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CANADIAN FOREST FIRE STATISTICS:
1961-1966

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ABSTRACT

This report provides a set of Canadian forest fire statistics for the period 1961 to 1966. Data for 43,796 fires from every fire control agency in Canada were processed and stored on magnetic tape. This report contains statistics on fire occurrence and fire suppression. Under occurrence, the number of fires are tabulated with respect to time and location of occurrence, and cause. Occurrence probabilities are related to the Canadian forest fire weather index. Under suppression, distributions and summary statistics are presented for fire areas, suppression times, costs and damages, and fire-to-lake distances.

RESUME

Ce rapport fournit une série de statistiques sur les incendies forestiers au Canada pour la période qui s'étend de 1961 à 1966. Les données, obtenues de tous les organismes canadiens de protection contre le feu, portent sur 43,796 incendies et ont été traitées et emmagasinées sur bande magnétique. Ce rapport renferme des statistiques sur la fréquence et sur la suppression des incendies. Dans la section qui traite de la fréquence des incendies, les feux sont classifiés selon le temps et le lieu du feu et selon la cause. Les probabilités d'incendie sont reliées à l'Indice forêt-météo, méthode canadienne. Sous le titre "suppression des incendies", l'auteur donne les distributions et les statistiques sommaires sur l'étendue des incendies, sur le temps nécessaire à la suppression, sur les coûts et dommages et, sur les distances feu/lac.

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Without the basic fire report data, the statistics presented in this report could not have been produced. The authors, therefore, wish to thank every provincial forest fire control agency in Canada who, without exception, granted access to whatever fire data were available. In all cases, agency representatives generously assisted in gathering the data, whether in the form of copies of fire reports or computer files. It is hoped that the spirit of cooperation exhibited with respect to this project will serve as a model for future Canada-wide fire research efforts.

Closer to home, the authors wish to express their appreciation to Mrs. A. Laing for typing the manuscript and some of the tables. They would also like to thank Mr. Neil Bruce for his editorial comments.

PREFACE

The reader will note the use of English rather than metric (SI) units. Processing the original data began in 1969, well before metric conversion was instituted. The tables presented here were gradually developed, on a low-priority basis, over several years. Due to impending major disruptions in the research program, however, it was felt by the authors that failure to immediately publish the tables in their current form might adversely affect their ultimate disposition. More specifically, a delay resulting from metric conversion would have jeopardized publication of the tables. Hence, the tables use the same units of measurement as appear on the original fire report forms.

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INTRODUCTION

Forest fire control agencies in Canada have been keeping records of their activities in the form of individual forest fire reports for more than half a century. When considered in its entirety, the total amount of data collected is enormous. Unfortunately, usability of the data is severely limited by a number of problems. To begin with, the data are acquired by several different agencies and are stored in many different locations. There are as many data formats as there are fire control agencies. In addition, data formats frequently change over time. Lastly, many agencies do not use computer processing. Consequently, the user must transcribe the desired information by hand. There is little wonder that most forest fire research projects involving the use of individual forest report data have been limited to individual agencies.

In an effort to alleviate some of these problems, the Forest Fire Research Institute undertook a project to code selected data from individual forest fire reports for every fire which occurred in Canada between 1961 and 1966.^{1/} The selection of the end of the period was based on the fact that at the time of the inception of the project, 1966 was the most recent year for which computerized weather data was available in large quantities from the climatological branch of the Atmospheric Environment Service. The year 1961 was chosen as the beginning because it was a particularly bad fire year. (Lockman, 1967).

While the statistics presented herein are not as up-to-date as would be desired, they represent a one-time opportunity to examine fire control across Canada in some detail. Certain statistics such as costs and losses change significantly with time. In such cases the information provided in this report is useful primarily as data from a base period, against which current statistics can be compared. Other statistics such as fire causes change slowly with time and may, therefore, still be applicable today. To determine the degree of current applicability or the amount of adjustment needed to render the data found in this report applicable to today's conditions, the reader is referred to "Forest Fire Losses in Canada" (Lockman, 19__). Finally, certain information, such as fire-to-lake distances, do not change with time and the information provided herein is as relevant today as it was in the early 1960's.

^{1/} Data for Prince Edward Island were not available for the period of study.

