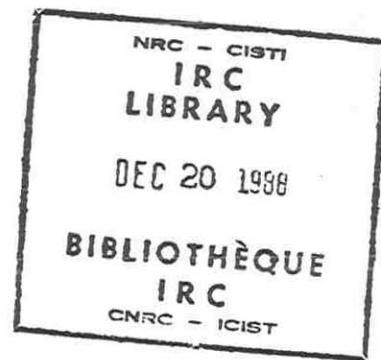

Annual Report

1987



Fire Losses in Canada

Canada

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To : The President and Members of the Association of Canadian Fire Marshals and Fire Commissioners

This 1987 Annual Report of Fire Losses in Canada is the sixty-sixth edition to be published. As in the past years, it is compiled from information supplied by the Association of Canadian Fire Marshals and Fire Commissioners (ACFM & FC) and Statistics Canada. The report is made available to the public by distribution through provincial and territorial fire marshals and fire commissioners. Copies are also forwarded to various public and government libraries and in response to specific requests.

For 1987 all major indicators are down. The number of fire deaths, fire injuries, fires and associated dollar loss are less than those of the previous year. The section following, entitled "The Record", elaborates more on the 1987 losses.

I would like to thank the members of the ACFM/FC and Statistics Canada for their co-operation in providing the necessary data for this report.

Yours truly,



T.J. Dunfield

Fire Commissioner of Canada

CONTENTS

The record of 1987

SECTION I - Summary, 1978-1987

Table 1 - Canada Fire Losses and Fire Deaths	1
Figure 1 - Property Loss	2
Figure 2 - Fire Deaths	3

SECTION II - Fire Losses, 1987 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	7
3(a) Residential Properties.....	8
3(b) Residential - Detail.....	9
3(c) Assembly	10
3(d) Assembly - Detail.....	11
3(e) Institutional	12
3(f) Institutional - Detail	13
3(g) Business and Personal Service	14
3(h) Mercantile Properties.....	15
3(i) Industrial Manufacturing Properties.....	16
3(j) Storage Properties	17
3(k) Special Properties (Outdoors and Vehicles).....	18
3(l) Special Properties - Detail.....	19
3(m) Farm Properties	20
3(n) Miscellaneous Properties.....	21

SECTION IV

Table 4 - Arson and Attempted Arson	23
---	----

SECTION V

Table 5 - Fire Losses by Source of Ignition	25
Figure 3 - Source of Ignition	26

SECTION VI

Table 6 - Fire Deaths and Injuries.....	27
6(a) - Fire Deaths, 1987 and 10-Year Summary	27
6(b) - Fire Injuries, 1987 and 5-Year Summary	28

SECTION VII

Table 7 - Act or Omission Causing Fire	29
Figure 4 - Act or Omission Causing Fire	30

SECTION VIII

Table 8 - Losses of \$ 500 000 and over	31
8(a) Alberta.....	31
8(b) British Columbia	33
8(c) Manitoba	34
8(d) New Brunswick.....	34
8(e) Newfoundland	35
8(f) Nova Scotia	35
8(g) Ontario	36
8(h) Prince Edward Island	38
8(i) Quebec	39
8(j) Saskatchewan.....	42
8(k) Northwest Territories.....	42
8(l) Yukon	42
8(m) National Defence	43
8(n) Federal Jurisdiction	43

APPENDIX

Provincial and Federal Fire Marshals and Fire Commissioners	44
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THE RECORD

The 1987 fire death total of 516 is a decline of approximately 7% from the recorded 1986 figure of 553. As was reported last year, the fire death total is in keeping with the downward trend started in 1981, and, in fact is the lowest number of recorded fire deaths since 1954.

The total number of fire injuries reported in 1987, 3 843 is a slight decrease to that recorded in 1986.

The reported number of fires, 67 168, is a decrease of 1% from the record of 1986. This is the seventh consecutive year that a decrease in the total number of fires has been noted.

The property loss figures of \$ 956 207 142 represents a decrease of approximately 2% from the 1986 dollar loss figure.

The "Residential" property classification continues to account for the largest number of fires. In 1987 there were 30 735 fires in this category, 46% of the Canadian total. These fires resulted in 439 deaths, or approximately 85% of the nation's fire fatalities, and 2 603 fire injuries, or approximately 68% of the nation's fire injuries. The monetary loss amounted to \$382 million, which is 40% of the total loss. Although there was a decrease of approximately 7% in the total number of residential fires reported in 1987, compared with 1986, the number of fire deaths and dollar loss remained virtually the same, with an increase of approximately 5% in the number of fire injuries. This trend in residential losses is contrary to the decline that is shown in the overall fire losses.

The property classification showing the second largest number of fires is "Special Properties" with 24 412 fires reported, accounting for approximately 36% of the Canadian total. Vehicle fires accounted for 17 536 incidents, or approximately 72% of all fires within this property classification, and a dollar loss of \$ 50 million. The total dollar loss for the "Special Properties" classification is approximately \$88 million, or 9% of the total.

In the category "Source of Ignition", the following three groups (exclusive of miscellaneous and undetermined) lead the list in reported number of fires : "Smoker's Material and Open Flame" with 13 783 fires and a dollar loss of \$ 151 million; "Cooking Equipment", with 8 914 fires and a dollar loss of \$ 55 million; and "Electrical Distribution Equipment", with 7 258 fires and a dollar loss of \$ 105 million.

Electrical distribution equipment incidents decreased approximately 8% over the last year and, as reported above, accounted for a dollar loss of \$ 105 million, which is a decrease of 43% from the previous year.

The 6 787 fires reported in the category of "Heating Equipment" is a decrease of approximately 13% from last year, and the dollar loss of \$ 96.6 million is a decrease of approximately 4%.

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, 17 482, a decrease of approximately 4%. The 1987 dollar loss of \$ 235.4 million for this category is an increase of approximately 37% from the previous year. "Arson or Other Set Fires" accounted for 8 994 incidents, an increase of only 0.7% from last year. The 1987 dollar loss of \$ 157.7 million for the "Arson or Other Set Fires" category was a 27% decrease from the \$ 215.9 million reported in 1986.

In summary, from the latest information compiled, the total number of fire deaths decreased approximately 7% from the previous year, the number of fire injuries decreased 0.7%, the total number of fires decreased approximately 1%, and the dollar loss decreased approximately 2%. As in previous years, the category of "Residential Properties" remains the area of extreme concern, accounting for 85% of fire deaths and approximately 68% of the fire injuries, with no signs of a downward trend.

The large number of fires that occurred as a result of "Smoker's Material and Open Flame" and associated dollar loss, as well as the number of "Arson or Other Set Fires" and associated dollar loss, are indicative of two other areas which require our utmost attention.

It is most gratifying to note a downward trend in number of fire deaths, fire injuries, the total number of fires, and the dollar loss figure. The 1987 fire death total, as mentioned previously in the report, is our lowest figure since 1954. We must, however, continue our concerted efforts against the peril of fire.

SECTION I
SUMMARY 1978-1987

TABLE 1 - CANADA FIRE LOSSES AND FIRE DEATHS

Year	Population	Number of Fires	Loss \$	Per Capita \$	Fire Deaths	Fire Death Rate*
1978	23 598 000	75 292	654 921 917	27.75	844	3.58
1979	23 914 400	83 107	756 427 141	31.63	733	3.07
1980	24 088 500	85 530	978 986 708	40.64	833	3.46
1981	24 213 000	79 263	905 422 511	37.39	694	2.87
1982	24 658 500	76 199	998 888 902	40.51	675	2.74
1983	24 889 000	70 953	815 967 016	32.78	539	2.17
1984	25 145 000	70 730	929 479 253	36.96	598	2.38
1985	25 380 000	70 061	925 955 586	36.48	550	2.17
1986	25 354 018	67 884	973 458 302	38.39	553	2.18
1987	25 625 200	67 168	956 207 142	37.32	516	2.01
TEN-YEAR AVERAGE		74 619	889 571 448	35.99	654	2.66

