

# CANADIAN FOREST FIRE STATISTICS

PART I - 1978  
PART II - 1979

G. S. Ramsey and D. G. Higgins

Petawawa National Forestry Institute  
Canadian Forestry Service  
Chalk River, Ontario, Canada

Information  
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# CANADIAN FOREST FIRE STATISTICS

PART I - 1978

p. 1

PART II - 1979

p. 37

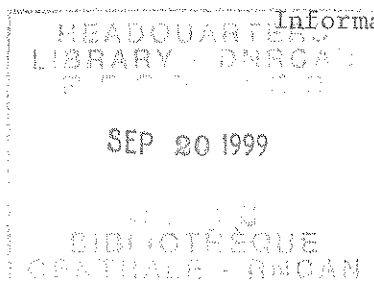
G.S. RAMSEY AND D.G. HIGGINS

Petawawa National Forestry Institute  
Chalk River, Ontario, Canada

Canadian Forestry Service  
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1981



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forêt au Canada*

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## FOREWORD

The tables presented here contain forest fire statistics for the calendar years 1978 and 1979 as reported by all Canadian forest fire control agencies.

This publication reestablishes an annual series formerly entitled "Forest Fire Losses in Canada", begun in the 1950's and discontinued after 1969, except for a comparable report for 1977<sup>1/</sup>. In addition, an account of fire statistics for 1961-1966 also appeared<sup>2/</sup>, but was compiled in a style only partly comparable with the earlier series. This report completes the statistical record since 1977, and a further report will deal with all the intervening years since 1969. The series will then continue on an annual basis.

The statistical data are presented separately for each province or other major jurisdiction, and for Canada as a whole. Beside each figure for the year in question appears, where possible, a comparable average value for the previous ten years. This report does not include data on prescribed fire. It deals with wild fire only in two major categories :

1. Forest Fire Occurrence - Included here are numbers of fires and area burned by nine cause classes. Up to 1978, causes reported were :

- |                     |                        |
|---------------------|------------------------|
| 1. Recreation       | 6. Incendiary          |
| 2. Settlement       | 7. Miscellaneous known |
| 3. Woods operations | 8. Lightning           |
| 4. Railways         | 9. Unknown             |
| 5. Other industries |                        |

---

<sup>1/</sup> Brady, R.P. 1979. Canadian Forest Fire Statistics 1977. Can. Forest. Serv. Ottawa.

<sup>2/</sup> Simard, A.J. et al. 1979. Canadian Forest Fire Statistics: 1961-1966 Can. Forest. Serv. Forest Fire Res. Inst. Inform. Rep. FF-X-70.

In 1979, the Canadian Committee on Forest Fire Control renamed several of these and redefined them to reflect modern needs. Listed in corresponding order, the nine causes are now:

1. Recreation - applies to fires caused by people engaged in any recreational activity, or by their equipment.
2. Resident - applies to fire resulting from activity associated with people living in a forested or partly forested area, including agriculture.
3. Forest Industry - applies to fires caused by men or machines involved in the production of forest products.
4. Railroads - applies to fires caused by any machine, employee, contractor, or passenger associated with railroad operations.
5. Other Industry - applies to fires caused by industrial activity other than forest industry or railroads.
6. Incendiary - applies to fires started willfully for the purpose of mischief, grudge, or gain.
7. Miscellaneous - applies to any fire whose cause is known but does not fit any of those listed.
8. Lightning - no definition needed.
9. Unknown - applies to fires of undeterminable cause.

Also provided are tables of fire numbers and area burned month by month throughout the fire season, and tables of distribution of fires by size class.

## 2. Forest Fire Control Costs and Losses

These are presented in three classes:

1. Budgeted or overhead costs.
2. Direct fire-fighting costs.
3. Losses, as monetary equivalent of values destroyed.

Because of differences in administrative and accounting procedures, direct comparisons between provinces and other jurisdictions are difficult and potentially misleading. Also, no inflation factor has been applied in the

calculation of ten year averages. The function of these data is to show the order of magnitude of forest fire control expenditures and monetary losses in Canada, as well as to provide a record of the annual trend. The values are the best available but their limitations should be recognized.

It should also be pointed out that, because of the delay inherent in collecting data from many sources, these statistics can in no way be considered to be current. They are presented here mainly for historic and comparative purposes. If more current figures are desired, particularly during the fire season, they may be obtained from the various agencies dealing with forest fire throughout Canada.

This report and the annual series of which it is a part are possible only through the willing cooperation of these public agencies.

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Chalk River, Ontario  
K0J 1J0

The following symbols are used in the tables:

- nil or zero
- too small to be expressed
- .. not available



CANADIAN FOREST FIRE  
STATISTICS

PART I  
1978





FOREST FIRE STATISTICS FOR CANADA<sup>1</sup>

Table 1.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	1 656	20	9 485	3	1 759	20	55 060	5
Settlement	778	10	7 584	3	932	11	58 873	5
Woods Operations	326	4	6 889	2	386	4	19 914	1
Railways	400	5	1 255	1	532	6	7 082	1
Other Industries	443	6	11 404	4	322	4	41 666	3
Incendiary	491	6	3 716	1	441	5	12 919	1
Misc. Known	1 380	17	9 332	3	1 279	15	21 501	2
TOTAL KNOWN MAN-CAUSED	5 474	68	49 665	17	5 651	65	217 015	18
Lightning	2 158	27	238 080	82	2 563	30	897 895	77
Unknown	417	5	1 668	1	470	5	54 176	5
TOTALS	8 049	100	289 413	100	8 684	100	1 169 086	100

Table 1.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	4 555	57	1 012	-	4 172	48	174	-
0.1 - 4.0	2 760	34	2 314	1	3 356	39	3 757	-
4.1 - 40.0	508	6	6 842	2	709	8	11 305	1
40.1 - 200	141	2	13 522	5	215	2	24 702	2
over 200	85	1	265 723	92	232	3	1 129 150	97
TOTALS	8 049	100	289 413	100	8 684	100	1 169 086	100

<sup>1</sup> Includes seven year annual average for Prince Edward Island (1971-1977)

Table 1.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	5	-	59	-	13	-	30	-
February	1	-	1	-	6	-	7	-
March	66	1	227	-	43	-	541	-
April	461	6	5 330	2	651	7	20 895	2
May	1 555	19	24 793	9	2 012	23	166 202	14
June	1 438	18	169 025	58	1 493	17	438 563	38
July	1 639	20	70 390	24	1 906	22	370 915	32
August	2 173	27	11 729	4	1 781	21	151 172	13
September	398	5	4 830	2	507	6	14 517	1
October	215	3	1 843	1	222	3	4 420	-
November	97	1	1 186	-	44	1	1 714	-
December	1	-	--	-	6	-	10	-
TOTALS	8 049	100	289 413	100	8 684	100	1 168 986	100

Table 1.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	41 725	\$ 45 192 390	195 659	\$ 20 765 115
Regeneration and Immature Cutover & Other Areas	21 474	2 080 876	341 272	8 619 743
Real and Personal Property	226 214	328 716	632 155	1 396 636
		2 747 881		2 213 214
TOTALS	289 413	50 349 863	1 169 086	\$ 32 994 708

Table 1.5

Fire Control Expenditure <sup>1</sup>

Table 1.6 Fatalities

Jurisdiction	Budgeted Costs	Fire Fighting Costs	Total	
			1978	1968-77
British Columbia	\$ 7 914 000	\$17 744 000	-	6
Alberta	10 515 000	2 788 000	-	-
Saskatchewan	697 000	2 300 000	-	-
Manitoba	2 285 000	2 060 000	2	-
Ontario	13 026 000	1 529 000	-	-
Quebec	15 456 000	1 992 000	-	1
New Brunswick	290 000	1 447 000	-	-
Prince Edward Island	..	..	-	-
Nova Scotia	3 942 000	180 000	-	-
Newfoundland	3 757 000	..	-	-
Yukon Territory	2 100 000	110 000	-	-
Northwest Territories	2 713 000	359 000	-	6
National Parks	1 549 000	1 095 000	-	1
Other Federal Lands	141 000	14 000	-	-
TOTAL	\$64,385 000	\$31 617 000	2	14

<sup>1</sup> Figures rounded to nearest 1000 dollars, interagency comparisons should not be made; data from previous years not sufficiently complete for annual averages.

FOREST FIRE STATISTICS FOR THE PROVINCES<sup>1</sup>

Table 2.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	1 572	20	8 999	4	1 690	20	47 425	7
Settlement	748	10	7 575	3	920	11	58 822	9
Woods Operations	322	4	6 888	3	383	5	19 869	3
Railways	399	5	1 231	1	532	6	5 061	1
Other Industries	425	5	11 394	6	305	4	17 708	2
Incendiary	487	6	3 620	2	436	5	12 913	2
Misc. Known	1 367	18	5 619	3	1 255	15	21 394	3
TOTAL KNOWN MAN-CAUSED	5 320	68	45 326	22	5 521	66	183 192	27
Lightning	2 062	27	156 023	77	2 366	29	480 024	71
Unknown	409	5	1 642	1	439	5	13 258	2
TOTALS	7 791	100	202 991	100	8 326	100	676 474	100

Table 2.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	4 482	57	1 010	1	4 071	49	171	-
0.1 - 4.0	2 627	34	2 197	1	3 231	39	3 604	1
4.1 - 40.0	484	6	6 386	3	663	8	10 469	1
40.1 - 200	129	2	12 175	6	189	2	21 874	3
over 200	69	1	181 223	89	172	2	640 356	95
TOTALS	7 791	100	202 991	100	8 326	100	676 474	100

<sup>1</sup>Includes all areas in Canada except the Yukon and Northwest Territories. Includes seven year annual average for Prince Edward Island (1971-1977).

