	9	3	1
Misuse of source of ignition:												
Smoker's material	936	11 128 481	29	41	25	15	8	0	7	5	1	0
Child playing	681	11 677 001	15	21	16	29	2	0	1	1	5	0
Welding, cutting, thawing	3 711	59 957 515	125	202	118	14	55	0	17	14	2	0
Unclassified	2 977	75 497 419	24	70	47	16	1	0	18	12	11	0
Misuse of material ignited	1 910	49 528 691	56	119	56	22	12	0	25	21	3	0
Mechanical, electrical failure, malfunction	10 594	223 000 897	130	151	55	20	14	0	15	6	0	0
Construction, design or installation deficiency	2 514	41 801 538	42	25	11	1	4	0	1	2	0	0
Misuse of equipment	344	8 081 860	4	5	0	0	0	0	2	0	0	0
Human failing:												
Asleep	72	1 087 652	1	8	4	2	0	0	1	2	0	0
Suspected impairment by alcohol, drugs, medication	111	1 838 850	2	24	8	0	1	0	6	3	0	1
Miscellaneous	2 126	66 497 163	28	99	70	16	23	0	10	9	2	0
Vehicle accident	279	5 540 142	1	7	4	0	1	0	6	1	0	1
Miscellaneous	20 472	544 184 482	452	209	89	24	134	0	61	26	3	60
<b>Total</b>	<b>56 292</b>	<b>1 291 640 983</b>	<b>1 085</b>	<b>1 075</b>	<b>550</b>	<b>175</b>	<b>264</b>	<b>0</b>	<b>205</b>	<b>116</b>	<b>32</b>	<b>63</b>

FF-Firefighters  
M-Men  
W-Women  
C-Children  
Unc. - Unclassified

**Figure 5 - Act or Omission Causing Fire**

**Summary 1997**

## Section VIII

### Table 8 - Losses of \$500 000 and over

#### Table 8(a) Alberta

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Barrhead City	97.01.04	Animal barn	Welding or cutting too close	1,000,000	0	0
Kneehill	97.02.08	Animal barn	Electrical short circuit	532,491	0	0
Bonnyville	97.02.21	Furniture, appliance, hardware sales	Unknown	776,564	0	0
Calgary	97.03.11	Building	Unknown	4,600,000	3	0
Edmonton	97.03.17	Hardware store	Electrical short circuit	2,050,000	0	0
Rockview	97.04.30	One and two family dwellings	Unknown	634,840	0	0
Athabasca City	97.05.16	Wood lumber manufacturer	Other installation deficiency	1,344,000	0	0
Edmonton	97.06.05	Restaurant, diner	Overheated cooking oil, grease	860,000	0	0
Leduc City	97.06.29	Metal products manufacturer	Vandalism, mischief,	620,381	0	0
Strathcona County	97.07.13	Petroleum refinery	Part failure, leak, break	3,000,000	0	0
Calgary	97.07.14	Warehouse	Improper storage	6,000,000	4	0
Rocky view	97.07.29	One and two family dwellings	Electrical short circuit	632,155	0	0
Calgary	97.08.04	Plastic products manufacturer	Unknown	1,050,000	2	0
Irma	97.08.26	Elevators grain	Miscellaneous unclassified	500,000	0	0
Red Deer	97.08.29	Apartments	Smoker's material	947,300	5	1
Wood Buffalo	97.09.12	Petroleum refinery	Unknown	2,500,000	1	0
Forestburg	97.10.03	Elevators grain	Mechanical electrical failure	750,000	0	0
Calgary	97.11.04	Building under construction	Arson spiteful purposes	1,000,000	1	0
Calgary	97.11.04	Apartments	Arson for spiteful purposes	1,600,379	1	0
Hinton	97.11.21	Food beverage sales	Suspected arson	550,000	0	0
Willow Creek	97.12.14	Trash, rubbish	Inadequate control of open fire	1,418,440	0	0
Willow Creek	97.12.14	Outdoor property	Inadequate control of open fire	914,825	0	0
Grand Prairie	97.12.17	Lumber, retail sales	Suspected arson	1,640,000	0	0
Rocky View	97.12.25	One and two family dwellings	Mechanical electrical failure	843,200	0	0