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

Figure 1
PROPERTY LOSS

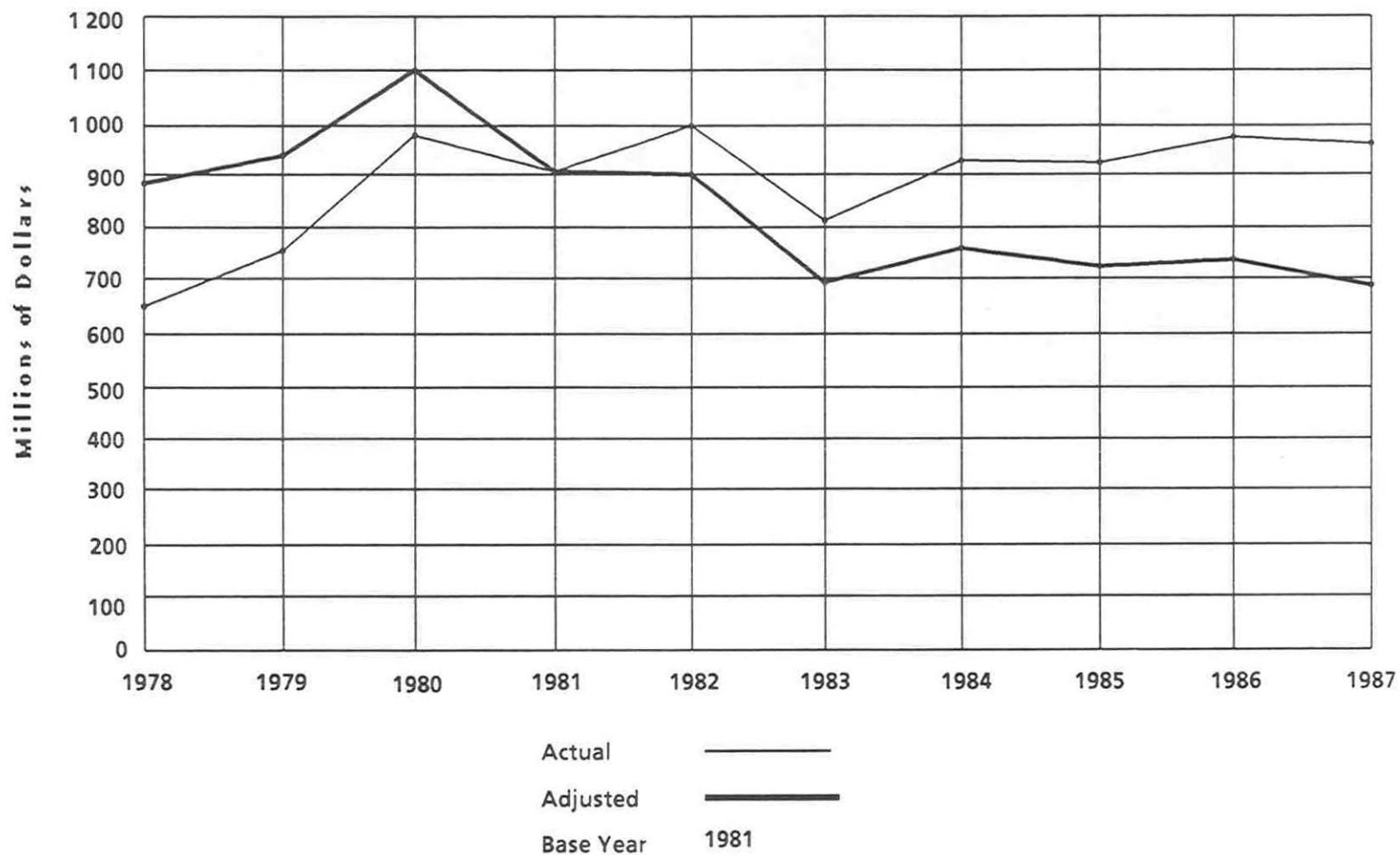
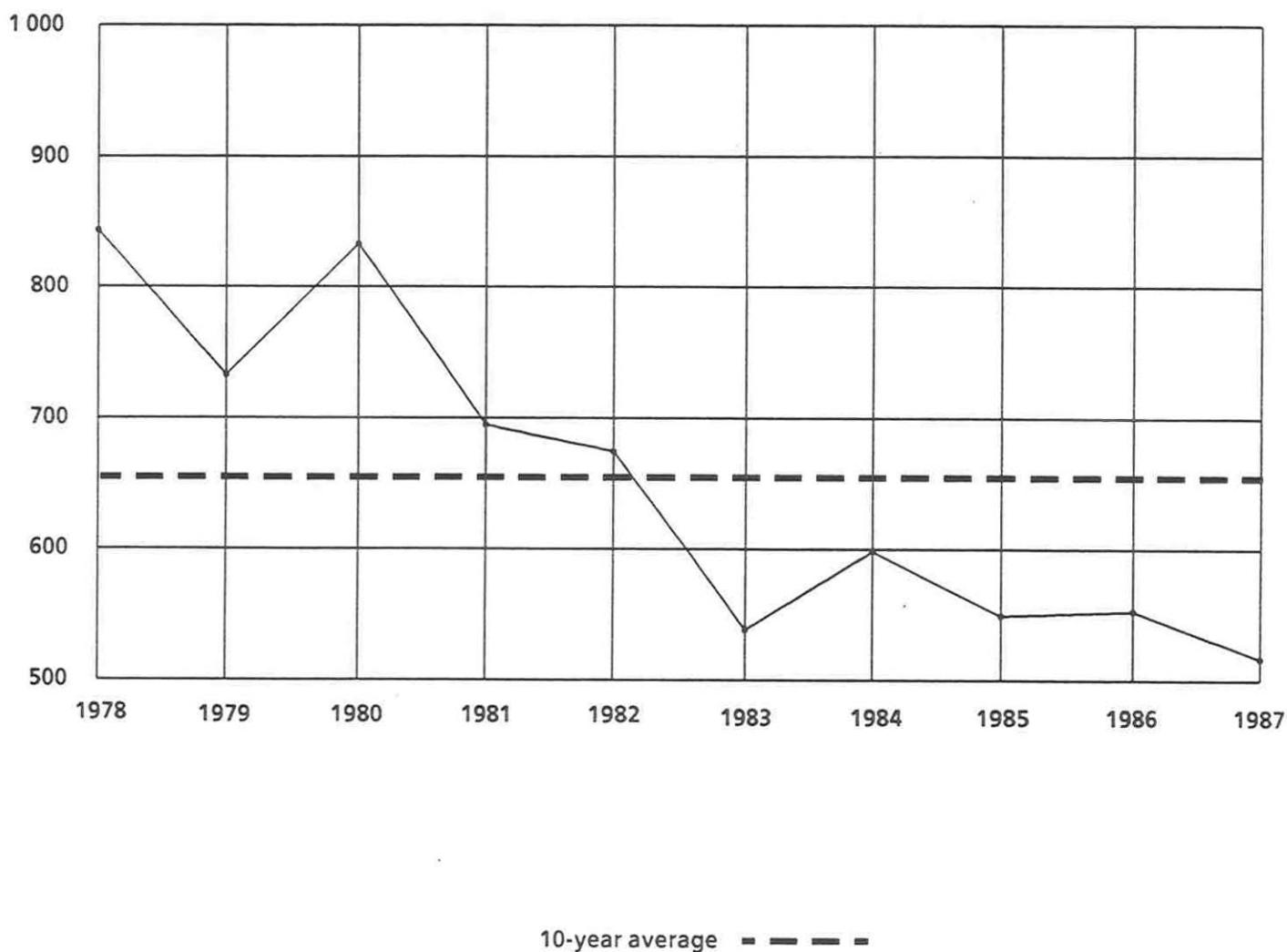