Table 2.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	5	-	59	-	12	-	22	-
February	1	-	1	-	6	-	7	-
March	66	1	227	-	43	-	541	-
April	457	6	5 249	3	645	8	20 891	3
May	1 522	20	24 695	12	1 979	24	155 763	23
June	1 330	17	101 694	50	1 386	17	256 186	38
July	1 587	20	55 678	27	1 771	21	156 488	23
August	2 128	27	7 761	4	1 722	21	71 471	11
September	383	5	4 598	2	493	6	8 963	1
October	214	3	1 843	1	218	3	4 418	1
November	97	1	1 186	1	44	-	1 714	-
December	1	-	--	-	6	-	10	-
TOTALS	7 791	100	202 991	100	8 326	100	676 474	

Table 2.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	41 189	\$ 45 154 952	142 534	\$ 19 857 116
Regeneration and Immature	19 781	2 027 196	162 743	5 839 012
Cutover & Other Areas	142 021	222 628	371 197	533 714
Real and Personal Property		2 743 381		2 084 597
TOTALS	202 991	\$ 50 148 157	676 474	\$ 28 314 439

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	84	33	486	1	69	19	7 635	2
Settlement	30	12	9	-	12	3	51	-
Woods Operations	4	2	1	-	3	1	45	-
Railways	1	-	24	-	--	-	2 021	-
Other Industries	18	7	10	-	17	5	23 958	5
Incendiary	4	1	96	-	5	1	6	-
Misc. Known	13	5	3 713	4	24	7	107	-
TOTAL KNOWN MAN-CAUSED	154	60	4 339	5	130	36	33 823	7
Lightning	96	37	82 057	95	197	55	417 871	85
Unknown	8	3	26	-	31	9	40 918	8
TOTALS	258	100	86 422	100	358	100	492 612	100

Table 3.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	73	28	2	-	101	28	3	-
0.1 - 4.0	133	52	117	-	125	35	151	-
4.1 - 40.0	24	9	456	1	46	13	836	-
40.1 - 200	12	5	1 347	2	26	7	2 828	1
over 200	16	6	84 500	97	60	17	488 794	99
TOTALS	258	100	86 422	100	358	100	492 612	100

Table 3.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	--	-	8	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	4	2	81	-	6	2	4	-
May	33	13	98	-	33	9	10 439	2
June	108	42	67 331	78	107	30	182 377	37
July	52	20	14 712	17	135	38	214 427	44
August	45	17	3 968	5	59	16	79 801	16
September	15	6	232	-	14	4	5 554	1
October	1	-	--	-	4	1	2	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
TOTALS	258	100	86 422	100	358	100	492 612	100

Table 3.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	536	\$ 37 438	53 125	\$ 907 998
Regeneration and Immature	1 693	53 680	178 529	2 780 730
Cutover & Other Areas	84 193	106 088	260 958	862 922
Real and Personal Property		4 500		128 618
TOTALS	86 422	\$ 201 706	492 612	\$ 4 680 268



FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	369	16	4 576	9	428	18	3 567	4
Settlement	94	4	788	1	182	8	9 351	11
Woods Operations	121	5	2 038	4	185	8	8 795	11
Railways	71	3	393	1	152	6	557	1
Other Industries	62	3	69	-	60	2	543	1
Incendiary	138	6	318	1	80	3	895	1
Misc. Known	307	14	2 011	4	391	17	5 317	7
TOTAL KNOWN MAN-CAUSED	1 162	51	10 193	20	1 478	62	29 025	36
Lightning	1 141	49	39 880	80	873	37	50 911	64
Unknown	5	-	10	-	14	1	117	-
TOTALS	2 308	100	50 083	100	2 365	100	80 053	100

Table 4.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	1 623	70	161	-	1 420	61	66	-
0.1 - 4.0	527	23	457	1	720	30	863	1
4.1 - 40.0	107	5	1 511	3	148	6	2 209	3
40.1 - 200	32	1	3 016	6	46	2	4 968	6
over 200	19	1	44 938	90	31	1	71 947	90
TOTALS	2 308	100	50 083	100	2 365	100	80 053	100

Table 4.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	1	-	59	-	-	-	-	-
February	1	-	1	-	-	-	-	-
March	8	-	151	-	14	1	85	-
April	48	2	138	-	88	4	2 514	3
May	204	9	1 597	3	315	13	10 835	14
June	371	16	11 903	24	361	15	22 464	28
July	655	29	32 062	64	660	28	24 966	31
August	932	41	3 107	7	673	28	13 182	17
September	29	1	9	-	183	8	4 862	6
October	55	2	601	1	66	3	1 143	1
November	4	-	455	1	3	-	2	-
December	-	-	-	-	2	-	-	-
TOTALS	2 308	100	50 083	100	2 365	100	80 053	100

Table 4.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	26 448	\$ 10 042 551	14 363	\$ 1 917 809
Regeneration and Immature	9 280	1 214 517	17 534	2 185 697
Cutover & Other Areas	14 355	179 135	48 156	144 181
Real and Personal Property		935 334		483 635
TOTALS	50 083	\$ 12 371 537	80 053	\$ 4 731 322

FOREST FIRE STATISTICS FOR ALBERTA

Table 5.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	126	19	51	1	117	18	7 943	12
Settlement	48	7	636	8	92	14	30 813	46
Woods Operations	5	1	30	-	27	4	687	1
Railways	24	4	85	1	14	2	34	-
Other Industries	50	8	144	2	44	7	2 271	4
Incendiary	52	8	771	10	60	9	3 937	6
Misc. Known	58	9	128	2	47	7	132	-
TOTAL KNOWN MAN-CAUSED	363	56	1 845	24	401	61	45 817	69
Lightning	277	42	5 889	75	236	35	20 570	31
Unknown	13	2	57	1	30	4	360	-
TOTALS	653	100	7 791	100	667	100	66 747	100

Table 5.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	346	53	--	-	346	52	3	-
0.1 - 4.0	219	34	287	4	215	32	264	-
4.1 - 40.0	61	9	830	10	66	10	1 028	2
40.1 - 200	20	3	1 792	23	23	3	2 045	3
over 200	7	1	4 882	63	17	3	63 407	95
TOTALS	653	100	7 791	100	667	100	66 747	100

Table 5.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	3	-	--	-	6	1	1	-
February	-	-	-	-	5	1	5	-
March	5	-	--	-	10	1	8	-
April	39	6	285	4	56	8	1 082	2
May	130	20	1 242	16	198	30	49 405	74
June	197	30	3 553	46	126	19	8 277	12
July	128	20	2 433	31	107	16	2 453	4
August	104	16	112	1	78	12	4 683	7
September	4	1	--	-	32	5	708	1
October	30	5	116	1	30	5	82	-
November	12	2	50	1	16	2	40	-
December	1	-	--	-	3	-	3	-
TOTALS	653	100	7 791	100	667	100	66 747	100

Table 5.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	2 167	\$ ..	23 896	\$ ..
Regeneration and Immature	598	..	6 520	..
Cutover & Other Areas	5 026	..	36 331	..
Real and Personal Property		---		..
TOTALS	7 791	\$ 1 113 307	66 747	\$ 3 134 012

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	88	25	123	-	71	19	13 989	9
Settlement	37	11	53	-	52	14	1 338	1
Woods Operations	3	1	3	-	5	1	306	-
Railways	1	-	--	-	4	1	37	-
Other Industries	3	1	10 130	11	14	4	4 840	3
Incendiary	20	6	567	1	34	9	840	-
Misc. Known	22	6	30	-	17	4	7 580	5
TOTAL KNOWN MAN-CAUSED	174	50	10 906	12	197	52	28 930	18
Lightning	130	37	81 478	88	153	40	124 338	81
Unknown	44	13	281	-	32	8	708	1
TOTALS	348	100	92 665	100	382	100	153 976	100

Table 6.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	186	54	--	-	171	45	--	-
0.1 - 4.0	115	33	144	-	125	33	169	-
4.1 - 40.0	31	9	364	-	40	10	656	-
40.1 - 200	5	1	531	1	17	4	2 240	2
over 200	11	3	91 626	99	29	8	150 911	98
TOTALS	348	100	92 665	100	382	100	153 976	100

Table 6.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
January	-	-	-	-	1	-	--	-
February	-	-	-	-	-	-	-	-
March	1	-	--	-	-	-	-	-
April	6	2	6	-	21	6	355	-
May	84	24	719	1	109	29	30 858	20
June	92	26	79 032	85	87	23	86 564	56
July	113	33	12 888	14	69	18	22 049	14
August	41	12	15	-	66	17	14 013	10
September	4	1	4	-	15	4	35	-
October	6	2	1	-	9	2	89	-
November	1	-	--	-	5	1	12	-
December	-	-	-	-	--	-	1	-
TOTALS	348	100	92 665	100	382	100	153 976	100

Table 6.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	104	\$ ..	10 711	\$ 442 500
Regeneration and Immature	105	..	56 211	442 020
Cutover & Other Areas	92 456	..	87 054	..
Real and Personal Property		-		12 730
TOTALS	92 665	\$ ..	153 976	\$ 877 250