In all, data from 43,796 fires were processed and stored on magnetic tape. The data processing procedure is described in detail by Simard et al. (1973). The purpose of this report is to present a summary of statistics for the six years of data. Only the simplest and most generally applicable statistics are presented. The number of combinations of statistics that could be gathered is so large as to be limitless. Consequently, summaries other than those mentioned in this report will be compiled only as required.

This report contains fire occurrence and fire suppression statistics. Under fire occurrence (Tables 1-12), the number of forest fires is summarized with respect to time of occurrence, location, and cause. Occurrence probabilities are related to the Canadian Forest Fire Weather Index. Under fire suppression (Tables 13-21), distributions and summary statistics for fire size, suppression time, suppression cost, damage, and fire-to-lake distance are presented. In most cases, the statistics are given on both a provincial and a national basis.

The information is presented without comment, interpretation, or analysis as the nature of these activities are dependent on the purposes of the user. The authors have simply compiled a set of statistics which describe selected aspects of fire suppression across Canada. It is hoped that the information will be useful to other investigators in the field.

REFERENCES

- Lockman, M. R., 19__, (Annual). Forest Fire Losses in Canada 19__, Environ. Can., C.F.S., Ottawa, Ont., 15 pp.
- Simard, A. J., J. D. Graham and A. S. Muir, 1973. Development of Computer Processing Techniques for Individual Forest Fire Report Data, For. Fire Res. Inst. Rep. FF-X-40, 81 pp.

Table 1. Number of Fires per Year.

This table lists the total number of fires for which a fire report was processed. The totals are stratified by year and province. Totals for Canada are also given.

Table 1 NUMBER OF FIRES PER YEAR

YEAR	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.
1961	784	3100	745	320	213	462	1318	859	506	216	8523
1962	279	1534	269	361	113	403	1558	1281	289	142	6229
1963	556	2344	448	423	104	359	1930	1175	262	112	7713
1964	361	1122	579	516	71	535	1852	1061	471	189	6757
1965	279	2687	222	756	180	714	1251	744	124	187	7144
1966	405	1967	235	649	134	730	1985	764	210	351	7430
TOTAL	2664	12754	2498	3025	815	3203	9894	5884	1862	1197	43796

Table 2. Number of Fires per Region per Year.

This table lists the average number of fires by forest region and province. In cases where regional boundaries changed during the period of tabulation, the most recent boundaries were used. Due to rounding off, the total number of fires per province per year may not equal one-sixth of the totals shown in Table 1. Data for individual years by region are available but are not included in this report. See Appendix IV in Simard et al. (1973) for a complete list of region names.

Table 2 NUMBER OF FIRES PER REGION PER YEAR

REGION	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.
1	9	444	60	113	74	76	25	72	187	57
2	13	527	70	89	38	61	30	21	90	6
3	45	414	109	153	20	45	46	161	33	12
4	40	215	177	119	4	18	44	101		10
5	75	268		31		33	25	71		5
6	32	258				16	16	399		52
7	80					162	132	149		17
8	29					32	11			19
9	23					32	31			21
10	39					13	79			0
11	0					48	115			2
12	45						199			
13	17						116			
14							83			
15							80			
16							104			
17							310			
18							34			
19							129			
20							33			
21							9			

Table 3. Number of Fires per Ranger Station per Year.

This table lists the average number of fires per year for each ranger station by province. Due to rounding, the total number of fires per province may not equal one-sixth of the totals given in Table 1. Data for individual years by ranger station are available but are not included in this report. See Appendix IV, in Simard et al. (1973) for a complete list of station names and locations.