Figure 2
FIRE DEATHS



SECTION II
FIRE LOSSES, 1987 AND 10-YEAR AVERAGE

TABLE 2 - PROPERTY LOSSES BY JURISDICTION

Jurisdiction	Population 1987	Number of Fires		Loss \$		Loss per capita \$	
		1987	10-Year Average	1987	10-Year Average	1987	10-Year Average
Alberta	2 380 400	7 878	9 629	156 917 168	120 588 429	65.92	53.25
British Columbia	2 925 700	7 542	7 459	117 159 528	115 168 384	40.04	41.36
Manitoba	1 079 000	5 987	6 367	49 704 396	40 273 884	46.07	38.36
New Brunswick	712 300	2 010	1 689	14 546 465	18 159 083	20.42	25.61
Newfoundland	568 200	768	903	14 822 123	16 569 177	26.09	28.73
Nova Scotia	878 900	2 323	2 613	19 968 912	25 857 657	22.72	29.98
Ontario	9 270 700	23 106	24 552	279 925 231	225 273 768	30.19	25.48
Prince Edward Island	127 300	558	593	4 435 751	3 919 332	34.84	31.35
Quebec	6 592 600	13 597	17 256	263 415 262	283 400 079	39.96	43.90
Saskatchewan	1 014 000	2 811	3 066	23 478 991	30 014 744	23.15	30.33
Northwest Territories	51 700	127	169	4 033 522	5 757 085	78.02	123.69
Yukon	24 400	155	153	1 147 604	1 730 143	47.03	77.15
National Defence	195 354	187	237	5 069 516	2 494 096	-	-
Federal Properties	235 582	119	375	1 582 673	6 333 413	-	-
CANADA	25 625 200	67 168	75 062	956 207 142	895 539 274	37.32	35.94

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	30 735	45.76	382 633 391	40.02	2 603	67.73	439	85.08
Assembly	2 108	3.14	71 922 247	7.52	171	4.45	6	1.16
Institutional	588	0.88	5 446 305	0.57	29	0.75	3	0.58
Business and personal service	583	0.87	20 582 099	2.15	35	0.91	1	0.19
Mercantile	2 037	3.03	100 109 424	10.47	150	3.90	4	0.78
Industrial manufacturing	1 780	2.65	147 135 503	15.39	239	6.22	5	0.97
Storage	1 771	2.64	63 279 057	6.62	115	2.99	1	0.19
Special	24 412	36.34	88 437 154	9.25	365	9.50	45	8.72
Farm	1 351	2.01	46 615 321	4.88	9	0.23	1	0.19
Miscellaneous	1 803	2.68	30 046 641	3.14	127	3.30	11	2.13
TOTAL	67 168	100.00	956 207 142	100.00	3 843	100.00	516	100.00

3(a) Residential Properties

Jurisdiction	1987				Ten-Year Average 1978 - 1987			
	Number of Fires	% of Total	Loss \$	% of Total	Number of Fires	% of Total	Loss \$	% of Total
Alberta	2 403	30.50	31 923 344	20.34	3 044	38.64	30 321 337	19.32
British Columbia	3 238	42.93	49 163 256	41.96	3 312	43.91	49 354 351	42.13
Manitoba	1 940	32.40	20 963 571	42.18	2 164	36.14	15 100 852	30.38
New Brunswick	1 222	60.80	9 343 633	64.23	1 039	51.69	10 630 451	73.08
Newfoundland	439	57.16	7 425 404	50.10	520	67.68	6 905 705	46.59
Nova Scotia	1 405	60.48	10 892 785	54.55	1 636	70.43	10 266 570	51.41
Ontario	11 004	47.62	123 597 322	44.15	11 627	50.32	91 973 534	32.86
Prince Edward Island	440	78.85	1 722 013	38.82	412	73.78	1 793 288	40.43
Quebec	7 519	55.30	113 272 958	43.00	10 225	75.20	117 319 178	44.54
Saskatchewan	919	32.69	10 522 026	44.81	1 154	41.05	10 349 141	44.08
Northwest Territories	76	59.84	2 131 069	52.83	95	74.96	1 786 424	44.29
Yukon	44	28.39	647 855	56.45	70	45.16	1 020 282	88.91
National Defence	75	40.11	870 113	17.16	112	60.05	471 560	9.30
Federal Properties	11	9.24	158 042	9.99	53	44.79	562 308	35.53
CANADA	30 735	45.76	382 633 391	40.02	35 461	52.79	347 854 980	36.38

Percentages used in Table 3 relate to jurisdictional totals.

3(b) Residential - Detail

Occupancy	Fires	Loss \$	Injuries	Deaths
One and two family residence	20 443	255 323 086	1 307	277
Apartment, tenement, flat	6 847	78 867 042	1 053	98
Rooming, boarding, lodging	344	4 175 392	60	15
Hotel, inn, lodge	388	10 407 132	40	9
Motor hotel, motel	121	5 182 387	15	1
Dormitory	94	1 440 459	9	0
Mobile home, trailer	1 116	13 781 114	76	24
Miscellaneous	1 382	13 456 779	43	15
TOTAL	30 735	382 633 391	2 603	439

3(c) Assembly

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	173	2.20	5 515 620	3.51
British Columbia	239	3.17	13 779 121	11.76
Manitoba	99	1.65	6 785 485	13.65
New Brunswick	32	1.59	380 210	2.61
Newfoundland	12	1.56	2 157 165	14.55
Nova Scotia	52	2.24	1 302 295	6.52
Ontario	920	3.98	15 761 731	5.63
Prince Edward Island	9	1.61	550 900	12.42
Quebec	480	3.53	21 971 614	8.34
Saskatchewan	56	1.99	3 065 304	13.06
Northwest Territories	4	3.15	14 001	0.35
Yukon	2	1.29	76 000	6.62
National Defence	19	10.16	552 933	10.91
Federal Properties	11	9.24	9 868	0.62
CANADA	2 108	3.14	71 922 247	7.52

3(d) Assembly - Detail

Occupancy	Fires	Loss \$	Injuries	Deaths
Theatre, studio, auditorium	42	5 964 818	6	0
Amusement, recreation place	242	6 510 657	15	0
School, college, university	508	14 900 685	22	0
Church, funeral parlour	130	15 404 823	14	4
Club, social, sport	128	4 603 490	12	0
Museum, art gallery, library	21	1 692 586	0	0
Food, beverage establishment	834	20 153 002	96	2
Passenger terminal, station	134	1 986 564	2	0
Miscellaneous	69	705 622	4	0
TOTAL	2 108	71 922 247	171	6

3(e) Institutional

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	56	0.71	1 159 745	0.74
British Columbia	38	0.50	326 888	0.28
Manitoba	44	0.73	27 586	0.06
New Brunswick	10	0.50	278 153	1.91
Newfoundland	5	0.65	237 431	1.60
Nova Scotia	19	0.82	70 039	0.35
Ontario	222	0.96	342 897	0.12
Prince Edward Island	0	0.00	0	0.00
Quebec	117	0.86	2 108 928	0.80
Saskatchewan	12	0.43	17 519	0.07
Northwest Territories	0	0.00	0	0.00
Yukon	1	0.65	200	0.02
National Defence	1	0.53	25	0.00
Federal Properties	63	52.94	876 894	55.41
CANADA	588	0.88	5 446 305	0.57

3(f) Institutional - Detail

Occupancy	Fires	Loss \$	Injuries	Deaths
Prison, jail, reformatory	115	2 616 944	3	0
Home for the aged	159	726 602	13	3
Child care facility	12	230 534	1	0
Hospital, sanatorium, clinic	250	1 514 239	8	0
Miscellaneous	52	357 986	4	0
TOTAL	588	5 446 305	29	3

3(g) Business and Personal Service

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	57	0.72	1 721 926	1.10
British Columbia	71	0.94	3 909 057	3.34
Manitoba	22	0.37	450 383	0.91
New Brunswick	13	0.65	323 935	2.23
Newfoundland	1	0.13	123 608	0.83
Nova Scotia	14	0.60	89 800	0.45
Ontario	189	0.82	5 421 261	1.94
Prince Edward Island	2	0.36	717 645	16.18
Quebec	170	1.25	7 247 768	2.75
Saskatchewan	19	0.68	326 581	1.39
Northwest Territories	3	2.36	15 000	0.37
Yukon	1	0.65	1 000	0.09
National Defence	7	3.74	30 980	0.61
Federal Properties	14	11.76	203 155	12.84
CANADA	583	0.87	20 582 099	2.15