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	55	14	164	1	68	13	1 092	2
Settlement	132	35	3 414	14	181	34	15 118	22
Woods Operations	2	1	98	-	5	1	65	-
Railways	31	8	193	1	17	3	541	1
Other Industries	2	1	1	-	17	3	569	1
Incendiary	39	10	797	3	42	8	4 897	7
Misc. Known	24	6	1 968	8	16	3	3 086	5
TOTAL KNOWN MAN-CAUSED	285	75	6 635	27	346	65	25 368	38
Lightning	83	22	17 921	73	170	32	38 065	56
Unknown	11	3	54	-	19	3	4 170	6
TOTALS	379	100	24 610	100	535	100	67 603	100

Table 7.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	114	30	6	-	191	36	12	-
0.1 - 4.0	194	51	173	1	202	37	365	1
4.1 - 40.0	38	10	586	2	81	15	2 161	3
40.1 - 200	20	5	2 223	9	31	6	5 615	8
over 200	13	4	21 622	88	30	6	59 450	88
TOTALS	379	100	24 610	100	535	100	67 603	100

Table 7.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	6	1	21	-
February	-	-	-	-	1	-	--	-
March	-	-	-	-	3	1	367	1
April	10	3	296	1	55	10	15 596	23
May	138	36	16 326	66	132	25	8 314	12
June	67	18	1 179	5	90	17	12 990	19
July	84	22	6 117	25	95	18	19 904	29
August	40	11	28	-	90	17	4 041	6
September	29	8	27	-	34	6	2 404	4
October	6	1	170	1	21	4	2 399	4
November	5	1	467	2	7	1	1 567	2
December	-	-	-	-	1	-	--	-
TOTALS	379	100	24 610	100	535	100	67 603	100

Table 7.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	10 720	\$ 33 935 000	21 513	\$ 4 920 121
Regeneration and Immature	2 391	236 360	10 088	450 358
Cutover & Other Areas	11 499	-	36 002	4 988
Real and Personal Property		-		1 166
TOTALS	24 610	\$ 34 171 360	67 603	\$ 5 376 633



FOREST FIRE STATISTICS FOR ONTARIO

Table 8.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	359	38	857	12	510	27	6 069	4
Settlement	91	10	1 462	19	214	11	971	-
Woods Operations	19	2	277	4	18	1	2 848	2
Railways	147	16	406	5	188	10	2 518	2
Other Industries	21	2	25	-	34	2	206	-
Incendiary	35	4	318	4	31	2	449	-
Misc. Known	87	9	520	7	242	13	1 136	1
TOTAL KNOWN MAN-CAUSED	759	81	3 865	51	1 237	66	14 197	9
Lightning	165	17	3 619	48	593	32	145 781	91
Unknown	16	2	40	1	36	2	812	-
TOTALS	940	100	7 524	100	1 866	100	160 790	100

Table 8.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	470	50	26	-	862	46	51	-
0.1 - 4.0	390	41	357	5	832	45	786	-
4.1 - 40.0	57	6	836	11	118	6	1 575	1
40.1 - 200	18	2	1 539	21	26	1	2 507	2
over 200	5	1	4 766	63	28	2	155 871	97
TOTALS	940	100	7 524	100	1 866	100	160 790	100

Table 8.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	49	5	74	1	5	-	16	-
April	261	28	4 029	53	183	10	668	-
May	101	11	1 569	21	455	24	42 429	26
June	274	29	659	9	260	14	69 129	44
July	126	14	276	4	392	21	39 646	25
August	21	2	2	-	423	23	8 257	5
September	41	4	15	-	106	6	94	-
October	67	7	900	12	36	2	496	-
November	-	-	-	-	6	-	55	-
December	-	-	-	-	--	-	--	-
TOTALS	940	100	7 524	100	1 866	100	160 790	100

Table 8.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	96	\$ 15 121	33 583	\$ 4 088 842
Regeneration and Immature	363	24 610	46 807	1 072 060
Cutover & Other Areas	7 065	..	80 400	..
Real and Personal Property		125 536		171 243
TOTALS	7 524	\$ 165 267	160 790	\$ 5 332 145

FOREST FIRE STATISTICS FOR QUEBEC

Table 9.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	400	33	2 749	42	387	35	12 504	19
Settlement	158	13	510	8	106	10	692	1
Woods Operations	90	8	191	3	83	8	5 729	9
Railways	43	4	86	1	47	4	969	2
Other Industries	256	21	576	9	91	8	9 153	14
Incendiary	50	4	615	10	43	4	739	1
Misc. Known	17	2	200	3	93	8	1 215	2
TOTAL KNOWN MAN-CAUSED	1 014	85	4 927	76	850	77	31 001	48
Lightning	184	15	1 576	24	237	22	29 433	46
Unknown	-	-	-	-	12	1	3 899	6
TOTALS	1 198	100	6 503	100	1 099	100	64 333	100

Table 9.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	687	57	18	-	475	43	5	-
0.1 - 4.0	398	33	377	6	467	43	469	1
4.1 - 40.0	89	7	1 049	16	110	10	1 541	2
40.1 - 200	17	2	1 561	24	27	2	2 535	4
over 200	7	1	3 498	54	20	2	59 783	93
TOTALS	1 198	100	6 503	100	1 099	100	64 333	100

Table 9.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	10	1	14	-	36	3	184	-
May	319	27	1 914	30	357	33	11 542	18
June	116	10	360	6	218	20	42 888	67
July	275	23	1 504	23	208	19	9 040	14
August	343	29	1 966	30	199	18	357	1
September	76	6	601	9	52	5	134	-
October	18	1	23	-	25	2	149	-
November	41	3	121	2	4	-	33	-
December	-	-	-	-	--	-	6	-
TOTALS	1 198	100	6 503	100	1 099	100	64 333	100

Table 9.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	830	\$ 58 263	31 867	\$ 2 928 474
Regeneration and Immature	2 516	46 760	13 906	309 467
Cutover & Other Areas	3 157	36 010	18 560	117 463
Real and Personal Property		457 976		883 514
TOTALS	6 503	\$ 599 009	64 333	\$ 4 238 918

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	72	9	290	11	25	5	116	5
Settlement	53	6	118	5	35	8	100	5
Woods Operations	44	5	1 182	45	19	4	265	12
Railways	42	5	36	1	25	5	123	6
Other Industries	19	2	228	9	12	3	53	2
Incendiary	42	5	32	1	32	7	501	24
Misc. Known	416	50	298	11	236	52	416	20
TOTAL KNOWN MAN-CAUSED	688	82	2 184	83	384	84	1 574	74
Lightning	36	4	48	2	32	7	240	11
Unknown	115	14	405	15	40	9	313	15
TOTALS	839	100	2 637	100	456	100	2 127	100

Table 10.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	448	53	21	1	211	46	5	-
0.1 - 4.0	336	40	272	10	209	46	189	9
4.1 - 40.0	46	6	628	24	31	7	376	18
40.1 - 200	6	1	664	25	5	1	449	21
over 200	3	-	1 052	40	--	-	1 108	52
TOTALS	839	100	2 637	100	456	100	2 127	100

Table 10.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	--	-	2	-
April	12	1	6	-	31	7	90	-
May	215	26	790	30	144	32	890	4
June	73	9	41	1	91	20	816	42
July	81	10	24	1	79	17	138	38
August	348	41	968	37	71	16	146	7
September	85	10	764	29	28	6	29	7
October	16	2	25	1	11	2	14	1
November	9	1	19	1	1	-	2	1
December	-	-	-	-	--	-	--	-
TOTALS	839	100	2 637	100	456	100	2 127	100

Table 10.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	512	\$ 395 085	777	\$ 191 673
Regeneration and Immature	337	56 934	515	32 687
Cutover & Other Areas	1 788	-	835	23 633
Real and Personal Property		1 224 535		703 846
TOTALS	2 637	\$ 1 676 554	2 127	\$ 951 839

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1971-77 <sup>1</sup>			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	-	-	-	-	8	20	47	22
Settlement	-	-	-	-	2	5	3	2
Woods Operations	-	-	-	-	5	11	7	3
Railways	-	-	-	-	1	2	2	1
Other Industries	3	100	202	100	--	-	1	-
Incendiary	-	-	-	-	11	25	85	40
Misc. Known	-	-	-	-	1	2	2	1
TOTAL KNOWN MAN-CAUSED	3	100	202	100	28	65	147	69
Lightning	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	15	35	67	31
TOTALS	3	100	202	100	43	100	214	100

<sup>1</sup>Prince Edward Island began reporting in 1971.