**Table 8(b) British Columbia**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Surrey	97.01.10	Dwelling year-round use	Ignorance of hazard	650,000	0	0
Sicamous	97.03.19	Motor vehicle repairs	Cannot be determined	500,000	0	0
Abbotsford	97.03.27	Medical, health, research or scientific office	Arson or set fire - cover-up crime	2,120,000	1	0
Parksville	97.03.30	Motor hotel, motel - over 20 units	Miscellaneous act or omission	1,500,000	0	0
Vancouver	97.04.17	Miscellaneous mercantile - unclassified	Cannot be determined	1,200,000	0	0
Abbotsford	97.04.20	Church, chapel	Suspected set fire - motive unknown	3,085,000	0	0
Kamloops	97.05.17	General warehouse	Arson or set fire - vandalism mischief	600,000	0	0
Whistler	97.05.18	Hotel, inn, lodge	Suspected set fire - motive unknown	750,000	0	0
Gold River	97.06.06	Hotel, inn, lodge	Suspected set fire - motive unknown	1,000,000	0	0
Vancouver	97.06.22	Variety store - small	Arson or set fire - motive unknown	600,000	0	0
Merritt	97.06.28	Sawmill, planning mill	Human failing - unclassified	25,000,000	0	0
Surrey	97.07.02	Electrical and electronic appliance manufacturer	Arson or set fire - motive unknown	915,000	1	0
Gibsons	97.07.06	Motor vehicle repairs	Cannot be determined	535,000	0	0
Tsay Keh	97.07.12	Dormitory - bunkhouse and workers' barrack	Cannot be determined	850,000	0	0
Delta	97.07.25	Elementary school	Torch too close	6,607,200	0	0
Whistler	97.08.10	Dwelling year-round use	Electrical short circuit	1,100,000	0	0
Kamloops	97.08.14	General warehouse	Cannot be determined	1,500,000	0	0
Thompson-Nicola	97.08.18	Hotel, inn, lodge - year round use	Cannot be determined	1,000,000	0	0
Ladysmith	97.09.01	Variety store - large	Cannot be determined	820,000	0	0
Chilliwack	97.10.05	Bank	Mechanical or electrical failure - unclassified	500,000	0	0
Lillooet	97.10.06	Electrical light and power generating plant	Mechanical or electrical failure - unclassified	500,000	1	0
Esquimalt	97.10.24	Commercial fishing vessel	Cannot be determined	35,000,000	0	0
Big White Village	97.10.26	Hotel, inn, lodge seasonal use	Accident	500,000	0	0
Langley Township	97.10.28	Paper pulp, paperboard products manufacturer	Distracted, preoccupied	2,510,000	1	0
Cariboo	97.12.10	Logging, equipment	Mechanical or electrical failure	500,000	0	0
Vancouver	97.12.14	Miscellaneous business and personal service	Cannot be determined	1,779,000	0	0
Surrey	97.12.21	Apartment, townhouse over 20 units	Cannot be determined	2,100,000	0	0
Sechelt	97.12.22	Sawmill, planing mill	Cannot be determined	500,000	0	0
Kamloops	97.12.27	Shopping mills, public area	Cannot be determined	537,500	0	0
North Vancouver City	97.12.31	Hardware store	Cannot be determined	540,000	0	0