3(h) Mercantile Properties

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	137	1.74	9 628 454	6.14
British Columbia	208	2.76	13 773 757	11.76
Manitoba	65	1.09	4 128 509	8.31
New Brunswick	37	1.84	1 469 411	10.10
Newfoundland	14	1.82	1 323 720	8.93
Nova Scotia	39	1.68	2 245 614	11.25
Ontario	839	3.63	33 616 479	12.01
Prince Edward Island	5	0.90	54 421	1.23
Quebec	632	4.65	31 861 087	12.10
Saskatchewan	47	1.67	1 030 044	4.39
Northwest Territories	4	3.15	709 000	17.58
Yukon	3	1.94	261 750	22.81
National Defence	6	3.21	6 013	0.12
Federal Properties	1	0.84	1 165	0.07
CANADA	2 037	3.03	100 109 424	10.47

3(i) Industrial Manufacturing Properties

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	110	1.40	62 370 623	39.75
British Columbia	164	2.17	7 880 790	6.73
Manitoba	79	1.32	4 500 287	9.05
New Brunswick	37	1.84	1 002 209	6.89
Newfoundland	6	0.78	315 050	2.13
Nova Scotia	28	1.21	1 562 202	7.82
Ontario	946	4.09	38 123 152	13.62
Prince Edward Island	0	0.00	0	0.00
Quebec	389	2.86	29 711 874	11.28
Saskatchewan	19	0.68	1 664 166	7.09
Northwest Territories	0	0.00	0	0.00
Yukon	0	0.00	0	0.00
National Defence	2	1.07	5 150	0.10
Federal Properties	0	0.00	0	0.00
 CANADA	 1 780	 2.65	 147 135 503	 15.39

3(j) Storage Properties

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	381	4.84	9 652 161	6.15
British Columbia	282	3.74	11 209 287	9.57
Manitoba	204	3.41	3 851 410	7.75
New Brunswick	56	2.79	273 806	1.88
Newfoundland	14	1.82	264 096	1.78
Nova Scotia	60	2.58	621 846	3.11
Ontario	259	1.12	15 994 575	5.71
Prince Edward Island	13	2.33	263 153	5.93
Quebec	268	1.97	16 044 961	6.09
Saskatchewan	206	7.33	1 835 399	7.82
Northwest Territories	6	4.72	67 442	1.67
Yukon	4	2.58	43 000	3.75
National Defence	14	7.49	3 137 920	61.90
Federal Properties	4	3.36	20 001	1.26
CANADA	1 771	2.64	63 279 057	6.62

3(k) Special Properties (Outdoor and Vehicles)

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	3 895	49.44	15 631 355	9.96
British Columbia	3 104	41.16	14 588 240	12.45
Manitoba	3 228	53.92	5 552 225	11.17
New Brunswick	546	27.16	1 017 575	7.00
Newfoundland	218	28.39	1 398 268	9.43
Nova Scotia	517	22.26	862 048	4.32
Ontario	7 896	34.17	24 829 683	8.87
Prince Edward Island	68	12.19	220 611	4.97
Quebec	3 480	25.59	19 196 244	7.29
Saskatchewan	1 287	45.78	3 479 901	14.82
Northwest Territories	29	22.83	1 070 010	26.53
Yukon	91	58.71	92 699	8.08
National Defence	44	23.53	435 751	8.60
Federal Properties	9	7.56	62 544	3.95
CANADA	24 412	36.34	88 437 154	9.25

3(l) Special Properties - Detail

Occupancy	Fires	Loss \$	Injuries	Deaths
Outdoor property	4 345	2 486 498	75	3
Special connecting properties	29	977 509	3	0
Construction, demolition, vacant	459	8 546 523	22	0
Watercraft	207	3 226 692	26	3
Rail transport vehicle and equipment	345	4 697 988	20	0
Ground transport vehicle	17 536	50 028 174	196	33
Aircraft	16	689 035	0	4
Special vehicle	1 152	14 401 562	23	2
Pier, wharf	323	3 383 173	0	0
TOTAL	24 412	88 437 154	365	45

3(m) Farm Properties

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	319	4.05	5 442 678	3.47
British Columbia	52	0.69	1 662 140	1.42
Manitoba	168	2.81	2 764 983	5.56
New Brunswick	5	0.25	61 675	0.42
Newfoundland	4	0.52	22 000	0.15
Nova Scotia	38	1.64	604 998	3.03
Ontario	438	1.90	19 439 323	6.94
Prince Edward Island	16	2.87	873 509	19.69
Quebec	197	1.45	14 940 254	5.67
Saskatchewan	113	4.02	798 761	3.40
Northwest Territories	0	0.00	0	0.00
Yukon	1	0.65	5 000	0.44
National Defence	0	0.00	0	0.00
Federal Properties	0	0.00	0	0.00
 CANADA	 1 351	 2.01	 46 615 321	 4.88

3(n) Miscellaneous Properties

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	347	4.40	13 871 262	8.84
British Columbia	146	1.94	866 992	0.74
Manitoba	138	2.30	679 957	1.37
New Brunswick	52	2.59	395 858	2.72
Newfoundland	55	7.16	1 555 381	10.49
Nova Scotia	151	6.50	1 717 285	8.60
Ontario	393	1.70	2 798 808	1.00
Prince Edward Island	5	0.90	33 499	0.76
Quebec	345	2.54	7 059 574	2.68
Saskatchewan	133	4.73	739 290	3.15
Northwest Territories	5	3.94	27 000	0.67
Yukon	8	5.16	20 100	1.75
National Defence	19	10.16	30 631	0.60
Federal Properties	6	5.04	251 004	15.86
CANADA	1 803	2.68	30 046 641	3.14

SECTION IV

TABLE 4 - ARSON AND ATTEMPTED ARSON

Jurisdiction	Offences Cleared					Persons Charged					
	Suspected or Known Incendiary		Actual Number	By Charge	Otherwise	Adults		Young Offenders		Not Charged	
	Unfounded	M				M	F	M	F		
Alberta	747	99	648	104	86	55	6	49	3	70	
British Columbia	1 185	85	1 100	124	89	53	11	53	4	75	
Manitoba	453	39	414	83	45	42	8	34	11	45	
New Brunswick	556	200	356	33	24	16	3	15	0	11	
Newfoundland	106	6	100	41	14	25	3	20	0	15	
Nova Scotia	310	48	262	29	19	20	1	11	0	13	
Ontario	2 207	171	2 036	351	274	186	45	68	10	136	
Prince Edward Island	53	0	53	7	3	3	0	3	0	3	
Quebec	4 431	1 571	2 860	401	201	287	38	117	13	42	
Saskatchewan	229	26	273	48	33	39	1	12	0	33	
Northwest Territories	35	6	29	13	3	6	3	4	0	1	
Yukon	16	2	14	3	2	0	1	0	2	6	
CANADA	10 398	2 253	8 145	1 237	793	732	120	386	43	450	