Table 3 NUMBER OF FIRES PER RANGER STATION PER YEAR

STATION	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.
1	1.0	10.5	4.2	2.7	2.5	20.8	3.2	1.0	4.3	4.0
2	4.7	15.3	11.7	1.5	36.2	15.3	2.2	6.0	1.5	9.0
3	3.2	12.8	8.2	8.7	3.8	4.0	7.7	8.7	5.3	7.8
4	0.0	13.2	7.5	5.2	22.0	36.8	1.8	8.8	3.2	11.5
5	1.8	19.3	3.7	8.3	6.7	27.5	2.0	4.3	1.0	10.2
6	0.3	16.0	16.8	6.5	3.5	23.0	5.7	10.3	5.2	14.5
7	0.8	13.2	0.2	3.2	4.7	13.8	2.7	19.5	4.0	16.5
8	0.3	22.2	0.0	12.8	1.7	11.3	2.5	8.0	2.7	3.2
9	5.5	8.8	0.2	5.8	0.5	15.5	8.3	14.2	4.8	7.2
10	0.7	38.5	0.2	20.5	6.0	48.8	3.2	14.2	0.7	4.7
11	0.8	42.0	9.3	1.5	4.5	93.0	2.0	11.0	0.5	2.0
12	3.5	16.0	0.0	8.5	0.8	13.0	6.8	3.0	3.8	1.7
13	2.8	22.3	5.5	4.5	5.5	11.2	1.7	7.2	4.8	0.3
14	2.7	18.7	5.7	13.2	4.5	20.0	1.8	20.7	13.2	10.2
15	2.5	25.7	1.3	9.8	7.7	26.8	0.2	17.8	5.5	2.5
16	6.5	11.0	3.8	8.0	4.3	33.8	3.3	9.8	5.2	18.8
17	4.3	25.7	6.3	2.8	1.3	34.7	16.8	8.5	6.2	4.0
18	14.0	8.7	13.2	5.0	1.7	2.5	5.3	0.3	5.0	2.5
19	5.7	34.7	5.2	1.0	3.2	44.2	20.2	128.0	3.8	3.7
20	5.5	8.0	0.2	0.8	7.2	4.8	7.2	7.3	6.0	4.2
21	9.8	24.8	4.2	2.8	3.7	4.0	3.8	41.3	3.5	6.8
22	8.0	35.5	1.3	2.8	0.2	28.8	2.0	95.3	7.5	4.5
23	1.7	15.5	11.2	3.3	0.5		11.3	62.0	24.5	9.2
24	2.8	24.8	47.3	1.3	1.5		5.3	45.8	49.2	3.0
25	0.5	22.8	16.8	2.3			5.0	16.0	23.0	1.8
26	0.8	53.3	5.0	3.3			2.0	29.5	14.8	6.3
27	3.7	30.5	7.8	0.7			1.2	77.8	9.7	21.0
28	18.3	10.5	1.5	7.7			3.3	36.5	17.2	1.7
29	1.2	33.7	7.3	5.0			7.8	17.0	17.2	6.8
30	1.0	41.7	7.0	2.0			0.7	6.2	1.5	
31	1.7	22.0	10.0	8.2			3.2	5.8	15.5	
32	11.5	55.8	22.0	6.0			1.8	0.8	9.7	
33	15.5	38.0	20.0	6.0			12.0	7.7	10.5	
34	11.8	20.0	15.5	11.0			8.8	8.2	10.0	
35	8.2	25.8	34.3	2.8			1.5	10.2	6.7	
36	16.0	76.2	10.0	1.8			2.7	11.7	0.3	
37	13.8	28.5	14.2	8.7			1.7	1.5	0.5	
38	5.8	51.0	21.0	3.8			21.7	5.0	2.5	
39	7.7	49.8	10.8	11.5			22.5	5.8		
40	4.0	21.8	12.3	15.7			6.0	5.0		

Table 3 Cont. NUMBER OF FIRES PER RANGER STATION PER YEAR

STATION	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.
41	6.3	26.5	16.7	21.2			36.7	6.7		
42	8.3	33.3		2.3			14.0	3.0		
43	8.0	20.7		6.8			10.8	4.5		
44	2.3	26.5		9.3			23.3	9.7		
45	18.0	23.3		12.3			4.2	10.5		
46	10.7	7.2		9.8			2.7	15.2		
47	14.7	24.5		5.3			22.3	7.7		
48	13.0	10.8		8.2			16.2	8.5		
49	2.5	9.0		1.5			27.3	1.7		
50	6.0	14.2		4.7			13.0	2.2		
51	5.2	18.5		18.5			13.0	5.0		
52	2.0	7.5		5.2			6.8	0.3		
53	7.2	6.7		7.0			33.7	1.7		
54	6.0	11.2		12.7			3.2	12.0		
55	2.8	12.7		13.2			19.8	1.3		
56	6.2	5.7		6.3			13.3	4.8		
57	6.0	7.3		14.0			16.0	0.7		
58	2.8	7.8		28.0			15.2	6.0		
59	6.8	11.8		4.2			4.2	1.0		
60	4.8	6.2		5.5			7.5	1.3		
61	2.8	42.5		16.2			1.8	0.5		
62	3.7	18.5		4.5			44.7	9.0		
63	2.3	42.3		16.0			20.5	5.8		
64	5.2	35.0		0.8			70.5	4.2		
65	12.8	73.2		4.3			25.2	2.0		
66	7.7	8.5		2.5			28.3	6.0		
67	9.8	18.8		18.7			10.2	4.2		
68	1.8	3.3		0.7			21.5	20.3		
69	11.0	22.0		7.0			13.0	7.3		
70	3.0	5.8					13.5	1.0		
71	4.0	3.8					19.0	2.2		
72	7.3	7.7					7.8	8.3		
73	1.0	33.8					40.8	0.8		
74	12.8	11.0					0.2	0.7		
75	5.2	31.8					11.7	2.3		
76	0.0	26.5					10.2	1.8		
77	3.3	19.5					30.7	2.3		
78		11.5					4.8			
79		19.5					1.5			
80		12.3					11.2			
81		8.2					12.7			
82		13.8					4.8			
83		17.0					17.0			
84		11.5					7.2			
85		13.0					2.3			
86		12.3					7.5			
87		19.7					4.8			
88		14.7					22.8			
89		11.2					8.7			
90		33.3					6.8			

