

*Council of
Canadian Fire Marshals
and Fire Commissioners*



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

Annual Report 1995



Fire Losses in Canada

Annual Report 1995



Fire Losses in Canada

The 1995 "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 with a Constitution and rules and regulations. From the outset the Council has provided a forum through which issues or problems relating to all aspects of fire loss prevention could be discussed and resolved 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 1995 Annual Report of Fire Losses in Canada is the seventy-fourth 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.

I would like to thank the members of the CCFM & FC, INAC and Statistics Canada for their cooperation in providing the necessary data for this report and assisting in the objective to supply complete statistics on Canadian fire losses.

Sincerely,

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

Table of Contents

Section I	
Summary 1986 - 1995	
Table 1 - Canada Fire Losses, Fire Deaths and Fire Injuries	1
Figure 1 - Canada Fire Losses, Actual and Adjusted	2
Figure 2 - Canada Fire Deaths and 10-Year Average	3
Figure 3 - Canada Fire Injuries and 10-Year Average	4
Section II	
Fire Losses, 1995 and 10-Year Average	
Table 2 - Property Losses by Jurisdiction	5
Section III	
Fire Losses by Property Classification	
Table 3 - Summary of Fires by Property Classification	6
3(a) Residential Occupancies	7
3(b) Residential - Detail	8
3(c) Assembly	9
3(d) Assembly - Detail	10
3(e) Institutional	11
3(f) Institutional - Detail	12
3(g) Business and Personal Service	13
3(h) Mercantile Properties	14
3(i) Industrial Manufacturing Properties	15
3(j) Storage Properties	16
3(k) Special Properties (Outdoor and Vehicles)	17
3(l) Special Properties - Detail	18
3(m) Farm Properties	19
3(n) Miscellaneous Properties	20
Section IV	
Table 4 - Arson	21
Section V	
Table 5 - Fire Losses by Source of Ignition	22
Figure 4 - Source of Ignition	23
Section VI	
Table 6 - Fire Deaths and Injuries	
Table 6(a) - Fire Deaths, 1995 and 10-Year Summary	24
Table 6(b) - Fire Injuries, 1995 and 10-Year Summary	25

Section VII		
	Table 7 - Act or Omission Causing Fire	26
	Figure 5 - Act or Omission Causing Fire	27
Section VIII		
	Table 8 - Losses of \$500 000 and over	
	Table 8(a) Alberta.....	28
	Table 8(b) British Columbia.....	28
	Table 8(c) Manitoba	29
	Table 8(d) New Brunswick	30
	Table 8(e) Newfoundland.....	30
	Table 8(f) Nova Scotia	30
	Table 8(g) Ontario	30
	Table 8(h) Prince Edward Island.....	32
	Table 8(i) Quebec	33
	Table 8(j) Saskatchewan.....	35
	Table 8(k) Northwest Territories	35
	Table 8(l) Yukon	35
	Table 8(m) National Defence	35
	Table 8(n) Indian Reserves.....	36
	Table 8(o) Federal Properties	36
Appendix		
	Federal, Provincial and Territorial Fire Marshals and Fire Commissioners	37
	Order form	38

THE RECORD

In 1995, a total of 64 251 fires were reported; 400 fire deaths; 3 551 fire injuries; and a total of \$1 110 839 184 in property losses.

The "Residential" property classification continues to account for the largest number of fires. In 1995, there were 25 747 fires in this category, 40% of the Canadian total. These incidents resulted in 311 deaths or approximately 78% of the nation's fire fatalities. The monetary loss amounted to \$525 million, which is 47% of the total loss.

The property classification showing the second largest number of fires is "Special Properties," where 24 781 fires were reported, accounting for approximately 39% of the overall Canadian total. Ground transport vehicle accounted for 10 600 incidents of all fires within this property classification, amounting to a dollar loss of \$39 million. The total dollar loss for the "Special Properties" classification is \$107 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 6 631 and a dollar loss of \$80 million, "Cooking Equipment" with 7 171 incidents and a loss of \$71 million, and "Electrical Distribution Equipment" with 5 981 incidents and a loss of \$142 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 14 538. The 1995 dollar loss for this category is \$212 million. "Arson or Other Set Fires" accounted for 11 940 incidents, an increase of 8.32% from last year. The 1995 dollar loss of \$198 million from "Arson and Other Set Fires" was a slight increase of 3.03% from the 1994 figure of \$192 million.