Table 11.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	-	-	-	-	1	2	17	8
0.1 - 4.0	-	-	-	-	33	77	52	24
4.1 - 40.0	-	-	-	-	8	19	48	23
40.1 - 200	3	100	202	100	1	2	52	24
over 200	-	-	-	-	--	-	45	21
TOTALS	3	100	202	100	43	100	214	100

Table 11.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	1	2	2	1
April	-	-	-	-	8	18	37	17
May	-	-	-	-	18	43	120	56
June	-	-	-	-	6	15	12	6
July	3	100	202	100	4	8	6	3
August	-	-	-	-	3	7	6	3
September	-	-	-	-	2	5	28	13
October	-	-	-	-	1	2	2	1
November	-	-	-	-	-	-	1	-
December	-	-	-	-	-	-	-	-
TOTALS	3	100	202	100	43	100	214	100

Table 11.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	..	\$ ..	3	\$ 1 118
Regeneration and Immature	..	..	35	1 051
Cutover & Other Areas	..	..	176	-
Real and Personal Property		..		-
TOTALS	202	\$ ..	214	\$ 2 169



FOREST FIRE STATISTICS FOR NOVA SCOTIA

Table 12.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	51	7	111	15	31	5	235	7
Settlement	97	12	89	12	32	5	45	1
Woods Operations	27	3	15	2	25	4	104	3
Railways	36	5	19	3	49	8	105	3
Other Industries	4	1	7	1	30	5	58	2
Incendiary	105	13	201	27	94	16	514	16
Misc. Known	329	41	143	19	165	28	415	12
TOTAL KNOWN MAN-CAUSED	649	82	585	79	426	71	1 476	44
Lightning	8	1	4	1	3	-	3	-
Unknown	136	17	150	20	172	29	1 896	56
TOTALS	793	100	739	100	601	100	3 375	100

Table 12.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	409	52	17	2	252	42	2	-
0.1 - 4.0	354	45	268	36	308	51	273	8
4.1 - 40.0	27	3	299	41	35	6	403	12
40.1 - 200	3	-	155	21	4	1	298	9
over 200	-	-	-	-	2	-	2 399	71
TOTALS	793	100	739	100	601	100	3 375	100

Table 12.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	2	-	1	-	9	2	60	9
April	65	8	59	8	154	26	293	22
May	282	36	422	57	181	30	735	58
June	56	7	22	3	74	12	1 966	6
July	67	8	12	2	68	11	204	2
August	196	25	54	7	70	12	68	-
September	88	11	89	12	29	5	9	-
October	12	2	6	1	15	2	38	-
November	25	3	74	10	1	-	2	-
December	-	-	-	-	-	-	-	-
TOTALS	793	100	739	100	601	100	3 375	100

Table 12.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	209	\$ 28 358	1 441	\$ 174 846
Regeneration and Immature	28	1 755	347	9 163
Cutover & Other Areas	502	7 223	1 587	22 087
Real and Personal Property		-		-
TOTALS	739	\$ 37 336	3 375	\$ 206 096

FOREST FIRE STATISTICS FOR NEWFOUNDLAND & LABRADOR

Table 13.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	36	17	72	2	24	12	1 854	4
Settlement	35	17	100	2	23	11	350	1
Woods Operations	11	5	3 054	65	9	4	1 059	2
Railways	4	2	13	-	27	13	170	-
Other Industries	-	-	-	-	2	1	13	-
Incendiary	-	-	-	-	4	2	13	-
Misc. Known	45	22	25	1	27	13	1 963	4
TOTAL KNOWN MAN-CAUSED	131	63	3 264	70	116	56	5 422	11
Lightning	13	6	778	17	28	14	44 274	87
Unknown	65	31	639	13	61	30	896	2
TOTALS	209	100	4 681	100	205	100	50 592	100

Table 13.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	157	75	770	16	88	43	8	-
0.1 - 4.0	28	13	44	1	82	40	132	-
4.1 - 40.0	20	10	194	4	18	9	333	1
40.1 - 200	2	1	123	3	6	3	811	2
over 200	2	1	3 550	76	11	5	49 308	97
TOTALS	209	100	4 681	100	205	100	50 592	100

Table 13.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	1	-	--	-	-	-	-	-
February	-	-	-	-	--	-	2	-
March	-	-	-	-	1	-	1	-
April	-	-	-	-	9	5	24	-
May	34	16	45	1	48	24	469	1
June	43	21	94	2	55	27	8 432	17
July	34	16	37	1	60	29	25 104	50
August	76	37	1 455	31	23	11	16 434	32
September	21	10	3 050	65	8	4	123	-
October	-	-	-	-	1	-	3	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
TOTALS	209	100	4 681	100	205	100	50 592	100

Table 13.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	100	\$ 12 500	4 337	\$ 33 069 765
Regeneration and Immature	15	937	1 879	1 028 745
Cutover & Other Areas	4 566	-	44 376	497 704
Real and Personal Property		-		-
TOTALS	4 681	\$ 13 437	50 592	\$ 34 596 214

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY

Table 14.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	35	34	223	3	19	16	109	-
Settlement	13	13	1	-	6	5	38	-
Woods Operations	4	4	1	-	2	2	34	-
Railways	-	-	-	-	-	-	-	-
Other Industries	6	6	1	-	6	5	910	1
Incendiary	4	4	96	1	3	3	1	-
Misc. Known	9	9	2	-	16	14	29	-
TOTAL KNOWN MAN-CAUSED	71	70	324	4	52	45	1 121	1
Lightning	28	27	7 051	96	49	42	87 055	95
Unknown	3	3	20	-	15	13	3 483	4
TOTALS	102	100	7 395	100	116	100	91 659	100

Table 14.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	39	38	1	-	54	47	2	-
0.1 - 4.0	44	43	20	-	31	27	42	-
4.1 - 40.0	10	10	220	3	11	9	229	-
40.1 - 200	6	6	717	10	7	6	892	1
over 200	3	3	6 437	87	13	11	90 494	99
TOTALS	102	100	7 395	100	116	100	91 659	100

Table 14.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	2	2	80	1	4	3	3	-
May	11	11	17	-	17	14	2 156	2
June	29	28	206	3	35	31	43 592	48
July	38	37	6 680	90	39	34	26 632	29
August	15	15	185	3	14	12	18 915	21
September	7	7	227	3	6	6	361	-
October	-	-	-	-	1	-	--	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
TOTALS	102	100	7 395	100	116	100	91 659	100

Table 14.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	419	\$ 24 005	24 316	\$ 384 826
Regeneration and Immature	1 208	5 180	17 007	235 904
Cutover & Other Areas	5 768	27 663	50 336	141 992
Real and Personal Property		-		4 708
TOTALS	7 395	\$ 56 848	91 659	\$ 767 430

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	49	31	263	-	50	21	7 526	2
Settlement	17	11	8	-	6	2	13	-
Woods Operations	-	-	-	-	1	-	11	-
Railways	1	1	24	-	--	-	2 021	-
Other Industries	12	8	9	-	11	5	23 048	6
Incendiary	-	-	-	-	2	1	5	-
Misc. Known	4	2	3 711	5	8	3	78	-
TOTAL KNOWN MAN-CAUSED	83	53	4 015	5	78	32	32 702	8
Lightning	68	44	75 006	95	148	61	330 816	83
Unknown	5	3	6	-	16	7	37 435	9
TOTALS	156	100	79 027	100	242	100	400 953	100

Table 15.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	34	22	1	-	47	19	1	-
0.1 - 4.0	89	57	97	-	94	39	109	-
4.1 - 40.0	14	9	236	-	35	15	607	-
40.1 - 200	6	4	630	1	19	8	1 936	-
over 200	13	8	78 063	99	47	19	398 300	100
TOTALS	156	100	79 027	100	242	100	400 953	100

Table 15.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	--	-	8	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	2	1	1	-	2	1	1	-
May	22	14	81	-	16	7	8 283	2
June	79	51	67 125	85	72	30	138 785	35
July	14	9	8 032	10	96	40	187 795	47
August	30	19	3 783	5	45	18	60 886	15
September	8	5	5	-	8	3	5 193	1
October	1	1	--	-	3	1	2	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
TOTALS	156	100	79 027	100	242	100	400 953	100

Table 15.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	117	\$ 13 433	28 809	\$ 523 172
Regeneration and Immature	485	48 500	161 522	2 544 826
Cutover & Other Areas	78 425	78 425	210 622	720 930
Real and Personal Property		4 500		123 910
TOTALS	79 027	\$ 144 858	400 953	\$ 3 912 838



FOREST FIRE STATISTICS FOR NATIONAL PARKS

Table 16.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	16	16	6	-	20	23	8	-
Settlement	3	3	405	8	1	1	41	-
Woods Operations	-	-	-	-	1	1	3	-
Railways	-	-	-	-	8	9	5	-
Other Industries	5	5	12	-	1	1	--	-
Incendiary	5	5	1	-	5	6	43	-
Misc. Known	44	44	46	1	4	5	3	-
TOTAL KNOWN MAN-CAUSED	73	73	470	9	40	46	103	-
Lightning	24	24	4 829	91	40	46	26 407	100
Unknown	3	3	1	-	6	8	13	-
TOTALS	100	100	5 300	100	86	100	26 523	100

Table 16.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	41	41	7	-	51	60	2	-
0.1 - 4.0	54	54	55	1	25	29	28	-
4.1 - 40.0	2	2	24	-	4	5	88	-
40.1 - 200	1	1	80	2	2	2	278	1
over 200	2	2	5 134	97	4	4	26 127	99
TOTALS	100	100	5 300	100	86	100	26 523	100

Table 16.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	1	1	1	-	-	-	-	-
April	6	6	416	9	3	4	47	-
May	14	14	21	-	14	16	103	-
June	39	39	4 850	91	15	18	2 613	10
July	12	12	2	-	25	29	12 958	49
August	20	20	8	-	23	27	10 267	39
September	4	4	1	-	3	3	534	2
October	4	4	1	-	2	2	1	-
November	-	-	-	-	1	1	--	-
December	-	-	-	-	--	-	--	-
TOTALS	100	100	5 300	100	86	100	26 523	100

Table 16.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	-	\$ -	3	\$ ..
Regeneration and Immature	4 148	..	8 887	..
Cutover & Other Areas	1 152	..	17 633	..
Real and Personal Property		-		..
TOTALS	5 300	\$ ..	26 523	\$ ..