Table 3 Cont. NUMBER OF FIRES PER RANGER STATION PER YEAR

STATION	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.
91		18.0					14.2			
92		26.0					21.8			
93		7.2					26.7			
94		20.8					9.0			
95		31.3					29.2			
96		6.0					18.2			
97		6.3					11.8			
98		6.2					74.5			
99		13.0					105.5			
100		23.7					35.2			
101		9.2					16.7			
102							21.8			
103							15.0			
104							8.2			
105							3.7			
106							1.7			
107							2.3			
108							3.5			
109							8.8			
110							9.0			
111							3.0			
112							5.8			
113							0.0			
114							22.7			
115							10.3			
116							18.2			
117							31.2			
118							6.3			
119							27.0			
120							14.8			
121							12.3			
122							1.8			
123							1.2			
124							4.8			
125							6.5			
126							4.5			
127							2.5			
128							22.8			

Table 4. Number of Fires per Year by Day.

This table lists the average number of fires by date, month, and province. It also includes a total for Canada by date as well as the percent of fires which occurred each day. The number of fires for each month is also given by province. Figure 1 illustrates the data given in Table 4.

FIGURE 1. AVERAGE NUMBER OF FIRES PER DAY FOR CANADA

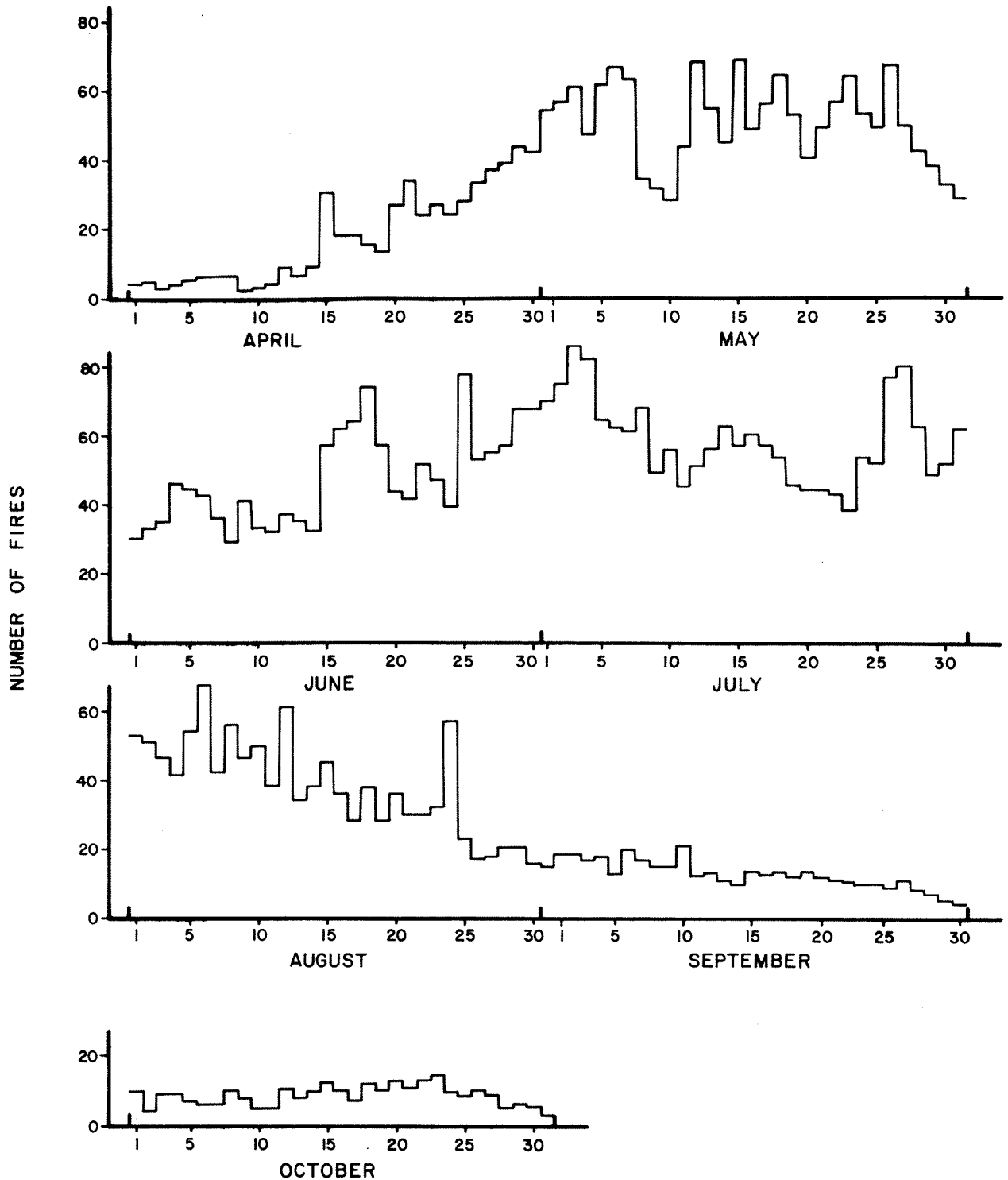


Table 4a

NUMBER OF FIRES PER YEAR BY DAY

MONTH	DAY	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
APRIL	1	1.2	0.8	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	3.7	0.05
	2	0.8	0.5	0.2	0.2	0.0	1.7	0.2	0.2	0.2	0.2	4.0	0.06
	3	0.7	0.7	0.2	0.0	0.0	1.3	0.3	0.0	0.0	0.0	3.2	0.04