In summary, this latest information indicates the total number of fire deaths increased from that recorded in 1994, the total number of fires decreased 3.70% from the previous year, and the dollar loss decreased 3.54%. Typically the category of "Residential Properties" remains an area of utmost concern, accounting for 78% of the total number of fire deaths, 40% of the total number of fires, and 47% 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.

Section I

Summary 1986 - 1995

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

Year	Population	Number of Fires	Per Capita \$ Loss	Fire \$ Loss	Death Deaths	Rate *	Injuries Injuries	Rate*
1986	25 783 567	68 163	984 758 302	38.19	579	2.25	3 870	15.01
1987	26 056 136	67 498	965 607 142	37.06	539	2.07	3 843	14.75
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
10-Year Average		67 326	1 125 945 602	40.69	465	1.68	3 685	13.32

* 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 1986 - 1995

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

Figure 2 - Canada Fire Deaths and 10-Year Average

Summary 1986 - 1995

Figure 3 - Canada Fire Injuries and 10-Year Average

Summary 1986 - 1995

Section II

Fire Losses, 1995 and 10-Year Average

Table 2 - Property Losses by Jurisdiction

Jurisdiction	Population 1995	Number of Fires		\$ Loss		Per Capita \$ Loss	
		1995	10-Year Average	1995 \$	10-Year Average	1995 \$	10-Year Average
Alberta	2 747 300	6 509	7 404	109 851 767	109 636 041	39.99	43.51
British Columbia	3 764 200	7 282	7 538	145 738 733	152 676 079	38.72	46.44
Manitoba	1 146 995	5 818	5 964	49 581 330	56 094 982	43.23	50.33
New Brunswick	750 900	1 664	2 057	20 833 513	23 515 600	27.74	26.17
Newfoundland	575 600	756	723	20 370 637	21 682 982	35.39	38.47
Nova Scotia	940 500	2 144	2 406	24 370 866	24 551 741	25.91	26.57
Ontario	11 131 800	22 208	22 956	348 274 435	342 882 940	31.29	34.14
Prince Edward Island	131 600	612	772	4 419 827	5 874 233	33.59	46.02
Quebec	7 182 807	12 898	13 544	344 071 715	330 829 624	47.90	48.86
Saskatchewan	1 007 400	3 155	2 914	25 492 885	35 714 186	25.31	35.54
Northwest Territories	57 649	141	169	3 500 734	6 240 951	60.72	112.12
Yukon	31 928	295	225	1 661 872	2 789 633	52.05	94.39
National Defence	88 101	177	179	1 509 529	2 592 149	17.13	11.99
Indian Reserves	325 475	536	429	10 300 000	8 628 190	31.65	27.13
Federal Properties	207 265	56	68	861 341	2 808 806	4.16	7.36
Summary	30 089 520	64 251	67 348	1 110 839 184	1 126 518 137	36.92	38.84

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	25 747	40.07	525 296 689	47.29	2 448	68.94	311	77.75
Assembly	2 120	3.30	64 366 414	5.79	123	3.46	1	0.25
Institutional	515	0.80	12 518 393	1.13	66	1.86	8	2.00
Business and personal service	646	1.01	25 131 655	2.26	28	0.79	0	0.00
Mercantile	1 686	2.62	93 215 248	8.39	153	4.31	1	0.25
Industrial manufacturing	1 473	2.29	100 773 653	9.07	175	4.93	2	0.50
Storage	1 858	2.89	65 697 740	5.91	94	2.65	3	0.75
Special	24 781	38.57	107 073 017	9.64	326	9.18	31	7.75
Farm	1 148	1.79	59 722 792	5.38	24	0.68	2	0.50
Miscellaneous*	4 277	6.66	57 043 583	5.14	114	3.20	41	10.25
Total	64 251	100.00	1 110 839 184	100.00	3 551	100.00	400	100.00

* 1995 total losses for Newfoundland and Indian Reserves have been included under "Miscellaneous" as their losses by specific property classifications are not available.