**Table 8(c) Manitoba**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
RM of DeSalaberry	97.01.10	Dairy barn	Undetermined	512,000	0	0
Winkler	97.01.23	Industrial Manufacturing	Electrical	1,050,000	0	0
Winnipeg	97.01.24	Residential	Electrical	800,000	0	0
Winnipeg	97.01.31	Service station	Electrical	501,500	1	0
Dauphin	97.02.02	Restaurant	Suspicious	500,000	0	0
RM of Stanley	97.02.15	Storage barn	Undetermined, accidental	1,250,000	0	0
Brandon	97.03.13	Residential	Accidental	735,000	1	0
Winnipeg	97.05.28	Bowling alley	Accidental	3,600,000	0	0
RM of Wallace	97.06.06	Hog barn	Undetermined	2,100,000	1	0
Winkler	97.06.07	Seed Plant	Undetermined	1,300,000	2	0
Winnipeg	97.06.29	Vacant abattoir	Incendiary	1,000,000	0	0
Winnipeg	97.07.26	Apartment	Incendiary	1,000,000	2	0
Winnipeg	97.08.02	Vacant building	Incendiary	1,280,000	0	0
Portage la Prairie	97.08.07	Storage building	Incendiary	685,000	1	0
RM of Whitehead	97.08.24	Semi trailer	Accidental	600,000	0	0
RM of Woodlands	97.09.12	Barn	Accidental	529,074	0	0
Portage la Prairie	97.09.16	Storage barn	Undetermined	650,000	0	0
Winnipeg	97.09.17	Restaurant	Electrical	700,000	0	0
Winnipeg	97.09.30	Manufacturing	Accidental	1,500,000	2	0
Falcon Lake	97.10.03	Residential	Undetermined	2,000,000	0	0
Winnipeg	97.10.31	Manufacturing	Undetermined suspicious	3,000,000	0	0
Winnipeg	97.11.07	Food processing	Accidental	800,000	2	0
Winnipeg	97.12.05	Mercantile	Undetermined	500,000	0	0
RM of Piney	97.12.23	Restaurant	Electrical	850,000	0	0

**Table 8(d) New Brunswick**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Not available						

**Table 8(e) Newfoundland**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Not available						

**Table 8(f) Nova Scotia**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Blandford	97.01.05	Service station	Arson	500,000	0	0
Auld's Cove	97.02.01	Mining quarrying	Welding equipment	500,000	0	0
St. Margaret's Village	97.02.08	Church	Undetermined	578,406	0	0
Liverpool	97.11.20	Restaurant	Undetermined	555,880	0	0
Ingonish Beach	97.11.28	Restaurant	Electrical failure	600,000	0	0

**Table 8(g) Ontario**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Thunder Bay	97.01.05	Detached dwelling	Misused ignition	800,000	0	1
Oshawa	97.01.15	Road vehicles, parts	Misused ignition, too close to combustible	750,000	0	0
Mersea Township	97.01.16	Restaurant	Arson	700,000	0	0
Osnabruck Township	97.01.19	Church	Undetermined	2,000,000	0	0
Mississauga	97.01.21	Gas processing plant	Other	1,500,000	0	0
L'Orignal	97.02.03	Motor vehicle repair	Undetermined	1,000,000	0	0
Ottawa	97.02.03	Restaurant	Undetermined	750,000	0	0
Toronto	97.02.06	Detached dwelling	Undetermined	1,252,000	4	0
Sudbury	97.02.06	Other mercantile	Construction deficiency	600,000	0	0
Smith Falls	97.02.11	Bowling alley	Undetermined	775,000	0	0
Cornwall	97.02.14	Rooming board, lodging house	Arson	2,250,000	0	0
Toronto	97.02.26	Other industrial	Undetermined	1,100,000	7	0
Whitchurch	97.03.12	Secondary metal processing	Mechanical failure	500,000	0	0
Oshawa	97.03.19	Dental, medical office	Undetermined	5,500,000	0	0
Hamilton	97.03.25	Mercantile	Arson	750,000	2	0
Niagara-on-the-Lake	97.03.25	Garden supply	Undetermined	500,000	0	0
Armstrong	97.03.30	Miscellaneous structure	Undetermined	500,000	0	0
Armstrong	97.03.30	Miscellaneous structure	Undetermined	500,000	0	0
Cornwall	97.04.01	Chemicals	Vandalism	993,000	0	0
Etobicoke	97.04.04	Cold storage processed food	Undetermined	5,000,000	0	0
Mississauga	97.04.06	Speciality food store	Arson	500,000	0	0
Dumfries Township	97.04.16	Barn, fowl, animal shelter	Mechanical failure	800,000	0	0
King Township	97.05.06	Church	Undetermined	600,000	0	0
Nanticoke City	97.05.22	Petroleum products	Mechanical failure	1,000,000	0	0
Bracebridge	97.05.24	Lumber yard	Undetermined	2,000,000	0	0
Timmins	97.06.03	Sawmill, plywood manufacturer	Mechanical failure	30,000,000	0	0
Pickering	97.06.05	Meat, poultry, fish products	Undetermined	750,000	0	0
Forest Township	97.06.07	Business or personal services	Arson	500,000	0	0
Belleville	97.06.08	Laundry, dry cleaner	Arson	500,000	2	0
Mississauga	97.06.11	Detached dwelling	Undetermined	1,026,000	1	0
Vaughan	97.06.11	Detached dwelling	Undetermined	600,000	1	0
Kenora	97.06.11	Semi-detached dwelling	Undetermined	500,000	0	0
Toronto	97.06.12	Automobile	Mechanical failure	500,000	0	0
North York	97.06.12	Hydro distribution facility	Other	500,000	0	0
Toronto	97.06.13	Church	Undetermined	1,500,000	1	0