M - male; F - female

Source : Canadian Centre for Justice Statistics - Statistics Canada

SECTION V

TABLE 5 - FIRE LOSSES BY SOURCE OF IGNITION

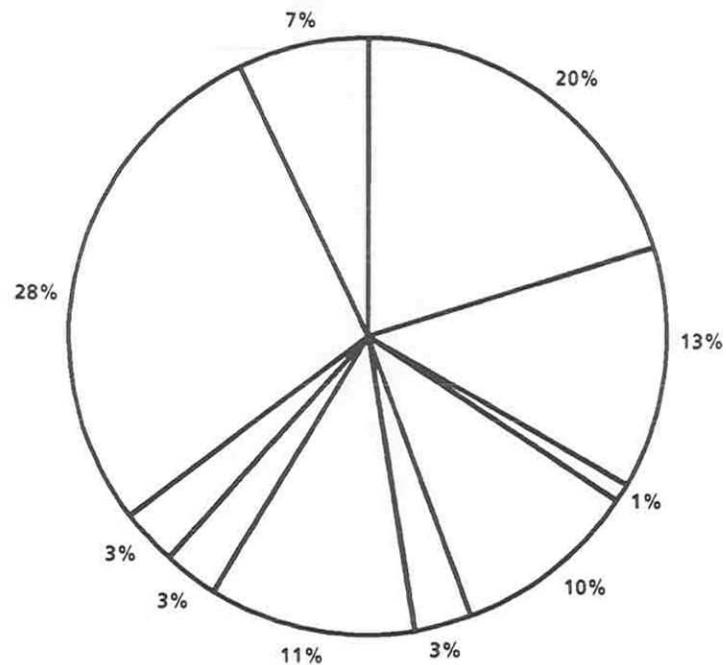
Source of Ignition (Igniting object)	Number of Fires	Loss \$	Injuries						Deaths													
			FF		M		W		C		Uncl.		FF		M		W		C		Uncl.	
No igniting object (e.g., lightning)	595	12 454 945	3	10	3	1	0		0	1	0	0	0	0	0	0	0	0				
Cooking equipment	8 914	55 414 565	73	406	248	60	5		0	30	12	6	0	0	0	0	0	0				
Heating equipment	6 787	93 676 964	106	154	40	19	1		0	24	7	1	0	0	0	0	0	0				
Appliances and equipment	2 285	21 734 026	36	32	17	11	0		0	3	2	2	0	0	0	0	0	0				
Electrical distribution equipment	7 258	105 246 510	136	149	25	8	0		0	16	8	3	0	0	0	0	0	0				
Other electrical equipment	1 782	25 027 685	39	30	8	0	1		0	3	0	2	0	0	0	0	0	0				
Smoker's material and open flame :																						
Smoker's material	3 954	33 494 246	157	223	95	28	3		0	72	23	16	0	0	0	0	0	0				
Match, lighter (not used with smoking), lamp, candle, taper	3 107	31 263 025	65	58	46	38	1		1	12	5	14	0	0	0	0	0	0				
Cutting torch, welding equip., varied torches	3 305	30 404 584	31	87	19	10	0		0	5	0	3	0	0	0	0	0	0				
Hot ashes, embers (non-smoking material)	494	7 368 392	22	7	3	0	0		0	1	0	1	0	0	0	0	0	0				
Smoker's material or open flame, uncl.	2 923	48 605 432	45	88	40	1	0		3	14	19	0	0	0	0	0	0	0				
Exposure	2 030	18 494 433	13	7	0	1	0		0	0	1	0	0	0	0	0	0	0				
Miscellaneous	18 700	369 613 547	500	243	104	29	1		2	84	28	17	0	0	0	0	0	0				
Undetermined	5 034	103 408 788	70	112	49	25	1		1	50	13	11	0	0	0	0	0	0				
TOTAL	67 168	956 207 142	1 296	1 606	697	231	13		7	315	118	76	0	0	0	0	0	0				

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

Figure 3

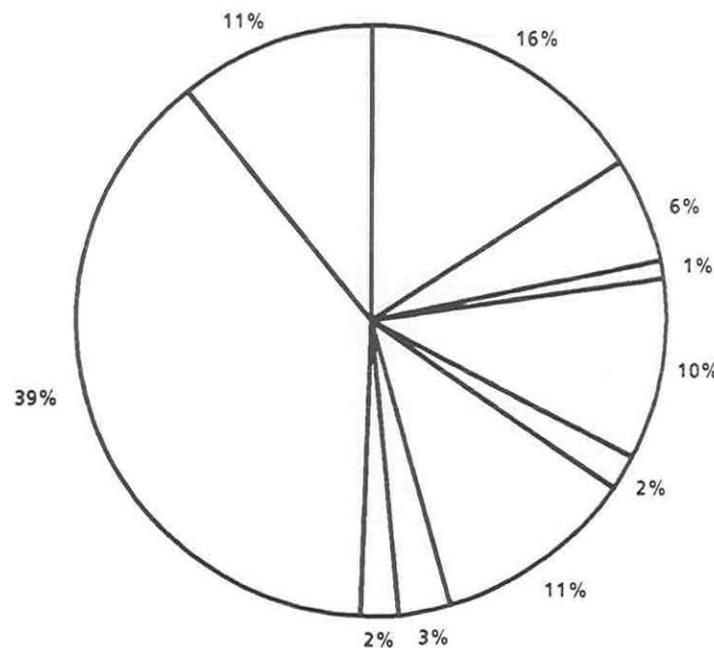
SOURCE OF IGNITION
1987

3(a) NUMBER OF FIRES



20%	Smoker's material
13%	Cooking equipment
1%	No igniting object
10%	Heating equipment
3%	Appliances and equipment
11%	Electrical distribution equipment
3%	Other electrical equipment
3%	Exposure
28%	Miscellaneous
7%	Undetermined

3(b) LOSS



16%	Smoker's material
6%	Cooking equipment
1%	No igniting object
10%	Heating equipment
2%	Appliances and equipment
11%	Electrical distribution equipment
3%	Other electrical equipment
2%	Exposure
39%	Miscellaneous
11%	Undetermined

SECTION VI

TABLE 6 - FIRE DEATHS AND INJURIES

TABLE 6(a) FIRE DEATHS, 1987 AND 10-YEAR SUMMARY

Jurisdiction	1987					Fire Death Rate*	10-Year Summary	
	FF	M	W	C	Total		Average No. of Deaths	Fire Death Rate*
Alberta	2	42	12	9	65	2.73	69	3.12
British Columbia	0	24	13	5	42	1.44	78	2.84
Manitoba	0	15	3	8	26	2.41	40	3.86
New Brunswick	0	20	2	5	27	3.79	25	3.51
Newfoundland	0	11	2	4	17	2.99	21	3.62
Nova Scotia	0	24	11	1	36	4.10	28	3.19
Ontario	2	94	32	24	152	1.64	194	2.21
Prince Edward Island	0	4	0	0	4	3.14	5	4.25
Quebec	3	65	34	0	102	1.55	149	2.31
Saskatchewan	0	13	7	17	37	3.65	34	3.45
Northwest Territories	0	2	1	0	3	5.80	8	18.17
Yukon	0	1	1	3	5	20.49	2	7.35
National Defence	0	0	0	0	0	0.00	1	-
Federal Properties	0	0	0	0	0	0.00	1	-
CANADA	7	315	118	76	516	2.01	653	2.65

FF - Firefighters; M - Men; W - Women; C - Children.

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

TABLE 6(b) FIRE INJURIES, 1987 AND 5-YEAR SUMMARY

Jurisdiction	1987						Fire Injury Rate*	Five-Year Summary	
	FF	M	W	C	Uncl.	Total		Average No. of Injuries	Fire Injury Rate*
Alberta	84	191	76	25	0	376	15.80	426	18.02
British Columbia	107	161	67	50	13	398	13.60	388	13.49
Manitoba	0	229	48	19	0	296	27.43	272	25.51
New Brunswick	13	20	15	4	0	52	7.30	30	4.21
Newfoundland	1	9	3	5	0	18	3.17	27	4.63
Nova Scotia	36	24	8	5	0	73	8.31	91	10.46
Ontario	850	667	323	113	0	1 953	21.07	2 001	22.13
Prince Edward Island	0	0	0	0	0	0	0.00	0	0.00
Quebec	182	248	139	0	0	569	8.63	651	9.93
Saskatchewan	22	30	13	10	0	75	7.40	66	6.49
Northwest Territories	0	5	3	0	0	8	15.47	11	20.92
Yukon	0	5	0	0	0	5	20.49	4	19.09
National Defence	1	14	0	0	0	15	7.68	15	-
Federal Properties	0	3	2	0	0	5	2.12	10	-
CANADA	1 296	1 606	697	231	13	3 843	15.00	3 966	15.69