3(a) Residential Occupancies

Jurisdiction	1995			% of Total	10-Year Average 1986 - 1995			% of Total
	Number of Fires	% of Total	\$ Loss		Number of Fires	% of Total	\$ Loss	
Alberta	1 811	27.82	38 844 821	35.36	1 797	24.27	30 375 434	27.71
British Columbia	2 621	35.99	75 456 603	51.78	2 973	39.44	66 175 777	43.34
Manitoba	1 670	28.70	21 520 195	43.40	1 843	30.90	22 438 035	40.00
New Brunswick	987	59.31	14 506 801	69.63	1 322	64.27	12 431 670	52.87
Newfoundland*	N/A	N/A	N/A	N/A	262	36.24	4 746 547	21.89
Nova Scotia	1 281	59.75	15 635 322	64.16	1 479	68.98	14 159 422	57.67
Ontario	9 534	42.93	162 265 986	46.59	10 600	46.18	157 316 932	45.88
Prince Edward Island	352	57.52	2 052 826	46.45	542	70.21	2 327 942	39.63
Quebec	6 465	50.12	179 595 737	52.20	7 249	53.52	148 375 556	44.85
Saskatchewan	802	25.42	11 400 188	44.72	834	28.62	11 162 719	31.26
Northwest Territories	83	58.87	2 150 258	61.42	89	52.66	3 185 134	51.04
Yukon	92	31.19	1 196 625	72.00	86	38.22	1 139 283	40.84
National Defence	49	27.68	671 327	44.47	68	37.99	614 787	23.72
Indian Reserves*	N/A	N/A	N/A	N/A	69	16.08	3 545 102	41.09
Federal Properties	0	0.00	0	0.00	4	5.88	66 217	2.36
Total	25 747	40.41	525 296 689	47.73	29 217	43.38	478 060 557	42.44

Percentages used in this table relate to jurisdictional totals.

* 1995 total losses for Newfoundland and Indian Reserves have been included under "Table 3(n) Miscellaneous Properties" as their losses by specific classifications are not available.

3(b) Residential - Detail

Occupancy	Number of Fires	\$ Loss	Injuries	Deaths
One and two family residence	16 920	371 313 502	1 358	191
Apartment, tenement, flat	6 217	100 740 280	910	80
Rooming, boarding, lodging	243	4 027 539	61	7
Hotel, inn, lodge	280	8 746 662	26	2
Motor hotel, motel	101	2 451 367	11	2
Dormitory	69	1 045 081	4	0
Mobile home, trailer	877	17 526 172	47	20
Miscellaneous	1 040	19 446 086	31	9
Total	25 747	525 296 689	2 448	311

3 (c) Assembly

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	150	2.30	7 780 592	7.08
British Columbia	278	3.82	10 412 619	7.14
Manitoba	130	2.23	3 595 771	7.25
New Brunswick	36	2.16	2 252 192	10.81
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	54	2.52	2 038 430	8.36
Ontario	834	3.76	16 019 145	4.60
Prince Edward Island	10	1.63	13 790	0.31
Quebec	492	3.81	21 698 127	6.31
Saskatchewan	97	3.07	296 232	1.16
Northwest Territories	4	2.84	62 000	1.77
Yukon	9	3.05	27 000	1.62
National Defence	20	11.30	50 189	3.32
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	6	10.71	120 327	13.97
Total	2 120	3.33	64 366 414	5.85

Percentages used in this table relate to jurisdictional totals.