**Table 8(g) Ontario (con't)**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Mississauga	97.06.19	Motor vehicle repair garage	Undetermined	500,000	0	0
Mississauga	97.06.20	Detached dwelling	Misuse of material ignited	800,000	0	0
Portland	97.06.20	Detached garage	Misuse of material ignited	1,000,000	0	0
North York	97.06.23	Plastics	Electrical failure	1,000,000	0	0
Simcoe	97.06.24	Secondary processing, furniture	Other	750,000	0	0
Nichol Township	97.06.24	Road vehicles, parts	Other	500,000	4	0
Scugog Township	97.06.26	Barn, fowl, animal shelter	Undetermined	500,000	0	0
Richmond Hill	97.06.27	Plastics	Undetermined	500,000	0	0
Ottawa	97.07.07	Recycling facility	Undetermined	750,000	2	0
Toronto	97.07.09	Other industrial	Undetermined	500,000	5	0
Hamilton	97.07.09	Recycling facility	Undetermined	500,000	195	0
Wentworth	97.07.12	Market, indoors (flowers, fruits)	Arson	600,000	2	0
Hamilton	97.07.16	Industrial	Mechanical failure	1,000,000	4	0
Waterloo	97.07.17	Printing	Undetermined	500,000	0	0
Trenton	97.07.18	Wearing apparel manufacturing	Other	500,000	0	0
Sudbury	97.07.18	Elementary school	Electrical failure	500,000	0	0
York	97.07.21	Plastics	Maintenance deficiency	500,000	0	0
Whitby	97.07.23	Open land	Undetermined	500,000	0	0
Whitby	97.07.23	Furniture, appliance store	Misused ignition	500,000	1	0
Whitby	97.07.23	Apartment with business	Ignition source	500,000	0	0
Muskoka Lakes	97.07.24	Detached dwelling	Electrical failure	600,000	0	0
North Bay	97.07.27	Rubber goods	Undetermined	780,000	1	0
Deep River	97.07.30	Video rental shop	Maintenance deficiency	2,000,000	0	0
Walden	97.08.05	Trailer	Undetermined	1,000,000	0	0
Oxford	97.08.13	Barn, fowl, animal shelter	Undetermined	1,000,000	0	0
Stratford	97.08.19	Hydro distribution facility	Electrical failure	1,000,000	0	0
Murray	97.09.03	Detached dwelling	Undetermined	700,000	0	0
York	97.09.08	Specialty food store	Arson	1,000,000	0	0
Perth	97.09.19	Barn, fowl, animal shelter	Other	900,000	0	0
Lanark	97.09.26	Non residential club	Too close to combustible	628,000	0	0
Toronto	97.09.27	Apartment	Undetermined	1,025,000	3	0
Toronto	97.10.14	Other industrial	Undetermined	1,000,000	2	0
Vaughan	97.10.29	Waste transfer station	Mechanical failure	600,000	0	0
Papineau	97.11.13	Detached dwelling	Undetermined	20,550,000	0	0
Etobicoke	97.11.19	Secondary metal processing	Undetermined	1,000,000	0	0
Oakville	97.11.21	Detached dwelling	Misuse of material ignited	3,000,000	2	2
Woodstock	97.11.27	Detached dwelling	Ignition source, equipment unattended	500,000	0	0
Scarborough	97.12.04	Automobiles	Undetermined	50,030,901	0	0
Ottawa	97.12.07	Mercantile	Undetermined	116,000	0	0
Cochrane	97.12.08	Church	Electrical failure	700,000	0	0
Gloucester	97.12.13	Primary products, plywood, lumber	Undetermined	1,552,820	0	0
North York	97.12.14	Detached dwelling	Misuse of material ignited	5,200,000	4	0
Mississauga	97.12.16	Detached dwelling	Undetermined	4,000,000	0	0
Peel	97.12.20	Meat, poultry, fish	Undetermined	740,000	0	0
Welland	97.12.23	Detached dwelling	Misused ignition	700,000	1	0
London	97.12.24	Hotel, inn, lodge - licensed	Undetermined	800,000	0	0