FOREST FIRE STATISTICS FOR OTHER FEDERAL LANDS

Table 17.1 Fire Distribution by Cause

Cause Class	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	-	-	-	-	1	5	1	1
Settlement	-	-	-	-	-	-	-	-
Woods Operations	-	-	-	-	1	5	1	1
Railways	-	-	-	-	-	-	-	-
Other Industries	-	-	-	-	--	-	1	1
Incendiary	1	5	--	-	-	-	-	-
Misc. Known	18	85	250	98	16	76	129	91
TOTAL KNOWN MAN-CAUSED	19	90	250	98	18	86	132	94
Lightning	1	5	1	-	1	5	2	1
Unknown	1	5	5	2	2	9	7	5
TOTALS	21	100	256	100	21	100	141	100

Table 17.2 Fire Distribution by Size Class

Size Class (hectares)	1978				Annual Average 1968-77			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	1	5	1	-	3	14	--	-
0.1 - 4.0	12	57	14	5	13	62	14	10
4.1 - 40.0	6	29	96	38	4	19	51	36
40.1 - 200	2	9	145	57	1	5	76	54
over 200	-	-	-	-	-	-	-	-
TOTALS	21	100	256	100	21	100	141	100

Table 17.3 Fire Distribution by Month

Month	1978				Annual Average 1968-77			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	1	5	1	1
May	1	5	50	20	8	38	63	45
June	2	9	1	-	3	14	35	24
July	9	44	121	47	4	19	20	14
August	7	33	46	18	3	14	17	12
September	2	9	38	15	1	5	3	2
October	-	-	-	-	1	5	2	2
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
TOTALS	21	100	256	100	21	100	141	100

Table 17.4 Fire Losses

	1978		Annual Average 1968-77	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	3	\$ 90	40	\$ 4 187
Regeneration and Immature	-	-	14	63
Cutover & Other Areas	253	260	87	75
Real and Personal Property		-		9
TOTALS	256	\$ 350	141	\$ 4 334



CANADIAN FOREST FIRE  
STATISTICS

PART II  
1979



FOREST FIRE STATISTICS FOR CANADA<sup>1</sup>

Table 1.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
Recreation	1 702	17	9 394	-	1 775	20	41 114	4
Resident	873	9	6 388	-	919	11	29 750	3
Forest Industry	456	5	10 973	1	383	4	19 023	2
Railroads	418	4	510	-	532	6	6 994	-
Other Industry	243	2	8 419	-	331	4	37 470	3
Incendiary	518	5	5 527	-	443	5	9 781	1
Miscellaneous	1 135	11	14 676	1	1 278	15	20 366	2
TOTAL KNOWN MAN-CAUSED	5 345	53	55 887	2	5 661	65	164 498	15
Lightning	4 341	43	2 643 340	98	2 639	30	909 272	82
Unknown	377	4	1 521	-	455	5	34 730	3
TOTALS	10 063	100	2 700 748	100	8 755	100	1 108 500	100

Table 1.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
0 - 0.09	5 410	54	374	-	4 280	49	266	-
0.1 - 4.0	3 510	35	3 662	-	3 349	38	3 662	-
4.1 - 40.0	688	7	10 018	-	697	8	11 106	1
40.1 - 200	207	2	96 932	4	205	2	23 906	2
over 200	248	2	2 589 762	96	224	3	1 069 560	97
TOTALS	10 063	100	2 700 748	100	8 755	100	1 108 500	100

<sup>1</sup> Includes eight year annual average for Prince Edward Island (1971-78).



Table 1.3 Fire Distribution by Month

Month	1979 <sup>1</sup>				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	10	-	5	-	12	-	28	-
February	17	-	69	-	5	-	5	-
March	94	1	326	-	42	-	521	-
April	665	7	1 820	-	588	7	19 675	2
May	1 181	12	14 993	1	1 949	22	116 653	11
June	1 860	19	1 273 840	48	1 555	18	447 946	40
July	3 263	33	1 251 171	46	1 941	22	371 515	34
August	1 883	19	147 040	5	1 866	21	130 758	12
September	656	7	5 312	-	514	6	14 966	1
October	236	2	1 885	-	229	3	4 590	-
November	75	-	4 217	-	48	1	1 831	-
December	18	-	67	-	6	-	12	-
TOTALS	9 958	100	2 700 745	100	8 755	100	1 108 500	100

Table 1.4 Fire Losses<sup>2</sup>

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	223 709	\$143 028 194	177 678	\$22 909 150
Regeneration and Immature Cutover & Other Areas	71 958	1 304 752	319 555	7 364 561
Real and Personal Property	2 338 473	639 273	584 255	1 186 814
TOTALS	2 634 140	\$151 078 951	1 081 488	\$33 986 745

<sup>1</sup> Prince Edward Island figures are not included.

<sup>2</sup> Prince Edward Island and National Parks figures are not included.

Table 1.5

Fire Control Expenditure<sup>1</sup>

Table 1.6 Fatalities

Jurisdiction	Budgeted Costs	Fire Fighting Costs	Total	
			1979	1969-78
British Columbia	\$ 7 350 000	\$23 200 000	1	5
Alberta	3 926 000	8 680 000	-	-
Saskatchewan	644 000	2 300 000	-	-
Manitoba	1 100 000	3 168 000	-	-
Ontario	8 250 000	8 250 000	-	-
Quebec	17 585 000	941 000	-	1
New Brunswick	309 000	314 000	-	-
Prince Edward Island	..	..	-	-
Nova Scotia	3 741 000	380 000	-	-
Newfoundland	3 700 000	415 000	-	-
Yukon Territory	2 200 000	83 000	-	-
Northwest Territories	1 200 000	2 487 000	-	6
National Parks	552 000	1 435 000	-	1
Other Federal Lands	128 000	13 000	-	-
<b>TOTAL</b>	<b>\$50 685 000</b>	<b>\$51 666 000</b>	<b>1</b>	<b>13</b>

<sup>1</sup> Figures rounded to nearest 1000 dollars, interagency comparisons should not be made; data from previous years not sufficiently complete for annual averages.

FOREST FIRE STATISTICS FOR THE PROVINCES<sup>1</sup>

Table 2.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	1 620	17	9 229	1	1 702	20	37 290	6
Resident	862	9	6 383	1	905	11	29 698	5
Forest Industry	452	5	10 972	2	380	5	18 988	3
Railroads	418	4	510	-	532	6	4 971	-
Other Industry	218	2	5 184	1	315	4	13 531	2
Incendiary	518	5	5 527	1	438	5	9 766	2
Miscellaneous	1 125	12	14 666	2	1 253	15	19 887	3
TOTAL KNOWN MAN-CAUSED	5 213	54	52 471	8	5 525	66	134 131	21
Lightning	4 029	42	650 277	92	2 436	29	484 378	77
Unknown	376	4	1 520	-	430	5	12 435	2
TOTALS	9 618	100	704 268	100	8 391	100	630 944	100

Table 2.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	5 337	55	368	-	4 180	50	264	-
0.1 - 4.0	3 312	34	3 470	1	3 217	38	3 506	-
4.1 - 40.0	643	7	9 370	1	650	8	10 261	2
40.1 - 200	191	2	94 971	13	179	2	21 085	3
over 200	135	2	596 089	85	165	2	595 832	95
TOTALS	9 618	100	704 268	100	8 391	100	630 944	100

<sup>1</sup> Includes all areas in Canada except the Yukon and Northwest Territories. Includes eight year annual average for Prince Edward Island (1971-1978).

Table 2.3 Fire Distribution by Month

Month	1979 <sup>1</sup>				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	10	-	5	-	12	-	28	-
February	17	-	69	-	5	-	5	-
March	94	1	326	-	42	-	521	-
April	665	7	1 820	-	584	7	19 664	3
May	1 160	12	14 983	2	1 918	23	106 210	17
June	1 735	18	388 486	55	1 445	17	260 474	41
July	3 094	33	276 983	39	1 799	21	156 559	25
August	1 771	19	11 364	2	1 811	22	71 656	11
September	638	7	4 060	1	497	6	9 388	2
October	236	2	1 885	-	244	3	4 588	1
November	75	1	4 217	1	48	1	1 831	-
December	18	-	67	-	6	-	12	-
TOTALS	9 513	100	704 265	100	8 391	100	630 944	100

Table 2.4 Fire Losses<sup>2</sup>

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	202 491	\$143 028 194	125 724	\$ 22 010 162
Regeneration and Immature	35 536	1 304 752	147 775	4 612 650
Cutover & Other Areas	399 633	639 273	330 433	323 327
Real and Personal Property		6 106 732		2 497 285
TOTALS	637 660	\$151 078 951	603 932	\$ 29 443 424

<sup>1</sup> Prince Edward Island figures are not included.<sup>2</sup> Prince Edward Island and National Parks figures are not included.