3(d) Assembly - Detail

Occupancy	Number of Fires	\$ Loss	Injuries	Deaths
Theatre, studio, auditorium	38	324 579	3	0
Amusement, recreation place	219	5 532 619	11	0
School, college, university	706	8 882 958	50	0
Church, funeral parlour	96	2 479 300	2	0
Club, social, sport	148	10 332 063	4	0
Museum, art gallery, library	34	163 494	1	0
Food, beverage establishment	662	28 482 846	42	0
Passenger terminal, station	49	337 806	4	0
Miscellaneous	168	7 830 749	6	1
<hr/>				
Total	2 120	64 366 414	123	1

3 (e) Institutional

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	33	0.51	3 359 491	3.06
British Columbia	41	0.56	142 855	0.10
Manitoba	40	0.69	117 685	0.24
New Brunswick	14	0.84	0	0.00
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	18	0.84	20 971	0.09
Ontario	210	0.95	2 924 100	0.84
Prince Edward Island	9	1.47	0	0.00
Quebec	105	0.81	5 922 187	1.72
Saskatchewan	8	0.25	14 700	0.06
Northwest Territories	2	1.42	0	0.00
Yukon	3	1.02	100	0.01
National Defence	0	0	0	0.00
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	32	57.14	16 304	1.89
Total	515	0.81	12 518 393	1.14

Percentages used in this table relate to jurisdictional totals.

3(f) Institutional - Detail

Occupancy	Number of Fires	\$ Loss	Injuries	Deaths
Prison, jail, reformatory	90	209 604	18	0
Home for the aged	150	3 349 508	29	8
Child care	29	136 200	4	0
Hospital, sanatorium, clinic	168	5 606 724	8	0
Miscellaneous	78	3 216 357	7	0
Total	515	12 518 393	66	8

3(g) Business and Personal Service

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	40	0.61	1 487 670	1.35
British Columbia	81	1.11	4 623 444	3.17
Manitoba	35	0.60	1 101 670	2.22
New Brunswick	18	1.08	529 931	2.54
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	11	0.51	478 657	1.96
Ontario	277	1.25	6 197 018	1.78
Prince Edward Island	21	3.43	1 440 859	32.60
Quebec	133	1.03	8 136 441	2.36
Saskatchewan	9	0.29	130 213	0.51
Northwest Territories	5	3.55	176 200	5.03
Yukon	1	0.34	70 000	4.21
National Defence	6	3.39	107 805	7.14
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	9	16.07	651 747	75.67
Total	646	1.01	25 131 655	2.28

Percentages used in this table relate to jurisdictional totals.

3(h) Mercantile Properties

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	140	2.15	8 105 459	7.38
British Columbia	179	2.46	9 126 968	6.26
Manitoba	75	1.29	5 152 146	10.39
New Brunswick	25	1.50	122 270	0.59
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	48	2.24	1 427 390	5.86
Ontario	595	2.68	31 445 416	9.03
Prince Edward Island	9	1.47	86 356	1.95
Quebec	551	4.27	36 758 966	10.68
Saskatchewan	53	1.68	964 922	3.79
Northwest Territories	0	0.00	0	0.00
Yukon	3	1.02	21 000	1.26
National Defence	7	3.95	4 335	0.29
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	1	1.79	20	0.00
Total	1 686	2.65	93 215 248	8.47

Percentages used in this table relate to jurisdictional totals.

3 (i) Industrial Manufacturing Properties

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	100	1.54	9 293 686	8.46
British Columbia	178	2.44	13 032 523	8.94
Manitoba	67	1.15	2 646 829	5.34
New Brunswick	34	2.04	871 336	4.18
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	11	0.51	794 342	3.26
Ontario	675	3.04	37 608 410	10.80
Prince Edward Island	4	0.65	0	0.00
Quebec	373	2.89	35 974 095	10.46
Saskatchewan	25	0.79	308 882	1.21
Northwest Territories	3	2.13	240 250	6.86
Yukon	0	0.00	0	0.00
National Defence	3	1.69	3 300	0.22
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	0	0.00	0	0.00
Total	1 473	2.31	100 773 653	9.16

Percentages used in this table relate to jurisdictional totals.