### Table 8(h) Prince Edward Island

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Not available						

### Table 8(i) Quebec

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Grand-Mere	97.01.04	Wood industry, furniture, paper	Misuse of source of ignition	10,000,000	0	0
Sainte-Agathe-des-Monts	97.01.07	Cottage	Undetermined	520,000	0	0
Saint-Gabriel-de-Valcartier	97.01.10	Warehouse for vehicles, planes, other	Undetermined	500,000	0	0
Saint-Prime	97.01.22	Wood industry, furniture, paper	Mechanical, electrical failure	840,000	0	0
Bromptonville	97.01.23	Food industry	Mechanical, electrical failure	2,000,000	0	0
Saint-Narcisse	97.01.27	Textile industry	Mechanical, electrical failure	990,000	0	0
Saint-Jean-de-Matha	97.01.29	Farm products and building	Misuse of material ignited	949,926	0	0
Hebertville	97.02.02	Other business	Undetermined	500,000	0	0
Beloil	97.02.04	Other business	Mechanical, electrical failure	1,199,730	0	0
Sainte-Foy	97.02.09	Metal industry	Undetermined	730,000	0	0
Saint-Roch west	97.02.15	Farm products and building	Mechanical, electrical failure	562,910	0	0
Saint-Leonard	97.02.16	Assembly use	Undetermined	650,000	0	0
Lorraine	97.02.18	Residential 1 to 2 units	Construction deficiency	588,727	0	0
Pont-Rouge	97.02.19	Warehouse for farm products	Misuse of equipment	1,500,000	0	0
Dorval	97.02.24	Other living unit	Undetermined	500,000	0	0
Quebec	97.02.26	Restaurant with alcohol	Undetermined	1,000,000	0	0
Chicoutimi	97.02.26	Restaurant with alcohol	Incendiary	770,000	0	0
Montreal	97.03.04	Warehouse	Undetermined	4,150,000	2	0
Quebec	97.03.09	Apartment building, studio	Improper usage	576,550	1	0
Anjou	97.03.14	Apartment building, studio	Undetermined	979,400	0	0
Montreal	97.03.14	Residential 1 to 2 units	Voluntary fire	1,300,000	0	0
Tasiujaq	97.03.18	Hospital with short stay	Undetermined	1,000,000	0	0
Megantic Lake	97.03.19	Wood industry, furniture, paper	Undetermined	1,500,000	0	0
Montreal	97.03.19	Building under construction	Undetermined	500,000	1	0
Montreal	97.03.22	Chemical products	Undetermined	2,000,000	0	0
Cap-de-la-Madeleine	97.03.23	Food industry	Undetermined	7,000,000	0	0
Saint-Felicien	97.03.28	Wood industry, furniture, paper	Undetermined	1,000,000	0	0
Valcourt	97.04.01	Other	Voluntary fire	504,000	0	0
Montreal	97.04.11	Textile industry	Voluntary fire	836,774	0	0
Victoriaville	97.04.16	Warehouse	Incendiary	500,000	0	1
Sherbrooke	97.04.18	Metal Industry	Voluntary fire	500,000	0	0
Outremont	97.04.19	Apartment building, studio	Unclassified	749,396	0	0
Victoriaville	97.04.24	Wood industry, furniture, paper	Mechanical, electrical failure	719,225	3	0