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
Recreation	82	19	165	-	73	20	3 824	1
Resident	11	2	5	-	14	4	52	-
Forest Industry	4	1	1	-	3	1	35	-
Railroads	-	-	-	-	-	-	2 023	-
Other Industry	25	6	3 235	-	16	4	23 939	5
Incendiary	-	-	-	-	5	1	15	-
Miscellaneous	10	2	10	-	25	7	479	-
TOTAL KNOWN MAN-CAUSED	132	30	3 416	-	136	37	30 367	6
Lightning	312	70	1 993 064	100	203	56	424 894	89
Unknown	1	-	--	-	25	7	22 295	5
TOTALS	445	100	1 996 480	100	364	100	477 556	100

Table 3.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
0 - 0.09	73	16	6	-	100	28	2	-
0.1 - 4.0	198	45	192	-	132	36	158	-
4.1 - 40.0	45	10	648	-	47	13	845	-
40.1 - 200	16	4	1 961	-	26	7	2 821	1
over 200	113	25	1 993 673	100	59	16	473 730	99
TOTALS	445	100	1 996 480	100	364	100	477 556	100

Table 3.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	4	1	11	-
May	21	5	10	-	31	9	10 435	2
June	125	28	885 354	44	110	30	187 472	39
July	169	38	974 188	49	142	39	214 956	45
August	112	25	135 676	7	55	15	59 102	13
September	18	4	1 252	-	17	5	5 578	1
October	-	-	-	-	5	1	2	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
TOTALS	445	100	1 996 480	100	364	100	477 556	100

Table 3.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	21 218	\$ 29 455	51 954	\$ 898 988
Regeneration and Immature	36 422	155 110	171 780	2 751 911
Cutover & Other Areas	1 938 840	239 769	253 822	863 487
Real and Personal Property		-		28 935
TOTALS	1 996 480	\$424 334	477 556	\$4 543 321

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	533	14	2 562	9	434	18	3 971	5
Resident	144	4	1 449	5	180	7	8 943	11
Forest Industry	278	7	8 814	30	184	8	8 907	10
Railroads	140	4	276	1	147	6	589	1
Other Industry	41	1	750	3	62	2	548	1
Incendiary	212	6	3 815	13	92	4	919	1
Miscellaneous	547	14	3 195	10	403	17	5 036	6
TOTAL KNOWN MAN-CAUSED	1 895	50	20 861	71	1 502	62	28 913	35
Lightning	1 943	50	8 568	29	916	38	54 683	65
Unknown	11	-	15	-	13	-	115	-
TOTALS	3 849	100	29 444	100	2 431	100	83 711	100

Table 4.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	2 677	70	266	1	1 476	61	78	-
0.1 - 4.0	852	22	889	3	727	30	817	1
4.1 - 40.0	204	5	2 937	10	151	6	2 237	3
40.1 - 200	91	2	8 004	27	45	2	4 875	6
over 200	25	1	17 348	59	32	1	75 704	90
TOTALS	3 849	100	29 444	100	2 431	100	83 711	100

Table 4.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	6	-	5	-	--	-	6	-
February	-	-	-	-	--	-	1	-
March	31	1	235	1	11	-	64	-
April	153	4	958	3	88	4	2 494	3
May	224	6	6 372	22	309	13	10 484	13
June	605	16	2 143	7	384	16	23 617	28
July	1 117	29	4 521	15	680	28	27 550	33
August	1 179	31	6 205	21	702	29	13 391	16
September	356	9	3 549	12	181	7	4 854	6
October	134	3	1 304	5	71	3	1 201	1
November	32	1	4 086	14	3	-	48	-
December	12	-	66	-	2	-	1	-
TOTALS	3 849	100	29 444	100	2 431	100	83 711	100

Table 4.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	14 136	\$10 543 250	16 898	\$2 904 927
Regeneration and Immature	4 325	411 677	18 116	2 280 002
Cutover & Other Areas	10 983	136 820	48 697	160 791
Real and Personal Property		3 035 414		554 828
TOTALS	29 444	\$14 127 161	83 711	\$5 900 548



FOREST FIRE STATISTICS FOR ALBERTA

Table 5.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
Recreation	232	23	31	-	121	18	158	1
Resident	43	4	330	-	76	11	2 444	9
Forest Industry	10	1	2	-	23	4	436	2
Railroads	5	1	2	-	16	2	40	-
Other Industry	53	5	57	-	43	6	1 603	5
Incendiary	57	6	1 175	1	58	9	1 266	5
Miscellaneous	67	7	7 504	4	50	7	110	-
TOTAL KNOWN MAN-CAUSED	467	47	9 101	5	387	57	6 057	22
Lightning	518	52	185 455	95	253	38	21 136	77
Unknown	15	1	48	-	31	5	293	1
TOTALS	1 000	100	194 604	100	671	100	27 486	100

Table 5.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
0 - 0.09	540	54	---	-	353	53	2	-
0.1 - 4.0	339	34	432	-	218	32	268	1
4.1 - 40.0	84	8	1 138	1	66	10	1 009	4
40.1 - 200	18	2	1 516	1	21	3	1 912	7
over 200	19	2	191 518	98	13	2	24 295	88
TOTALS	1 000	100	194 604	100	671	100	27 486	100

Table 5.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	4	-	--	-	5	1	1	-
February	-	-	-	-	4	1	2	-
March	12	1	9	-	8	1	4	-
April	17	2	83	-	54	8	1 042	4
May	136	14	688	-	181	27	9 590	34
June	242	24	187 283	97	140	21	8 618	32
July	296	30	2 203	1	111	16	2 686	10
August	118	12	4 123	2	88	13	4 694	17
September	65	6	13	-	29	4	707	3
October	66	6	72	-	32	5	94	-
November	38	4	129	-	16	2	45	-
December	6	1	1	-	3	1	3	-
TOTALS	1 000	100	194 604	100	671	100	27 486	100

Table 5.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	121 065	\$27 997 670	8 409	..
Regeneration and Immature	4 800	3 986	5 199	..
Cutover & Other Areas	68 739	-	13 878	..
Real and Personal Property		-		..
TOTALS	194 604	\$28 001 656	27 486	\$3 146 405

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
Recreation	62	15	673	-	73	19	13 975	9
Resident	57	14	898	1	51	13	1 050	1
Forest Industry	7	2	--	-	5	1	307	-
Railroads	-	-	-	-	4	1	37	-
Other Industry	3	1	30	-	10	3	1 262	1
Incendiary	15	4	102	-	31	8	670	-
Miscellaneous	21	5	168	-	19	5	7 513	5
TOTAL KNOWN MAN-CAUSED	165	41	1 871	1	193	50	24 814	16
Lightning	237	56	227 771	99	156	41	131 114	84
Unknown	11	3	27	-	32	9	130	-
TOTALS	413	100	229 669	100	381	100	156 058	100

Table 6.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
0 - 0.09	136	33	--	-	176	46	--	-
0.1 - 4.0	168	41	185	-	125	33	167	-
4.1 - 40.0	43	10	824	-	38	10	601	-
40.1 - 200	20	5	1 995	1	15	4	2 113	1
over 200	46	11	226 665	99	27	7	153 177	99
TOTALS	413	100	229 669	100	381	100	156 058	100

Table 6.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	1	-	--	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	20	5	240	-
May	67	16	1 754	1	103	27	25 316	16
June	109	26	75 729	33	90	24	94 354	61
July	165	40	151 624	66	72	19	22 075	14
August	55	13	112	-	66	17	13 936	9
September	8	2	3	-	16	4	35	-
October	6	2	447	-	8	2	89	-
November	3	1	--	-	5	2	12	-
December	-	-	-	-	--	-	1	-
TOTALS	413	100	229 669	100	381	100	156 058	100

Table 6.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	391	\$ ..	9 659	\$ 399 263
Regeneration and Immature	298	..	52 868	373 309
Cutover & Other Areas	228 980	-	93 531	-
Real and Personal Property		251 000		12 710
TOTALS	229 669	\$251 000	156 058	\$ 785 282

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
Recreation	77	12	609	1	70	13	1 107	2
Resident	110	17	2 297	3	183	33	14 944	22
Forest Industry	8	1	1 792	2	5	1	75	-
Railroads	16	3	54	-	19	3	476	1
Other Industry	9	1	2	-	16	3	559	1
Incendiary	19	3	39	-	45	8	4 720	7
Miscellaneous	5	1	237	-	18	3	2 350	3
TOTAL KNOWN MAN-CAUSED	244	38	5 030	6	356	64	24 231	36
Lightning	378	59	77 346	94	174	32	39 731	58
Unknown	22	3	48	-	20	4	4 159	6
TOTALS	644	100	82 424	100	550	100	68 121	100

Table 7.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
0 - 0.09	160	25	8	-	191	35	12	-
0.1 - 4.0	340	53	331	-	216	39	374	1
4.1 - 40.0	115	18	1 697	2	82	15	2 179	3
40.1 - 200	29	4	80 388	98	31	6	5 677	8
over 200	-	-	-	-	30	5	59 879	88
TOTALS	644	100	82 424	100	550	100	68 121	100

Table 7.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	6	1	21	-
February	1	-	1	-	1	-	--	-
March	-	-	-	-	3	1	367	-
April	3	-	19	-	51	9	14 407	21
May	28	4	49	-	138	25	9 461	14
June	126	20	27 899	34	92	17	12 974	19
July	334	52	53 249	65	101	18	20 414	30
August	113	18	726	1	92	17	4 042	6
September	32	5	428	-	37	7	2 406	4
October	7	1	53	-	21	4	2 415	4
November	-	-	-	-	7	1	1 614	2
December	-	-	-	-	1	-	--	-
TOTALS	644	100	82 424	100	550	100	68 121	100

Table 7.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	41 912	\$103 563 400	22 343	\$ 8 308 743
Regeneration and Immature	13 950	344 685	10 014	470 930
Cutover & Other Areas	26 562	-	35 764	3 639
Real and Personal Property		50 000		2 516
TOTALS	82 424	\$103 958 085	68 121	\$ 8 785 828

FOREST FIRE STATISTICS FOR ONTARIO

Table 8.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
Recreation	407	26	203	-	511	28	6 083	4
Resident	90	6	166	-	197	11	1 037	1
Forest Industry	21	1	36	-	18	1	2 850	2
Railroads	169	11	122	-	189	10	2 498	2
Other Industry	28	2	106	-	31	2	194	-
Incendiary	24	1	28	-	32	2	468	-
Miscellaneous	101	6	3 038	5	224	12	1 081	1
TOTAL KNOWN MAN-CAUSED	840	53	3 699	5	1 202	66	14 211	10
Lightning	696	45	59 626	94	601	32	146 135	90
Unknown	28	2	393	1	36	2	813	-
TOTALS	1 564	100	63 718	100	1 839	100	161 159	100