	4	0.5	1.3	0.0	0.3	0.0	1.5	0.0	0.0	0.0	0.0	3.7	0.05
	5	0.7	1.2	0.0	0.3	0.0	2.8	0.0	0.3	0.0	0.0	5.3	0.07
	6	0.7	1.3	0.2	0.8	0.2	2.8	0.0	0.0	0.2	0.0	6.2	0.09
	7	0.8	0.5	0.2	0.0	0.5	3.2	0.8	0.0	0.0	0.0	6.0	0.08
	8	1.0	1.5	0.0	1.0	0.2	1.8	0.8	0.0	0.0	0.0	6.3	0.09
	9	0.3	0.5	0.0	0.0	0.0	0.5	0.7	0.0	0.0	0.0	2.0	0.03
	10	0.2	1.0	0.3	0.0	0.0	0.0	1.0	0.2	0.0	0.0	2.7	0.04
	11	0.5	0.7	0.2	0.0	0.0	0.3	1.8	0.3	0.0	0.0	3.8	0.05
	12	0.3	0.8	0.2	0.7	0.0	0.3	5.7	0.7	0.2	0.0	8.8	0.12
	13	0.5	0.7	0.0	0.2	0.0	0.7	4.0	0.2	0.0	0.0	6.2	0.09
	14	0.3	0.5	0.5	0.7	0.5	0.8	5.8	0.2	0.0	0.0	9.3	0.13
	15	3.3	13.7	0.3	1.8	0.0	3.7	7.0	0.5	0.2	0.2	30.7	0.43
	16	0.5	3.3	0.8	2.2	0.2	1.8	7.2	2.0	0.0	0.0	18.0	0.25
	17	1.2	1.5	0.5	0.7	0.2	4.5	7.8	1.2	0.0	0.0	17.5	0.24
	18	1.2	2.8	0.7	0.3	0.0	1.0	7.3	1.3	0.2	0.0	14.8	0.21
	19	0.3	2.2	0.8	1.2	0.0	2.0	4.5	1.8	0.0	0.2	13.0	0.18
	20	0.2	2.3	1.3	3.7	0.8	7.0	9.5	2.8	0.0	0.2	27.8	0.39
	21	1.2	2.3	0.5	5.7	1.2	11.5	6.2	5.5	0.2	0.0	34.2	0.48
	22	1.0	3.0	1.0	4.3	0.2	11.7	1.8	1.2	0.3	0.0	24.5	0.34
	23	2.0	3.5	0.5	3.8	1.8	7.5	5.3	1.8	0.3	0.0	26.7	0.37
	24	2.0	3.5	1.2	2.7	1.5	7.7	4.5	0.5	0.3	0.0	23.8	0.33
	25	1.5	4.5	2.3	2.3	0.7	2.7	11.2	2.5	0.5	0.0	28.2	0.39
	26	1.7	4.5	2.3	4.7	0.0	5.2	13.2	1.7	0.2	0.0	33.3	0.46
	27	1.5	4.2	1.2	5.3	0.3	4.0	16.0	4.3	0.8	0.0	37.7	0.53
	28	3.3	4.8	1.8	4.0	0.0	3.7	13.8	7.5	0.2	0.0	39.2	0.55
	29	3.2	3.8	3.3	7.7	0.0	7.0	9.7	8.0	1.0	0.2	43.8	0.61
	30	1.5	3.3	1.3	9.2	0.3	12.7	7.3	4.5	2.0	0.2	42.3	0.59
TOTAL FOR MONTH		34.0	75.3	21.8	63.7	8.5	113.0	153.5	49.2	6.7	1.0	526.7	7.35