**Table 8(i) Quebec (cont'd)**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Nobertville	97.04.29	Farm products and building	Mechanical and electrical failure	504,987	0	0
Sherbrooke	97.05.03	Storage for flammable liquids	Improper storage	500,000	0	0
Caplan	97.05.12	Business	Mechanical, electrical failure	730,351	0	0
Saint-Aubert	97.05.17	Wood, furniture and paper industry	Undetermined	1,000,000	0	0
Saint-Charles-de-Bellechasse	97.05.20	Food industry	Mechanical and electrical failure	1,025,000	0	0
Becancour	97.06.03	Wood, furniture and paper industry	Explosion	1,096,811	7	4
Pierrefonds	97.06.04	Dwelling 1 or 2 units	Mechanical and electrical failure	600,000	0	0
Laval	97.06.07	Metal products	Voluntary fire	1,500,000	0	0
Montreal	97.06.09	Dwelling 1 to 2 units	Misuse of material ignited	1,077,100	4	0
Montreal	97.06.14	Furniture, appliance, hardware	Voluntary fire	1,202,707	0	0
Maniwaki	97.06.15	Wood, furniture and paper industry	Mechanical, electrical failure	577,000	0	0
Montreal	97.06.24	Apartment building, studio	Voluntary fire	625,281	1	1
Montreal	97.06.24	Chemical, petroleum, paint	Human error	2,000,000	0	0
Longueuil	97.06.26	Food and beverages	Undetermined	1,160,000	0	0
Boisbriand	97.06.26	Restaurant with alcohol	Undetermined	585,233	0	0
Havre-Saint-Pierre	97.07.09	Outside	Undetermined	2,000,000	0	0
Trois-Rivieres	97.07.10	Apartment building, studio	Imprudence	698,156	0	0
Quebec	97.07.21	Farm products and building	Construction deficiency	520,000	0	0
Mistassini	97.08.03	Other dwelling	Voluntary fire	2,000,000	0	0
Mont-Laurier	97.08.05	Wood, furniture, paper industry	Mechanical and electrical failure	500,000	0	0
Quebec	97.08.06	Industry	Mechanical and electrical failure	800,000	0	0
Longueuil	97.08.11	Chemical, petroleum, paint	Human error	500,000	9	0
La Prairie	97.08.17	Warehouse	Voluntary fire	781,200	2	0
Montreal	97.08.20	Restaurant with alcohol	Voluntary fire	569,982	0	0
Notre-Dame-du-bon-Conseil	97.08.23	Industry	Undetermined	700,000	0	0
Port-Daniel	97.08.31	Hotel, Inn, Lodge	Mechanical and electrical failure	567,880	0	0
Quebec	97.09.05	Warehouse	Imprudence	1,031,780	0	0
Dorval	97.09.06	Textiles, fabrics, clothing	Undetermined	4,800,000	0	0
Montreal	97.09.13	Warehouse	Voluntary fire	2,120,000	5	0
Montreal	97.09.16	Wood and paper warehouse	Explosion	6,186,393	1	0
Laval	97.09.19	Repair shop	Improper fuelling technique	576,300	0	0
Sherbrooke	97.10.05	Metal industry	Explosion	500,000	0	0
Saint-Benoit	97.10.06	Chemical, petroleum, paint manufacturing	Voluntary fire	571,582	0	0
Roberval	97.10.10	Repair shop	Voluntary fire	815,365	1	0
Saint-Prime	97.10.10	Manufacturing	Imprudence	1,760,000	0	0
Roberval	97.10.11	Wood, furniture, paper manufacturing	Mechanical, electrical failure	5,000,000	0	0
Sainte-Helene-de-Bagot	97.10.13	Vehicle, boat	Explosion	1,069,388	0	0
Verdun	97.10.13	Theatre, concert hall	Voluntary fire	500,000	7	0
Saint-Jean-de-Richelieu	97.10.28	Metal manufacturing	Imprudence	3,000,000	0	0
Saint-Hubert	97.10.29	Apartment building, studio	Imprudence	685,096	0	0
Val-Belair	97.11.03	Food and beverages manufacturing	Voluntary fire	890,000	0	0
Val-Belair	97.11.03	Commerce	Voluntary fire	556,821	0	0
Victoriaville	97.11.03	Commerce	Undetermined	527,094	0	0
Saint-Jean-de-Richelieu	97.11.05	Restaurant with alcohol	Construction deficiency	1,250,431	0	0
Saint-Albert	97.11.06	Farm products and building	Undetermined	550,000	0	0