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

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

SECTION VII

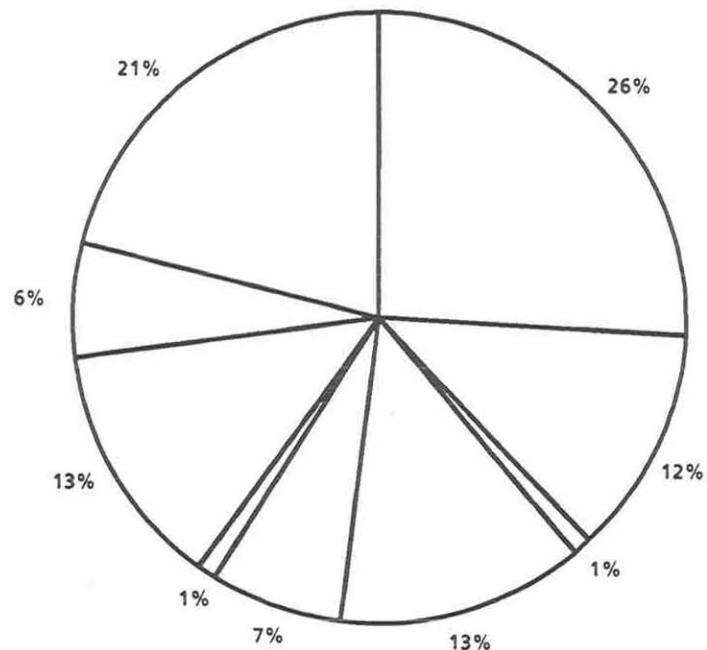
TABLE 7 - ACT OR OMISSION CAUSING FIRE

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	2 531	59 401 365	164	41	28	10	0	0	13	5	1	0
Other set fires	6 463	98 368 400	93	106	38	2	1	3	8	7	0	0
Misuse of source of ignition :												
Smoker's material	1 261	13 187 085	19	54	20	6	1	0	27	14	7	0
Child playing with	1 289	10 646 736	39	24	27	47	0	0	3	3	21	0
Welding, cutting, thawing	358	8 725 554	9	6	0	1	0	0	1	0	0	0
Unclassified	4 985	42 891 343	150	201	108	24	2	1	41	10	6	0
Misuse of material ignited	8 437	84 967 124	120	389	220	45	0	0	37	16	3	0
Mechanical, electrical failure, malfunction	17 482	235 467 051	238	230	54	18	2	1	29	13	8	0
Construction, design or installation deficiency	4 617	61 147 601	101	114	37	21	0	1	7	4	1	0
Misuse of equipment	879	8 116 142	38	37	8	3	0	0	5	2	2	0
Human failing :												
Asleep	127	923 779	1	8	4	0	0	0	9	1	2	0
Suspected impairment by alcohol, drugs, medication	170	1 702 549	6	34	7	1	0	0	6	0	4	0
Miscellaneous	3 765	30 632 874	37	129	72	16	5	0	16	13	0	0
Vehicle accident	616	5 858 142	3	17	3	0	0	1	17	3	0	0
Miscellaneous	14 188	294 171 397	278	216	71	37	2	0	96	27	21	0
TOTAL	67 168	956 207 142	1 296	1 606	697	231	13	7	315	118	76	0

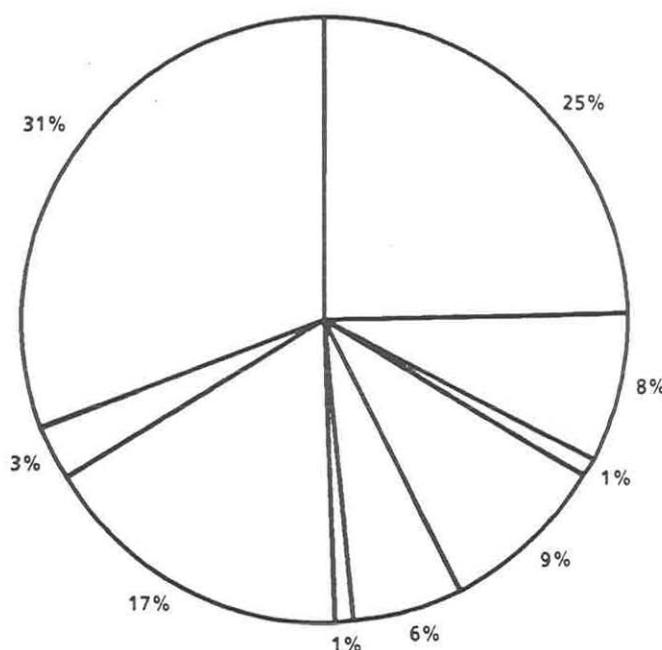
Figure 4

ACT OR OMISSION CAUSING FIRE
1987

4(a) NUMBER OF FIRES



4(b) LOSS



26%	Mechanical, electrical failure
12%	Misuse of source of ignition
1%	Vehicle accident
13%	Misuse of material ignited
7%	Construction, design or installation deficiency
1%	Misuse of equipment
13%	Arson or other set fires
6%	Human failing
21%	Miscellaneous

25%	Mechanical, electrical failure
8%	Misuse of source of ignition
1%	Vehicle accident
9%	Misuse of material ignited
6%	Construction, design or installation deficiency
1%	Misuse of equipment
17%	Arson or other set fires
3%	Human failing
31%	Miscellaneous

SECTION VIII

TABLE 8 - LOSSES OF \$500 000 AND OVER

Table 8(a) Alberta

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Improvement Dist. No. 4	87.01.10	Gas distribution plant	Part failure	6 000 000	0	0
Calgary	87.01.11	Duplex	Ignorance of hazard	568 200	4	0
Edmonton	87.01.11	Industrial manufacturing property unclassified	Automatic control failure	750 000	0	0
Calgary	87.01.19	Paint store	Human failing	686 354	7	0
Wetaskiwin	87.01.20	Builder's supply store	Unknown	550 000	0	0
Bonnyville	87.01.21	Provincial government office	Arson	672 728	0	0
County Dist. No. Unknown	87.01.26	Gas manufacturing	Part failure	630 000	0	0
Slave Lake	87.02.15	Hotel	Arson	1 502 602	0	0
Banff	87.02.21	Motel	Mechanical, electrical failure	1 850 000	0	0
Edmonton	87.02.27	Night club	Mechanical, electrical failure	1 812 000	0	0
Edmonton	87.03.06	Metal manufacturing	Unknown	850 000	0	0
Grand Centre	87.03.09	Mall	Mechanical, electrical failure	1 566 384	0	0
Banff	87.03.14	Bank	Unknown	1 200 000	0	0
Edmonton	87.03.27	Electrical appliances and supplies	Arson	1 365 000	0	0
Calgary	87.04.21	General business office	Arson	591 123	1	0
Municipal Dist. No. 31	87.04.29	Slaughter house	Unknown	850 000	0	0
Edmonton	87.05.01	Hazardous chemical manufacturing	Measure of material	1 200 000	0	0
Municipal Dist. No. 130	87.05.05	Cattle barn	Unknown	608 116	0	0
Camrose	87.05.09	Bridge	Uncontrolled open fire	1 000 000	0	0
Vermilion	87.05.14	Variety store	Unknown	724 782	0	0
Calgary	87.05.26	Specialty food store	Smoker's material	859 001	1	0
Edmonton	87.05.31	Vehicle repair garage	Welding and cutting too close	593 326	0	0
Edmonton	87.06.04	Warehouse	Unknown	1 458 307	0	0

Table 8(a) Alberta (cont'd)

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Drumheller	87.06.18	Prison	Arson	1 100 000	0	0
Fort Saskatchewan	87.06.11	Gasoline manufacturing plant	Part failure	1 000 000	0	0
Drumheller	87.06.14	Heavy machinery equipment	Electrical short circuit	627 568	0	0
County No. 26	87.08.30	Cattle barn	Mechanical, electrical failure	650 000	0	0
Hinton	87.09.04	Sawmill	Torch too close	583 500	3	0
Improvement Dist. No. 8	87.10.11	Gasoline manufacturing plant	Mechanical	55 000 000	0	0
Municipal Dist. No. 14	87.10.17	Bridge	Vehicle accident	800 000	0	0
County No. 29	87.11.24	Flammable liquid tank truck	Part failure	500 000	0	0
Improvement Dist. No. 17	87.12.12	Gasoline manufacturing plant	Unknown	2 600 000	0	0
Medicine Hat	87.12.29	Grain mill	Unknown	500 000	0	0