Table 4b

NUMBER OF FIRES PER YEAR BY DAY

MONTH	DAY	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
MAY	1	1.7	7.2	2.7	11.7	1.2	7.2	10.5	10.3	1.3	0.3	54.0	0.75
	2	0.5	4.7	2.0	16.5	0.5	12.8	10.3	8.8	0.2	0.2	56.5	0.79
	3	0.5	5.8	2.2	13.8	1.3	18.3	12.2	5.8	0.8	0.2	61.0	0.85
	4	0.7	6.7	6.3	4.5	0.3	9.0	9.0	8.5	2.3	0.0	47.3	0.66
	5	1.0	12.5	1.2	7.8	0.2	11.5	15.8	9.8	0.8	0.8	61.5	0.86
	6	2.2	14.3	0.7	6.2	0.8	10.2	13.2	17.5	1.2	0.3	66.5	0.93
	7	2.5	7.5	0.8	9.7	0.5	10.0	15.8	15.3	0.8	0.0	63.0	0.88
	8	2.2	8.8	0.5	5.5	0.0	8.2	5.3	2.5	1.0	0.3	34.3	0.48
	9	6.0	8.3	1.3	2.0	1.3	2.7	4.8	3.0	2.0	0.0	31.5	0.44
	10	2.2	9.2	0.7	2.8	0.2	2.0	6.3	3.2	1.8	0.0	28.3	0.40
	11	1.8	4.7	1.3	5.2	0.5	6.5	13.2	6.7	2.7	1.0	43.5	0.61
	12	4.2	3.5	0.8	12.7	1.0	9.2	16.8	19.3	0.8	0.0	68.3	0.95
	13	1.2	6.5	1.0	13.0	1.8	0.5	12.3	11.7	1.3	0.8	50.2	0.70
	14	2.3	6.0	2.3	5.8	0.7	6.3	13.8	6.2	1.3	0.3	45.2	0.63
	15	4.3	24.3	2.2	6.2	0.7	8.5	11.3	8.3	2.2	0.7	68.7	0.96
	16	4.8	6.8	2.8	7.5	0.3	9.0	6.5	8.0	2.5	0.3	48.7	0.68
	17	2.8	16.3	3.8	7.8	0.7	5.5	9.7	6.2	2.3	0.8	56.0	0.78
	18	6.5	11.0	2.5	13.2	0.3	9.2	8.2	11.0	1.3	1.0	64.2	0.89
	19	5.2	10.3	2.7	8.3	2.5	6.8	7.3	8.7	2.5	0.3	54.7	0.76
	20	5.2	10.7	3.3	2.3	2.8	1.8	6.2	4.2	2.8	0.8	40.2	0.56
	21	5.0	8.5	4.2	3.3	0.7	2.3	13.2	6.3	4.7	0.8	49.0	0.68
	22	4.5	13.3	2.8	3.7	1.7	3.2	18.7	5.3	2.8	0.5	56.5	0.79
	23	8.0	9.7	3.0	4.3	0.7	4.3	22.0	8.3	2.3	1.2	63.8	0.89
	24	2.0	7.3	4.3	5.7	0.8	8.7	11.0	9.3	2.5	1.2	52.8	0.74
	25	2.7	14.2	2.3	4.8	1.2	7.0	8.5	5.2	2.0	1.2	49.0	0.68
	26	6.2	18.7	4.0	6.2	2.2	6.5	10.8	9.2	2.7	0.7	67.0	0.93
	27	4.7	12.7	3.8	3.0	1.3	3.2	7.3	8.7	3.3	1.3	49.3	0.69
	28	2.5	10.2	2.7	3.2	3.7	4.8	7.5	5.0	1.8	1.0	42.3	0.59
	29	1.7	9.5	3.2	5.5	1.8	5.0	5.2	4.0	1.2	0.7	37.7	0.53
	30	1.7	7.8	2.3	1.3	0.8	2.7	7.0	5.7	2.5	0.8	32.7	0.46
	31	1.7	5.2	1.7	1.7	1.2	2.2	5.8	4.5	4.0	0.7	28.5	0.40
TOTAL FOR MONTH		98.2	302.2	75.5	205.2	33.7	205.0	325.7	246.5	62.0	18.3	1572.2	21.93