3(j) Storage Properties

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	469	7.21	14 539 267	13.24
British Columbia	192	2.64	7 820 320	5.37
Manitoba	200	3.44	4 536 433	9.15
New Brunswick	82	4.93	1 365 461	6.55
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	50	2.33	826 683	3.39
Ontario	338	1.52	15 017 158	4.31
Prince Edward Island	13	2.12	247 306	5.60
Quebec	310	2.40	14 737 840	4.28
Saskatchewan	177	5.61	5 360 539	21.03
Northwest Territories	7	4.96	683 159	19.51
Yukon	7	2.37	111 400	6.70
National Defence	12	6.78	450 632	29.85
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	1	1.79	1 542	0.18
Total	1 858	2.92	65 697 740	5.97

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	3 251	49.95	19 894 404	18.11
British Columbia	3 448	47.35	20 333 071	13.95
Manitoba	3 339	57.39	5 882 501	11.86
New Brunswick	395	23.74	764 529	3.67
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	523	24.39	1 344 377	5.52
Ontario	7 683	34.60	36 690 706	10.53
Prince Edward Island	154	25.16	249 695	5.65
Quebec	3 899	30.23	16 878 468	4.91
Saskatchewan	1 826	57.88	4 499 998	17.65
Northwest Territories	31	21.99	170 867	4.88
Yukon	172	58.31	154 747	9.31
National Defence	57	32.20	184 653	12.23
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	3	5.36	25 001	2.90
Total	24 781	38.89	107 073 017	9.73

Percentages used in this table relate to jurisdictional totals.

3(1) Special Properties - Detail

Occupancy	Number of Fires	\$ Loss	Injuries	Deaths
Outdoor property	5 482	5 291 318	79	7
Special connecting properties	94	298 087	0	0
Construction, demolition, vacant	324	8 454 288	24	0
Watercraft	160	2 733 628	11	0
Rail, transport vehicle and equipment	6 718	28 632 891	79	9
Ground transport vehicle	10 600	39 298 091	107	13
Aircraft	406	7 373 017	5	1
Special vehicle	803	14 208 171	14	0
Pier, wharf	194	783 526	7	1
Total	24 781	107 073 017	326	31

3 (m) Farm Properties

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	217	3.33	4 902 320	4.46
British Columbia	47	0.65	2 905 167	1.99
Manitoba	104	1.79	3 903 357	7.87
New Brunswick	23	1.38	209 636	1.01
Newfoundland	N/A	N/A	N/A	N/A
Nova Scotia	44	2.05	1 357 286	5.57
Ontario	388	1.75	28 369 512	8.15
Prince Edward Island	10	1.63	286 346	6.48
Quebec	166	1.29	15 328 944	4.46
Saskatchewan	147	4.66	2 415 224	9.47
Northwest Territories	0	0.00	0	0.00
Yukon	2	0.68	45 000	2.71
National Defence	0	0.00	0	0.00
Indian Reserves	N/A	N/A	N/A	N/A
Federal Properties	0	0.00	0	0.00
Total	1 148	1.80	59 722 792	5.43

Percentages used in this table relate to jurisdictional totals.

3(n) Miscellaneous Properties

Jurisdiction	Number of Fires	% of Total	\$ Loss	% of Total
Alberta	298	4.58	1 644 057	1.50
British Columbia	217	2.98	1 885 163	1.29
Manitoba	158	2.72	1 124 743	2.27
New Brunswick	50	3.00	211 357	1.01
Newfoundland*	*756	100.00	*20 370 637	100.00
Nova Scotia	104	4.85	447 408	1.84
Ontario	1 674	7.54	11 736 984	3.37
Prince Edward Island	30	4.90	42 649	0.96
Quebec	404	3.13	9 040 910	2.63
Saskatchewan	11	0.35	101 987	0.40
Northwest Territories	6	4.26	18 000	0.51
Yukon	6	2.03	36 000	2.17
National Defence	23	12.99	37 288	2.47
Indian Reserves*	*536	100.00	*10 300 000	100.00
Federal Properties	4	7.14	46 400	5.39
Total	4 277	6.66	57 043 583	5.14

Percentages used in this table relate to jurisdictional totals.

* 1995 total losses for Newfoundland and Indian Reserves have been included in this table.