Table 8(b) British Columbia

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Prince George	87.02.24	Dwelling, year-round use	Unknown	615 016	0	0
Chilliwack	87.02.25	Country club	Unknown	864 900	0	0
Thompson-Nicola	87.03.15	Radio, T.V. studio	Accident	5 000 000	0	0
New Westminster	87.03.30	Elementary school	Arson or set fire	1 801 506	0	0
Lasqueti Island	87.05.14	Dwelling, seasonal use	Unknown	500 000	0	0
Port Coquitlam	87.05.21	Supermarket	Arson or set fire	500 000	0	0
Vancouver	87.06.03	Supermarket	Arson or set fire	500 000	0	0
Kamloops	87.06.05	Elementary school	Suspected set fire	500 000	3	0
Vancouver	87.06.18	General warehouse	Unknown	3 293 394	9	0
Vancouver	87.06.29	Apartment	Fuel spilled accidentally	652 325	3	0
Squamish-Lillooet	87.07.12	Rail transport vehicle and equipment	Unknown	1 000 000	0	0
North Cowichan	87.07.24	Pier, wharf	Suspected set fire-motive unknown	850 000	0	0
Nelson	87.07.28	Vacant property	Welding or cutting too close	791 242	1	0
Vancouver	87.08.21	Apartment	Smoker's material	556 200	1	0
Chilliwack	87.08.29	Apartment	Arson	727 297	0	0
North Vancouver	87.09.02	Marina	Unclassified	575 000	0	0
Langford	87.09.10	Warehouse	Ignorance of hazard	946 000	0	0
Kelowna	87.09.15	Rubber products manufacturing	Electrical short circuit	670 000	3	0
Quesnel	87.09.26	Helicopter	Accident	500 000	0	0
Victoria	87.09.27	Furniture sales	Electrical short circuit	4 486 280	0	0
Burnaby	87.10.10	Sawmill	Unknown	1 492 000	0	0
Pitt Meadows	87.10.25	Supermarket	Unknown	754 500	4	0
Vancouver	87.11.01	Warehouse	Unknown	1 525 000	3	0
Vancouver	87.11.15	Miscellaneous mercantile	Unknown	1 155 000	3	0
Vancouver	87.11.19	Warehouse	Unknown	600 000	0	0
Matsqui	87.12.08	General business office	Unknown-suspected set fire	1 215 378	0	0

Table 8(c) Manitoba

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Winnipeg	87.01.18	Industrial manufacturing	Undetermined	626 000	2	0
Winnipeg	87.01.23	Industrial storage	Accidental	1 439 548	7	0
Winnipeg	87.04.05	Apartment	Incendiary	1 316 184	9	0
Winnipeg	87.04.15	School	Undetermined	550 000	0	0
Riverton	87.04.22	Mercantile	Undetermined	750 000	0	0
Winnipeg	87.05.15	Apartment	Undetermined	2 148 663	3	0
Winnipeg	87.06.04	Mercantile	Undetermined	753 000	3	0
Winnipeg	87.07.23	Industrial storage	Incendiary	900 000	0	0
Winnipeg	87.09.29	Meat processing unit	Electrical	1 200 000	0	0
Blanshard	87.11.14	Ice rink	Incendiary	860 000	0	0
The Pas	87.12.06	Industrial manufacturing	Misc. unclassified	1 435 000	0	0
Winnipeg	87.12.27	Church	Unknown	4 000 000	3	0

Table 8(d) New Brunswick

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Bathurst	87.01.18	Motor vehicle boat sales/services	Mechanical, electrical	774 942	0	0

Table 8(e) Newfoundland

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
St. John's	87.01.19	Warehouse	Mechanical failure	1 000 000	0	0
St. Bernard's	87.08.10	School	Undetermined	1 963 000	0	0

Table 8(f) Nova Scotia

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Dartmouth	87.04.02	Hardware store	Undetermined	1 537 000	0	0

Table 8(g) Ontario

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Toronto	87.01.02	Dwelling	Unknown	579 450	2	0
Etobicoke	87.01.18	Railway train	Misuse of igniting object	1 000 000	0	0
Dryden	87.01.19	Hardware store	Arson	1 000 000	0	0
Sudbury	87.01.31	Manufacturing/processing unclassified	Misuse of igniting object	900 000	0	0
Nepean	87.02.06	Manufacturing	Unclassified	750 000	2	0
Toronto	87.02.15	Business office	Undetermined	750 000	3	0
North York	87.02.21	Dwelling	Arson	528 000	2	0
North York	87.02.21	Manufacturing/processing	Misuse of material ignited	1 300 000	12	0
Hawkesbury	87.02.22	Furniture store	Accidental	4 020 000	0	0
Haldimand	87.02.26	Manufacturing unclassified	Undetermined	1 000 000	0	0
North York	87.03.03	Doctors' office	Misuse of igniting object	1 000 000	6	0
Kitchener	87.03.06	Manufacturing unclassified	Misuse of material ignited	750 000	0	0
Vaughan	87.03.11	Dwelling	Undetermined	1 500 000	3	0
Thorold	87.03.20	Dwelling	Undetermined	600 000	2	0
Toronto	87.03.21	Restaurant	Arson	800 000	3	0
Sudbury	87.04.02	Church	Arson	1 600 000	1	1
Sioux	87.04.03	Warehousing : flammable/combustible materials	Accidental	550 000	0	0
Attawapiskat	87.04.07	Utility unclassified	Undetermined	750 000	0	0
Ottawa	87.04.20	Paint wallpaper store	Misuse of ignited object	2 000 000	2	0
Pelham	87.04.25	Pulp and paper manufacturing	Undetermined	550 000	0	0
Vaughan	87.05.02	Dairy goods or produce storage	Undetermined	800 000	0	0
Picton	87.05.05	Furniture store	Arson	1 020 000	0	0
Renfrew	87.05.08	Manufacturing/processing	Undetermined	650 000	0	0
Bancroft	87.05.09	Hardware store	Undetermined	557 000	0	0
Markham	87.05.09	Dwelling	Undetermined	600 000	0	0
Ottawa	87.05.09	Dwelling	Arson	2 001 009	4	0
Mitchell	87.05.11	Warehouse	Mechanical/electrical failure	1 100 000	0	0

Table 8(g) Ontario (cont'd)

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Markham	87.05.12	Dwelling	Undetermined	1 000 000	8	0
North York	87.05.12	Manufacturing unknown	Misuse of equipment	500 000	8	0
Windsor	87.05.16	Manufacturing/processing	Undetermined	6 000 000	0	0
Thunder Bay	87.05.27	Coal products	Mechanical/electrical failure	1 500 000	0	0
Cornwall	87.05.30	Church	Mechanical/electrical failure	1 000 000	3	0
Sudbury	87.06.13	Mercantile miscellaneous	Arson	650 000	1	0
Gwillimbury	87.06.18	Marine terminal	Undetermined	690 000	0	0
Mississauga	87.06.23	Manufacturing/processing	Undetermined	1 000 000	0	0
Scarborough	87.07.04	Warehousing/storage	Arson	500 000	4	0
Clarence	87.07.24	Seed, bean, grain storage	Undetermined	737 000	0	0
Hamilton	87.08.01	Manufacturing/processing unclassified	Mechanical/electrical failure	1 000 000	0	0
Carleton	87.08.08	Manufacturing unknown	Accidental	4 000 000	0	0
North Bay	87.08.21	Motel	Arson	1 000 000	0	0
Exeter	87.08.27	School - elementary	Arson	1 300 000	0	0
Stoney Creek	87.09.02	Commercial unclassified	Mechanical/electrical failure	900 000	1	0
Amabel	87.09.06	Barn	Undetermined	900 000	0	0
Sioux	87.09.26	Railway station	Undetermined	900 000	0	0
Mississauga	87.10.19	Mercantile miscellaneous	Undetermined	1 500 000	0	0
Ottawa	87.11.01	Multi-unit dwelling	Undetermined	1 800 000	0	0
Rockland	87.11.08	Drug Store	Undetermined	1 200 000	0	0
East York	87.11.17	Manufacturing unclassified	Accidental	500 000	1	0
Windsor	87.11.21	Warehouse	Arson	7 020 000	0	0
Etobicoke	87.11.24	Beauty parlour	Accidental	2 000 000	0	0
Belleville	87.12.05	Commercial-furniture	Undetermined	3 000 000	0	0
Stoney Creek	87.12.12	Barn	Undetermined	500 000	0	0
Toronto	87.12.19	Mercantile miscellaneous	Misuse of igniting object	600 000	0	0
Etobicoke	87.12.24	Warehouse	Undetermined	550 000	0	0

Table 8(h) Prince Edward Island

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Parkdale	87.08.16	Mini mall	Unknown	650 000	0	0