Table 8.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
0 - 0.09	785	50	46	-	861	47	50	-
0.1 - 4.0	669	43	597	1	812	44	755	-
4.1 - 40.0	73	5	1 153	2	112	6	1 508	1
40.1 - 200	16	1	1 489	2	26	1	2 529	2
over 200	21	1	60 433	95	28	2	156 317	97
TOTALS	1 564	100	63 718	100	1 839	100	161 159	100

Table 8.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	1	-	1	-	9	-	20	-
April	76	5	190	-	170	10	902	1
May	190	12	266	-	420	23	42 394	26
June	307	20	45 672	72	281	15	69 192	43
July	695	44	17 425	28	388	21	39 664	25
August	169	11	102	-	414	23	8 252	5
September	118	8	57	-	109	6	96	-
October	8	-	5	-	43	2	586	-
November	-	-	-	-	5	-	52	-
December	-	-	-	-	-	-	1	-
TOTALS	1 564	100	63 718	100	1 839	100	161 159	100

Table 8.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	15 894	\$1 791 385	33 483	\$4 089 442
Regeneration and Immature	6 464	476 170	46 835	1 070 436
Cutover & Other Areas	41 360	-	80 841	-
Real and Personal Property		42 606		183 379
TOTALS	63 718	\$2 310 161	161 159	\$5 343 257



FOREST FIRE STATISTICS FOR QUEBEC

Table 9.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
Recreation	202	33	375	12	381	35	9 891	19
Resident	107	17	243	8	118	11	693	1
Forest Industry	84	14	90	3	83	7	5 015	10
Railroads	31	5	9	-	47	4	942	2
Other Industry	69	11	105	3	113	10	9 207	18
Incendiary	29	5	38	1	44	4	735	1
Miscellaneous	9	1	7	-	75	7	933	2
TOTAL KNOWN MAN-CAUSED	531	86	867	27	861	78	27 416	53
Lightning	84	14	2 332	73	232	21	20 555	40
Unknown	-	-	-	-	9	1	3 878	7
TOTALS	615	100	3 199	100	1 102	100	51 849	100

Table 9.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
0 - 0.09	374	61	5	-	509	46	7	-
0.1 - 4.0	199	32	233	7	452	41	446	1
4.1 - 40.0	38	6	560	18	103	9	1 421	3
40.1 - 200	3	1	501	16	22	2	1 997	4
over 200	1	-	1 900	59	16	2	47 978	92
TOTALS	615	100	3 199	100	1 102	100	51 849	100

Table 9.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	--	-	1	-
April	26	4	16	-	27	2	107	-
May	211	35	646	20	339	31	6 856	13
June	101	17	1 953	61	209	19	37 691	73
July	198	32	533	17	221	20	6 294	12
August	56	9	51	2	223	20	514	1
September	18	3	--	-	52	5	187	1
October	5	-	--	-	24	2	148	-
November	-	-	-	-	7	1	45	-
December	-	-	-	-	--	-	6	-
TOTALS	615	100	3 199	100	1 102	100	51 849	100

Table 9.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	1 238	\$ 132 285	28 499	\$ 2 601 042
Regeneration and Immature	1 255	33 416	12 233	271 693
Cutover & Other Areas	706	12 748	11 117	106 296
Real and Personal Property		132 231		901 509
TOTALS	3 199	\$ 310 680	51 849	\$ 3 880 540

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	15	4	12	1	26	6	134	6
Resident	118	29	797	57	36	8	104	5
Forest Industry	16	4	147	10	20	4	375	18
Railroads	20	5	22	2	28	6	123	6
Other Industry	10	2	26	2	12	3	68	3
Incendiary	6	1	1	-	29	6	345	17
Miscellaneous	93	23	276	19	238	51	384	19
TOTAL KNOWN MAN-CAUSED	278	68	1 281	91	389	84	1 533	74
Lightning	33	8	96	7	29	6	192	9
Unknown	98	24	30	2	48	10	352	17
TOTALS	409	100	1 407	100	466	100	2 077	100

Table 10.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	216	53	22	2	220	47	6	-
0.1 - 4.0	160	39	194	14	209	45	192	9
4.1 - 40.0	28	7	353	25	31	7	398	19
40.1 - 200	4	1	404	29	5	1	473	23
over 200	1	-	434	30	1	-	1 008	49
TOTALS	409	100	1 407	100	466	100	2 077	100

Table 10.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	2	-
April	53	13	104	7	24	5	78	4
May	113	28	944	67	145	31	903	44
June	59	14	41	3	92	20	669	32
July	118	29	288	21	73	16	71	3
August	42	10	24	2	92	20	236	11
September	13	3	1	-	30	6	99	5
October	9	2	3	-	9	2	15	1
November	2	1	2	-	1	-	4	-
December	-	-	-	-	-	-	-	-
TOTALS	409	100	1 407	100	466	100	2 077	100

Table 10.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	256	\$ 64 249	695	\$ 220 971
Regeneration and Immature	130	7 059	478	36 545
Cutover & Other Areas	1 021	162 727	904	-
Real and Personal Property		2 470 318		842 343
TOTALS	1 407	\$ 2 704 353	2 077	\$ 1 099 859

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.1 Fire Distribution by Cause

Cause Class	1979 <sup>1</sup>				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	-	-	-	-	7	18	42	20
Resident	-	-	-	-	2	5	3	1
Forest Industry	-	-	-	-	4	10	6	3
Railroads	-	-	-	-	1	3	2	1
Other Industry	-	-	-	-	1	3	26	12
Incendiary	-	-	-	-	9	24	74	35
Miscellaneous	105	100	3	100	1	3	2	1
TOTAL KNOWN MAN-CAUSED	105	100	3	100	25	66	155	73
Lightning	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	13	34	58	27
TOTALS	105	100	3	100	38	100	213	100

<sup>1</sup> The majority of fires occurred in grasslands where the burned area was not recorded.

Table 11.2 Fire Distribution by Size Class

Size Class (hectares)	1979 <sup>2</sup>				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	105	100	3	100	1	3	17	8
0.1 - 4.0	-	-	-	-	28	73	43	20
4.1 - 40.0	-	-	-	-	7	18	43	20
40.1 - 200	-	-	-	-	1	3	70	33
over 200	-	-	-	-	1	3	40	19
TOTALS	105	100	3	100	38	100	213	100

<sup>2</sup> Area burned represents forest lands only.

Table 11.3 Fire Distribution by Month

Month	1979 <sup>1</sup>				Annual Average 1971-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	..	..	..	..	-	-	-	-
February	..	..	..	..	-	-	-	-
March	..	..	..	..	1	3	2	1
April	..	..	..	..	7	18	32	15
May	..	..	..	..	16	42	104	49
June	..	..	..	..	5	13	11	5
July	..	..	..	..	3	8	31	15
August	..	..	..	..	3	8	6	3
September	..	..	..	..	2	5	24	11
October	..	..	..	..	1	3	2	1
November	..	..	..	..	--	-	1	-
December	..	..	..	..	-	-	-	-
TOTALS	105	100	3	100	38	100	213	100

<sup>1</sup> Number of fires and area burned by month are not available.

Table 11.4 Fire Losses

	1979		Annual Average 1971-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	3	..	..	..
Regeneration and Immature	-	-	..	..
Cutover & Other Areas	..	..	..	..
Real and Personal Property		-		-
TOTALS	3	..	213	..

FOREST FIRE STATISTICS FOR NOVA SCOTIA

Table 12.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	53	8	54	7	30	5	63	2
Resident	158	23	191	25	39	7	39	1
Forest Industry	24	4	16	2	28	5	106	3
Railroads	28	4	10	1	47	8	90	3
Other Industry	-	-	-	-	25	4	48	2
Incendiary	153	22	268	36	88	15	513	17
Miscellaneous	157	23	120	16	171	29	423	13
TOTAL KNOWN MAN-CAUSED	573	84	659	87	428	73	1 282	41
Lightning	3	-	5	1	3	-	2	-
Unknown	106	16	91	12	157	27	1 850	59
TOTALS	682	100	755	100	588	100	3 134	100

Table 12.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	215	31	9	1	238	40	3	-
0.1 - 4.0	435	64	354	47	311	53	266	8
4.1 - 40.0	31	5	340	45	33	6	394	13
40.1 - 200	1	-	52	7	4	1	272	9
over 200	-	-	-	-	2	-	2 199	70
TOTALS	682	100	755	100	588	100	3 134	100

Table 12.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	16	2	68	9	-	-	-	-
March	50	7	81	11	9	1	60	2
April	321	47	430	57	132	22	263	8
May	143	21	132	17	194	33	551	18
June	60	9	22	3	75	13	1 965	63
July	63	9	16	2	62	11	195	6
August	10	2	--	-	73	12	42	1
September	19	3	6	1	28	5	15	1
October	-	-	-	-	12	2	33	1
November	-	-	-	-	3	1	10	-
December	-	-	-	-	-	-	-	-
TOTALS	682	100	755	100	588	100	3 134	100

Table 12.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	184	\$ 25 086	1 391	\$ 175 923
Regeneration and Immature	29	1 792	240	7 983
Cutover & Other Areas	542	7 999	1 503	22 384
Real and Personal Property		-		-
TOTALS	755	\$ 34 877	3 134	\$ 206 290