Table 4c

NUMBER OF FIRES PER YEAR BY DAY

MONTH	DAY	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
JUNE	1	2.3	8.0	1.3	1.7	0.7	2.0	7.7	3.5	2.0	1.0	30.2	0.42
	2	1.7	8.8	2.8	1.3	1.3	1.3	8.3	5.0	2.5	0.3	33.5	0.47
	3	2.8	7.7	3.0	2.0	0.5	3.0	7.0	4.7	3.5	1.0	35.2	0.49
	4	12.2	9.2	3.2	1.5	0.3	1.2	8.7	4.8	4.2	0.8	46.0	0.64
	5	5.8	11.3	2.3	2.2	0.3	1.0	10.2	6.0	4.8	0.7	44.7	0.62
	6	9.2	10.5	3.8	0.3	0.3	1.7	5.8	5.5	4.0	1.3	42.5	0.59
	7	4.0	9.2	2.3	1.0	1.0	2.5	5.7	8.2	1.2	0.7	35.7	0.50
	8	2.0	6.7	2.2	1.5	1.2	1.5	3.8	6.7	1.7	2.0	29.2	0.41
	9	4.5	8.8	1.5	1.8	0.5	2.5	7.0	11.2	1.8	1.5	41.2	0.57
	10	2.7	8.0	2.3	2.2	1.2	1.2	6.5	5.3	1.8	1.8	33.0	0.46
	11	1.8	4.2	2.3	2.7	0.2	2.2	8.0	6.3	2.3	2.0	32.0	0.45
	12	1.5	6.8	1.7	3.7	0.3	2.3	6.7	9.8	2.0	2.5	37.3	0.52
	13	2.2	7.3	2.3	2.7	0.2	3.0	5.3	7.2	2.5	2.2	34.8	0.49
	14	2.0	9.2	1.7	1.2	0.5	0.2	5.8	6.5	1.7	3.0	31.7	0.44
	15	4.8	21.2	2.3	1.7	0.8	1.3	7.3	11.3	3.5	3.2	57.5	0.80
	16	6.2	16.7	3.7	2.2	0.8	3.0	11.3	10.8	2.5	4.8	62.0	0.86
	17	5.3	17.0	5.0	2.3	0.8	1.5	12.2	12.5	3.7	3.5	63.8	0.89
	18	2.7	33.3	3.3	4.3	1.5	3.2	11.5	9.2	3.2	2.0	74.2	1.03
	19	6.0	15.8	4.2	3.2	3.5	4.5	7.8	6.3	2.7	3.0	57.0	0.80
	20	5.0	7.2	2.8	3.0	3.7	2.7	7.5	7.2	2.3	2.2	43.5	0.61
	21	2.0	11.3	2.7	1.0	1.5	1.5	8.7	5.5	5.0	2.3	41.5	0.58
	22	2.0	9.8	8.5	2.8	2.7	1.7	6.3	12.2	3.8	1.8	51.7	0.72
	23	2.0	14.0	4.3	3.8	3.2	2.5	8.0	5.8	2.0	1.2	46.8	0.65
	24	3.3	12.8	5.0	1.0	1.0	1.5	6.3	3.5	3.0	1.8	39.3	0.55
	25	9.3	32.3	4.3	4.5	0.5	3.7	8.8	8.2	3.3	0.8	75.8	1.06
	26	2.5	11.5	4.7	4.7	0.8	1.2	13.0	9.5	3.3	1.7	52.8	0.74
	27	2.8	7.0	4.8	2.5	0.5	3.2	16.8	11.0	4.3	1.7	54.7	0.76
	28	1.8	8.5	3.0	5.0	1.2	4.7	14.8	12.7	4.3	0.7	56.7	0.79
	29	0.8	12.8	2.3	5.3	2.2	3.2	16.8	20.2	3.0	1.0	67.7	0.94
	30	1.5	8.8	5.2	5.3	0.7	1.8	23.0	16.2	3.7	1.5	67.7	0.94
TOTAL FOR MONTH		112.8	355.8	99.0	78.3	33.8	66.5	276.8	252.7	89.7	54.0	1419.5	19.80