**Table 8(i) Quebec (cont'd)**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Sept-Iles	97.11.06	Food, beverages warehouse	Mechanical, electrical malfunction	592,187	0	0
Saint-Simon-les-Mines	97.11.10	Farm products and building	Mechanical, electrical malfunction	500,000	0	0
Magog	97.11.18	Textile products	Imprudence	1,100,000	0	0
Montreal	97.11.18	Dwelling	Voluntary fire	558,040	0	0
Laval	97.11.19	Commerce	Mechanical, electrical malfunction	1,914,218	0	0
Hull	97.11.26	Apartment building, studio	Construction deficiency	600,000	0	0
Saint-Prime	97.11.26	Commerce	Explosion	920,000	0	0
Saint-Laurent	97.11.27	Fabric industry	Construction deficiency	1,458,519	1	0
Sorel	97.12.01	Wood and paper warehouse	Undetermined	1,093,620	0	0
Grandby	97.12.09	Farm products and building	Undetermined	750,000	0	0
Montreal	97.12.09	Hospital	Undetermined	1,300,000	0	0
Nicolet	97.12.12	Office	Voluntary fire	1,147,200	3	0
Sept-Iles	97.12.14	Apartment building, studio	Mechanical, electrical deficiency	557,462	0	0
Montreal	97.12.17	Commerce	Undetermined	1,000,000	1	0
Laterriere	97.12.25	Wood, furniture, paper manufacturing	Explosion	500,000	0	0
Quebec	97.12.26	Department store	Explosion	2,735,301	0	0
Lachine	97.12.31	Apartment building, studio	Undetermined	1,633,083	0	0

**Table 8(j) Saskatchewan**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
None						

**Table 8(k) Northwest Territories**

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Panbirtung	97.03.09	School	Suspicious	9,000,000	0	0
Ft. Resolution	97.03.30	Unclassified	Incendiary	700,000	1	0
Yellowknife	97.08.26	Department store	Incendiary	1,050,000	0	0

### Table 8(l) Yukon

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Old Crow	97.01.28	School	Mechanical, electrical failure	3,800,000	0	0
Watson Lake	97.05.16	Sawmill, planing mill	Arson	500,000	0	0
Whitehorse	97.10.31	Power generating plant	Arson	7,000,000	1	0
Rural	97.12.12	Hotel, Inn, Lodge	Arson	600,000	0	0

### Table 8(m) National Defence

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Not available						

### Table 8(n) Indian Reserves

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
Not available						

### Table 8(o) Federal Jurisdiction

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Injuries	Deaths
None						

## Provincial and Territorial Fire Marshals and Fire Commissioners

Mr. R. McCullough  
Fire Commissioner  
Saskatchewan Municipal Government  
Office of the Fire Commissioner  
1855 Victoria Avenue, Suite 310  
Regina, Saskatchewan  
S4P 3V7

Mr. R. Dumala, P. Eng.  
Fire Commissioner  
Ministry Of Municipal Affairs  
800 Johnson Street, 3rd Floor  
Victoria, British Columbia  
V8W 9N7

Mr. Robert Cormier  
Fire Marshal  
Department of Labour  
P.O. Box 697  
5151 Terminal Rd.  
Halifax, Nova Scotia  
B3J 2T8

Mr. Fred Hollett  
Fire Commissioner  
Department Of Municipal and Provincial Affairs  
Pleasantville Fire Station  
Building 901, Box 8700  
St. John's, Newfoundland  
A1B 4J6

Ms. Philippa Gourley  
Fire Marshal  
Public Safety Branch  
Municipalities, Culture and Housing  
65 Brunswick Street, 3rd floor  
Fredericton, New Brunswick  
E3B 5H1

Mr. D. Gillis  
Fire Marshal  
Emergency Services Division  
Municipality and Community Affairs  
Government Of N.W.T.  
600, 5201-50<sup>th</sup> Avenue  
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Mr. David Blacquiére  
Fire Marshal  
Community Affairs and Attorney General  
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Mr. Doug Popowich  
Fire Commissioner  
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Lt. Col. Sean Tracey  
Canadian Forces Fire Marshal  
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Mr. P.W. Worona  
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Human Resources Development Canada  
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Associate Deputy Minister  
Civil Security and Fire Safety  
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Mr. T. Makey  
Fire Commissioner  
Alberta Municipal Affairs and Secretary Treasury of  
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Mr. B.A. Moyle  
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and Correctional Services  
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Fire Marshal  
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