FOREST FIRE STATISTICS FOR NEWFOUNDLAND & LABRADOR

Table 13.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
Recreation	24	14	4 707	15	27	13	1 857	4
Resident	35	20	12	-	22	10	359	1
Forest Industry	2	1	70	-	9	4	908	1
Railroads	5	3	14	-	27	13	169	-
Other Industry	5	3	4 108	13	1	1	13	-
Incendiary	2	1	61	-	4	2	13	-
Miscellaneous	5	3	103	-	30	14	1 907	4
TOTAL KNOWN MAN-CAUSED	78	45	9 075	28	120	57	5 226	10
Lightning	14	8	22 475	69	29	14	44 191	88
Unknown	80	47	868	3	62	29	766	2
TOTALS	172	100	32 418	100	211	100	50 183	100

Table 13.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
0 - 0.09	78	45	6	-	98	47	85	-
0.1 - 4.0	63	37	169	1	77	36	129	-
4.1 - 40.0	15	9	252	1	19	9	335	1
40.1 - 200	7	4	454	1	6	3	790	2
over 200	9	5	31 537	97	11	5	48 844	97
TOTALS	172	100	32 418	100	211	100	50 183	100

Table 13.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	2	-
March	-	-	-	-	1	-	1	-
April	15	9	20	-	8	4	10	-
May	46	27	4 128	13	50	24	391	1
June	57	33	5 659	17	54	26	8 256	16
July	47	27	22 599	70	58	28	24 850	50
August	3	2	11	-	30	14	16 244	32
September	4	2	1	-	9	4	426	1
October	-	-	-	-	1	-	3	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
TOTALS	172	100	32 418	100	211	100	50 183	100

Table 13.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	7 402	\$ 740 200	4 307	\$ 3 305 757
Regeneration and Immature	4 285	321 375	1 779	101 719
Cutover & Other Areas		-	44 097	30 161
Real and Personal Property	20 731	300 000		-
TOTALS	32 418	\$ 1 361 575	50 183	\$ 3 437 637

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY

Table 14.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	29	45	50	1	21	18	127	-
Resident	-	-	-	-	7	6	38	-
Forest Industry	4	6	1	-	2	1	34	-
Railroads	-	-	-	-	--	-	1	-
Other Industry	10	15	6	-	5	5	900	1
Incendiary	-	-	-	-	4	3	10	-
Miscellaneous	-	-	-	-	15	13	31	-
TOTAL KNOWN MAN-CAUSED	43	66	57	1	54	46	1 141	1
Lightning	21	32	7 289	99	51	43	87 088	95
Unknown	1	2	1	-	13	11	3 417	4
TOTALS	65	100	7 347	100	118	100	91 646	100

Table 14.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	19	29	1	-	53	45	2	-
0.1 - 4.0	37	57	39	1	34	29	43	-
4.1 - 40.0	3	5	81	1	12	10	243	-
40.1 - 200	2	3	156	2	7	6	930	1
over 200	4	6	7 070	96	12	10	90 428	99
TOTALS	65	100	7 347	100	118	100	91 646	100

Table 14.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	2	2	11	-
May	13	20	5	-	15	13	2 148	2
June	21	32	2 667	36	37	31	43 514	48
July	8	13	4 303	59	42	35	26 656	29
August	21	32	371	5	14	12	18 933	20
September	2	3	1	-	7	6	384	1
October	-	-	-	-	1	1	--	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
TOTALS	65	100	7 347	100	118	100	91 646	100

Table 14.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	46	\$ 1 780	24 279	\$ 386 989
Regeneration and Immature Cutover & Other Areas	1	101	16 771	234 661
	7 300	36 542	50 596	144 562
Real and Personal Property		-		4 575
TOTALS	7 347	\$ 38 423	91 646	\$ 770 787

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	53	14	115	-	52	21	3 697	1
Resident	11	3	5	-	7	3	14	-
Forest Industry	-	-	-	-	1	-	1	-
Railroads	-	-	-	-	-	-	2 023	1
Other Industry	14	4	3 229	-	12	5	23 039	6
Incendiary	-	-	-	-	1	-	5	-
Miscellaneous	10	2	10	-	9	4	448	-
TOTAL KNOWN MAN-CAUSED	88	23	3 359	-	82	33	29 227	8
Lightning	292	77	1 985 774	100	153	62	337 806	87
Unknown	-	-	-	-	11	5	18 878	5
TOTALS	380	100	1 989 133	100	246	100	385 911	100

Table 15.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	54	14	5	-	47	19	1	-
0.1 - 4.0	161	42	153	-	98	40	115	-
4.1 - 40.0	42	11	567	-	35	14	602	-
40.1 - 200	14	4	1 805	-	19	8	1 891	1
over 200	109	29	1 986 603	100	47	19	383 302	99
TOTALS	380	100	1 989 133	100	246	100	385 911	100

Table 15.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	2	1	1	-
May	8	2	5	-	16	6	8 288	2
June	104	28	882 687	44	73	29	143 957	37
July	161	42	969 885	49	100	41	188 300	49
August	91	24	135 305	7	41	17	40 169	11
September	16	4	1 251	-	10	4	5 194	1
October	-	-	-	-	4	2	2	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
TOTALS	380	100	1 989 133	100	246	100	385 911	100

Table 15.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	21 172	\$ 2 964 100	27 675	\$ 511 998
Regeneration and Immature	36 421	3 642 100	155 009	2 517 250
Cutover & Other Areas	1 931 540	9 657 700	203 227	718 925
Real and Personal Property		-		24 360
TOTALS	1 989 133	\$ 16 263 900	385 911	\$ 3 772 533

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS

Table 16.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
Recreation	15	10	3	-	21	23	8	-
Resident	-	-	-	-	1	1	81	-
Forest Industry	-	-	-	-	--	-	3	-
Railroads	4	3	1	-	7	8	5	-
Other Industry	-	-	-	-	1	1	1	-
Incendiary	1	1	--	-	6	6	43	-
Miscellaneous	5	3	1	-	8	9	8	-
TOTAL KNOWN MAN-CAUSED	25	17	5	-	46	48	149	-
Lightning	123	80	66 603	100	41	44	26 637	100
Unknown	5	3	--	-	7	8	13	-
TOTALS	153	100	66 608	100	93	100	26 799	100

Table 16.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
0 - 0.09	49	32	2	-	53	57	3	-
0.1 - 4.0	78	51	73	-	30	32	33	-
4.1 - 40.0	11	7	111	-	4	5	87	-
40.1 - 200	2	1	168	1	2	2	286	1
over 200	13	9	66 254	99	4	4	26 390	99
TOTALS	153	100	66 608	100	93	100	26 799	100

Table 16.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	1	1	--	-	3	4	88	-
May	1	1	-	-	15	16	104	-
June	66	43	42 082	63	19	20	3 094	12
July	53	34	24 513	37	25	27	12 698	48
August	26	17	10	-	25	27	10 280	38
September	5	3	2	-	3	4	534	2
October	1	1	1	-	2	2	1	-
November	-	-	-	-	1	-	--	-
December	-	-	-	-	-	-	-	-
TOTALS	153	100	66 608	100	93	100	26 799	100

Table 16.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	..	\$ ..	3	\$ ..
Regeneration and Immature	..	..	9 048	..
Cutover & Other Areas	..	..	17 748	..
Real and Personal Property		-		..
TOTALS	66 608	\$ ..	26 799	\$ ..



FOREST FIRE STATISTICS FOR OTHER FEDERAL LANDS

Table 17.1 Fire Distribution by Cause

Cause Class	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
Recreation	-	-	-	-	1	5	2	1
Resident	-	-	-	-	-	-	-	-
Forest Industry	2	17	5	24	-	-	-	-
Railroads	-	-	-	-	-	-	-	-
Other Industry	-	-	-	-	-	-	1	1
Incendiary	-	-	-	-	-	-	-	-
Miscellaneous	10	83	14	76	16	80	140	92
TOTAL KNOWN MAN-CAUSED	12	100	19	100	17	85	143	94
Lightning	-	-	-	-	1	5	2	1
Unknown	-	-	-	-	2	10	8	5
TOTALS	12	100	19	100	20	100	153	100

Table 17.2 Fire Distribution by Size Class

Size Class (hectares)	1979				Annual Average 1969-78			
	Number of Fires	%	Area Burned in hectares	%	Number of Fires	%	Area Burned in hectares	%
0 - 0.09	2	17	1	2	3	15	1	1
0.1 - 4.0	9	75	13	70	12	60	14	9
4.1 - 40.0	1	8	5	28	4	20	47	31
40.1 - 200	-	-	-	-	1	5	91	59
over 200	-	-	-	-	-	-	-	-
TOTALS	12	100	19	100	20	100	153	100

Table 17.3 Fire Distribution by Month

Month	1979				Annual Average 1969-78			
	Number of Fires		Area Burned in hectares		Number of Fires		Area Burned in hectares	
		%		%		%		%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-
May	1	8	4	22	7	35	64	42
June	3	25	3	13	4	20	34	22
July	8	67	12	65	5	25	31	20
August	-	-	-	-	3	15	19	12
September	-	-	-	-	1	5	4	3
October	-	-	-	-	-	-	1	1
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
TOTALS	12	100	19	100	20	100	153	100

Table 17.4 Fire Losses

	1979		Annual Average 1969-78	
	Area Burned in hectares	Value Lost	Area Burned in hectares	Value Lost
Merchantable Timber	10	\$ 2 902	39	\$ 4 094
Regeneration and Immature	-	-	13	33
Cutover & Other Areas	9	-	101	56
Real and Personal Property		-		-
TOTALS	19	\$ 2 902	153	\$ 4 183