Section V

Table 5 - Fire Losses by Source of Ignition

Source of Ignition (Igniting Object)	Number of Fires	\$ Loss	<u>Injuries</u>					<u>Deaths</u>				
			FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
No igniting object (e.g., lightning)	2 428	15 807 309	13	7	1	0	2	0	5	2	6	0
Cooking equipment	7 171	70 693 263	77	318	281	61	37	0	24	14	0	0
Heating equipment	5 200	92 811 849	65	93	32	21	18	1	14	9	11	0
Appliances and equipment	2 165	37 065 185	30	31	30	3	5	0	2	2	1	0
Electrical distribution equipment	5 981	142 361 154	113	88	26	10	3	0	6	4	3	0
Other electrical equipment	4 054	39 756 649	34	39	14	5	5	0	3	1	0	1
Smoker's material and "open flame":												
Smoker's material	3 790	41 967 062	107	186	90	26	26	0	42	21	8	0
Match, lighter (not used with smoking), lamp, candle, taper	2 841	37 575 318	32	71	70	51	10	0	2	3	4	0
Cutting torch, welding equipment, varied torches	876	28 047 555	29	39	3	0	3	0	1	0	0	0
Hot ashes, embers (non-smoking material)	503	8 189 881	16	16	0	1	1	0	1	0	2	0
Smoker's material or "open flame", unclassified	4 843	75 529 323	55	80	46	16	2	0	21	10	0	1
Exposure	1 874	22 896 328	17	14	6	0	0	0	8	2	2	0
Miscellaneous	7 379	121 764 462	145	143	32	10	54	0	17	16	9	0
Undetermined	15 146	376 373 846	363	183	97	32	18	0	52	35	8	26
Total	64 251	1 110 839 184	1096	1308	728	236	184	1	198	119	54	28

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

Figure 4 - Source of Ignition

Summary 1995

Section VI

Table 6 - Fire Deaths and Injuries

Table 6(a) - Fire Deaths, 1995 and 10-Year Summary

Jurisdiction	1995					Total	Fire Death Rate *	10-Year Average	
	Firefighters	Men	Women	Children	Unclassified			Average Number of Deaths	Fire Death Rate *
Alberta	0	19	7	10	0	36	1.31	45	1.75
British Columbia	1	18	12	3	2	36	0.96	44	1.38
Manitoba	0	10	8	0	0	18	1.57	25	2.30
New Brunswick	0	3	3	0	0	6	0.80	19	2.42
Newfoundland	0	0	0	0	6	6	1.04	13	2.51
Nova Scotia	0	9	4	0	0	13	1.38	25	2.77
Ontario	0	73	53	16	0	142	1.28	144	1.48
Prince Edward Island	0	1	0	0	0	1	0.76	5	3.56
Quebec	0	48	25	18	0	91	1.27	90	1.31
Saskatchewan	0	10	5	7	0	22	2.18	22	2.18
Northwest Territories	0	6	2	0	0	8	13.88	5	9.19
Yukon	0	1	0	0	0	1	3.13	2	6.36
National Defence	0	0	0	0	0	0	0.00	3	0.67
Indian Reserves	0	0	0	0	20	20	6.14	24	7.86
Federal Properties	0	0	0	0	0	0	0.00	0	0.00
Total	1	198	119	54	28	400	1.33	466	1.68

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

Table 6(b) - Fire Injuries, 1995 and 10-Year Summary

Jurisdiction	1995					Total	Fire Injury Rate *	10-Year Average	
	Firefighters	Men	Women	Children	Unclassified			Average Number of Injuries	Fire Injury Rate *
Alberta	61	209	99	58	0	427	15.54	420	16.86
British Columbia	85	163	80	38	48	414	11.10	401	12.45
Manitoba	46	108	65	25	0	244	21.27	265	23.44
New Brunswick	16	16	9	14	0	55	7.32	78	8.14
Newfoundland	0	0	0	0	18	18	3.13	22	3.63
Nova Scotia	16	14	3	0	0	33	3.51	67	7.46
Ontario	665	549	313	70	41	1 638	14.71	1762	17.82
Prince Edward Island	0	0	0	0	0	0	0.00	0	0.00
Quebec	190	211	147	30	0	578	8.05	546	8.07
Saskatchewan	13	12	6	0	47	78	7.74	84	8.55
Northwest Territories	0	9	2	1	3	15	26.02	18	31.03
Yukon	1	4	2	0	0	7	21.92	4	16.64
National Defence	3	6	0	0	0	9	10.22	12	8.47
Indian Reserves	0	0	0	0	27	27	8.30	21	6.88
Federal Properties	0	7	1	0	0	8	3.86	6	2.70
Total	1 096	1 308	728	236	184	3 551	11.80	371	13.22