Table 8(i) Quebec

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Saint-Germain-de-Grantham	87.01.01	Farm building	Not reported	618540	0	0
Victoriaville	87.01.05	Pulp and paper industry	Not reported	2 800 000	0	0
Terrebonne	87.01.08	Chemical, petroleum manufacturing	Not reported	650000	4	0
Sainte-Eulalie	87.01.09	Public utilities	Not reported	1000000	0	0
Saint-Tite	87.01.23	Office	Not reported	600 000	0	0
Lachute	87.01.30	Hotel	Not reported	690000	0	0
Amos	87.02.10	Vehicle storage	Not reported	525 000	0	0
Drummondville	87.02.12	Apartment building	Not reported	500 000	0	0
Saint-Zacharie	87.02.15	Pulp and paper industry	Not reported	750000	0	0
Outremont	87.03.04	Apartment building	Not reported	575 000	0	0
Laval	87.03.09	Apartment building	Not reported	600 000	0	0
Pointe-Claire	87.03.09	Miscellaneous industrial property	Not reported	1006410	0	0
Boucherville	87.03.13	Storage property unclassified	Not reported	3 050 000	0	0
Murdochville	87.04.01	Mine	Not reported	1000000	0	1
Westmount	87.04.07	Dwelling	Not reported	500 000	1	0
Saint-Jean-sur-Richelieu	87.04.15	Clothing store	Not reported	702520	0	0
Grand-Remous	87.05.09	Pulp and paper industry	Not reported	1 149 482	0	0
Quebec	87.05.09	Restaurant	Not reported	922726	0	0
Saint-Marc-des-Carrières	87.05.09	Church	Not reported	2 118 000	0	0
Saint-Laurent	87.05.10	Flammable liquid storage	Not reported	877000	0	0
La Baie	87.05.15	Apartment building	Not reported	500 000	0	0
Cowansville	87.05.21	Chemical, petroleum manufacturing	Not reported	2 708 100	0	0
Montreal	87.05.25	Church	Not reported	2 000 000	3	2
Montreal	87.06.10	Office	Not reported	1 183 682	0	0
Cap-de-la-Madeleine	87.06.15	Metal products industry	Not reported	2 000 000	0	0
Montreal	87.06.25	Vacant building	Not reported	576 196	1	0
Bromont	87.06.28	Food store	Not reported	730000	0	0

Table 8(i) Quebec (cont'd)

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Hull	87.06.28	Hobby store	Not reported	1 305 000	0	0
Longueuil	87.07.02	Apartment building	Not reported	890930	0	0
Quebec	87.07.14	Recreation centre	Not reported	550 000	0	0
Quebec	87.07.16	Variety store	Not reported	1 265 385	5	0
Lasalle	87.07.19	Furniture store	Not reported	1 205 000	0	0
Luceville	87.08.02	School, college, university	Not reported	1069800	0	0
Anjou	87.08.03	Chemical, petroleum manufacturing	Not reported	625000	0	0
Metabetchouan	87.08.08	Pulp and paper industry	Not reported	900000	0	0
Mirabel	87.08.26	Storage shed	Not reported	950000	0	0
Laval	87.08.29	Variety store	Not reported	1 500 000	0	0
Sainte-Blandine	87.09.04	School, college, university	Not reported	2 014 783	0	0
Rock Forest	87.09.08	Apartment building	Not reported	895320	5	0
Alma	87.09.13	Pier, wharf	Not reported	655000	0	0
Rigaud	87.09.19	Farm building	Not reported	550 347	0	0
Saint-Antoine-sur-Richelieu	87.10.05	School, college, university	Not reported	840900	0	0
Port-Daniel	87.10.06	Pulp and paper industry	Not reported	1 200 000	0	0
Saint-Léonard	87.10.15	Processed food storage	Not reported	1 447 397	0	0
Carignan	87.10.21	Public utilities	Not reported	900000	0	1
Brossard	87.11.15	Apartment building	Not reported	580 000	0	0
Saint-Théophile	87.11.19	Pulp and paper industry	Not reported	1000000	0	0
Sainte-Foy	87.11.25	Office	Not reported	1000000	0	0
Saint-Constant	87.11.26	Chemical, petroleum manufacturing	Not reported	830000	0	0
Saint-Roch	87.11.26	Miscellaneous industrial property	Not reported	765000	0	0
Brompton	87.11.27	Repair shop	Not reported	502 045	0	0
Lachine	87.11.28	Storage, textiles, clothing	Not reported	566 385	0	0
Saint-Léonard	87.11.28	Church	Not reported	1 350 000	0	0
Saint-Malo	87.12.08	Farm building	Not reported	617000	0	0

Table 8(i) Quebec (cont'd)

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Saint-Nicholas	87.12.18	Food processing	Not reported	1000000	0	0
Gatineau	87.12.23	Sports club	Not reported	502 187	0	0
Saint-Jérôme	87.12.29	Furniture store	Not reported	3 295 000	0	0

Table 8(j) Saskatchewan

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Corman Park	87.02.13	Instrument manufacturing	Unknown	1 022 950	0	0
Regina	87.03.08	Church	Mischief	750 298	0	0
Regina	87.03.12	Restaurant	Incendiarism	538 000	1	0
Moose Jaw	87.08.08	Hotel	Smokers' material	582 000	2	3
Dysart	87.12.18	Arena	Mechanical failure	560 000	0	0

Table 8(k) Northwest Territories

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Inuvik	87.05.14	Variety store	Unknown	700 000	0	0
Norman Wells	87.09.01	Petroleum manufacturing	Unknown	700 000	0	0

Table 8(l) Yukon

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
-	-	-	-	-	0	0

Table 8(m) National Defence

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Bagotville	87.05.15	Military barracks	Electrical short circuit	510 747	2	0
Lahr	87.07.06	Military stores	Arson	2 949 070	1	0

Table 8(n) Federal Jurisdiction

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
-	-	-	-	0	0	0

APPENDIX
PROVINCIAL AND FEDERAL FIRE MARSHALS AND FIRE COMMISSIONERS

Mr. R. Dumala
A/Provincial Fire Commissioner
Ministry of Municipal Affairs
2780 East Broadway
VANCOUVER, British Columbia
V5M 1Y8

Mr. J. Bateman
Provincial Fire Marshal
Ministry of the Solicitor General
7 Overlea Blvd., 3rd Floor
TORONTO, Ontario
M4H 1A8

Mr. Francis Ryan
Provincial Fire Commissioner
Department of Justice
Pleasantville Fire Station
ST. JOHN'S, Newfoundland
A1C 5T7

Mr. T.S. Makin
Provincial Fire Marshal
Department of Labour
P.O. Box 697
5151 Terminal Road
HALIFAX, Nova Scotia
B3J 2T8

Mr. A.S. Bartlett
Provincial Fire Commissioner
Environment Public Safety
1870 Albert Street
5th Floor
REGINA, Saskatchewan
S4P 3V7

Mr. Medley Carr
Fire Marshal
Department of Municipal Affairs and
Environment
P.O. Box 6000

Mr. L.R. Hipperson
Fire Marshal, Yukon Territory
Government of the Yukon
P.O. Box 2703
WHITEHORSE, Yukon Territory

Mr. C.R. Kennedy
Provincial Fire Marshal
Department of Municipal Affairs
P.O. Box 2000
CHARLOTTETOWN, Prince Edward Island
C1A 7N8

Mr. W.D. Makey
Provincial Fire Commissioner
Alberta Labour,
Room 701, IBM Building
10808 - 99th Avenue,
EDMONTON, Alberta
T5K 0G2

LT. COL. H.H. Singleton
Canadian Forces Fire Marshal
Department of National Defence
101 Colonel By Drive
OTTAWA, Ontario
K1A 0K2

Mr. L. McPhee
Fire Marshal, Northwest Territories
Fire Prevention Service
Government of the Northwest Territories
YELLOWKNIFE, Northwest Territories
X1A 2L9

Mr. J. Reimer
Fire Commissioner
Manitoba Labour
610 - 401 York Avenue
WINNIPEG, Manitoba
R3C 0V8

Monsieur Gaëtan Levasseur
Directeur général de la
prévention des incendies
Ministère des Affaires municipales
20, avenue Cook-Chauveau
Édifice Cook-Chauveau
QUEBEC, Quebec
G1R 4J3

Mr. T.J. Dunfield
Fire Commissioner of Canada
Fire Prevention Branch
Labour Canada
OTTAWA, Ontario
K1A 0J2