* 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	4 895	61 213 505	122	49	24	10	9	0	14	8	5	0
Other set fires	7 045	137 304 809	130	50	36	10	5	0	7	7	5	0
Misuse of source of ignition:												
Smoker's material	1 093	11 409 553	21	59	25	5	2	0	13	5	0	0
Child playing	923	14 429 525	17	33	36	46	5	0	1	0	10	0
Welding, cutting, thawing	365	12 060 389	3	16	0	0	0	0	1	0	0	0
Unclassified	7 403	111 816 761	160	341	217	54	29	0	46	19	7	0
Misuse of material ignited	3 009	38 945 360	37	186	124	31	5	0	13	4	1	0
Mechanical, electrical failure, malfunction	14 538	212 992 685	165	135	48	13	8	0	9	12	3	0
Construction, design or installation deficiency	3 070	44 961 571	58	40	19	3	8	1	6	4	8	0
Misuse of equipment	608	10 665 651	2	5	1	1	12	0	3	0	0	0
Human failing:												
Asleep	84	1 384 329	0	13	5	4	2	0	2	0	0	0
Suspected impairment by alcohol, drugs, medication	113	3 784 149	1	27	10	3	0	0	15	5	0	0
Miscellaneous	2 928	37 686 203	22	117	64	32	25	0	10	10	4	1
Vehicle accident	554	8 125 215	4	13	3	0	0	0	4	2	0	0
Miscellaneous	17 623	404 059 479	354	224	116	24	74	0	54	43	11	27
Total	64 251	1 110 839 184	1 096	1 308	728	236	184	1	198	119	54	28

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

Figure 5 - Act or Omission Causing Fire

Summary 1995

Appendix

Federal, Provincial and Territorial Fire Marshals and Fire Commissioners

Mr. R. McCullough
Fire Commissioner
Department of Community Services
1855 Victoria Avenue
Regina, Saskatchewan
S4P 3T2

Mr. R. Dumala, P. Eng.
Fire Commissioner
Ministry Of Municipal Affairs, Recreation and Culture
800 Johnson Street, 3rd Floor
Victoria, British Columbia
V8V 1X4

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 9700
St. John's, Newfoundland
A1B 4J6

Mr. Jim Stith
Fire Marshal
Department of Municipal Affairs
Culture and Housing
65 Brunswick Street, 3rd floor
Fredericton, New Brunswick
E3B 1G5

Mr. D. Gillis
Fire Marshal
Fire Prevention Service
Government Of N.W.T.
4916-49th Street
Yellowknife, Northwest Territories
X1A 2L9

Mr. David Blacquiére
Fire Marshal
Dept. Of Municipal Affairs
31 Gordon Drive, P.O. Box 2000
Charlottetown, Prince Edward Island
C1A 7N8

Mr. Doug Popowich
Fire Commissioner
Manitoba Labour
Room 508-401 York Avenue
Winnipeg, Manitoba
R3C 0P8

Lt. Col. Stewart Moore
Canadian Forces Fire Marshal
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2

Mr. W.P. Worona
Director
Occupational, Safety and Health
and Fire Prevention Division
Human Resources Development Canada
Ottawa, Ontario
K1A 0J2

Mr. Daniel St. Onge
Direction de l'expertise en
sécurité incendie et sinistre
2525 boul. Laurier, 2e étage
Tour Laurentides
Sainte Foy, Québec
G1V 2L2

Mr. T. Makey
Fire Commissioner
Alberta Labour
Room 601, I.B.M. Building
10808 - 99th Ave.
Edmonton, Alberta
T5K 0G5

Mr. B.A. Moyle
Fire Marshal
Ministry of The Solicitor General
and Correctional Services
Place Nouveau Bldg.
5775 Yonge St. 7th floor
North York, Ontario
M2M 4J1

Mr. J. Holesworth
Fire Marshal
Government Of The Yukon
2nd And Hansen Streets
P.O. Box 2703
Whitehorse, Yukon
Y1A 2C6