Table 4d

NUMBER OF FIRES PER YEAR BY DAY

MONTH	DAY	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
JULY	1	3.3	12.5	3.5	6.8	1.0	1.0	25.2	18.3	1.2	1.2	74.0	1.03
	2	3.0	16.3	4.3	2.5	0.3	2.2	23.5	18.8	2.5	1.5	75.0	1.05
	3	9.3	24.5	4.2	3.0	1.3	0.8	19.8	12.7	5.0	5.0	85.7	1.19
	4	8.0	30.0	4.7	2.7	0.7	1.2	20.7	8.0	3.7	2.0	81.5	1.14
	5	6.2	13.3	5.2	3.5	0.7	0.8	19.2	10.2	3.8	1.8	64.7	0.90
	6	3.8	17.2	3.3	1.5	0.7	0.8	19.2	10.2	3.8	1.8	62.3	0.87
	7	3.7	21.7	3.8	2.2	0.3	1.7	13.3	7.8	3.5	2.7	60.7	0.85
	8	2.5	31.0	2.8	1.2	0.3	0.5	15.0	5.0	5.8	3.8	68.0	0.95
	9	1.8	11.2	2.0	2.3	0.0	1.0	16.7	8.7	4.2	1.2	49.0	0.68
	10	2.0	12.2	3.3	1.8	1.8	1.2	20.3	8.2	3.0	1.8	55.7	0.78
	11	0.7	9.0	2.5	1.3	0.3	0.8	22.0	4.2	2.0	2.0	44.8	0.63
	12	1.7	13.5	1.2	2.2	0.3	2.5	19.3	7.0	3.5	1.7	52.8	0.74
	13	2.0	17.2	1.0	3.5	0.8	2.5	14.2	9.2	4.2	1.5	56.0	0.78
	14	3.7	26.8	3.5	1.5	0.5	1.8	12.3	7.3	4.2	1.0	62.7	0.87
	15	4.2	26.7	1.2	2.5	1.5	1.5	10.8	4.3	2.5	1.7	56.8	0.79
	16	2.5	31.7	1.5	2.5	1.3	2.5	11.3	3.5	1.0	2.2	60.0	0.84
	17	3.3	20.2	0.5	1.7	1.2	3.2	16.2	6.2	0.5	3.7	56.5	0.79
	18	0.8	16.3	1.5	2.2	1.5	3.2	15.0	8.5	2.3	2.2	53.5	0.75
	19	0.8	8.0	0.5	1.5	0.5	1.2	18.3	9.0	2.2	3.7	45.7	0.64
	20	1.5	10.2	2.0	1.5	0.5	0.2	15.5	6.8	2.2	4.0	44.3	0.62
	21	0.8	12.7	2.5	0.8	0.8	0.8	13.7	4.2	3.0	4.7	44.0	0.61
	22	0.5	12.8	2.0	3.2	0.3	1.5	10.8	5.2	2.0	4.3	42.7	0.60
	23	0.7	10.5	1.7	1.5	0.2	1.8	11.5	5.7	2.2	2.3	38.0	0.53
	24	1.0	17.5	3.5	1.5	0.7	1.2	17.3	7.2	1.7	1.8	53.3	0.74
	25	1.0	20.0	1.8	3.0	1.3	1.3	12.8	5.7	2.2	3.3	52.5	0.73
	26	3.0	40.5	1.5	2.3	0.8	0.8	14.5	10.2	1.7	1.3	76.7	1.07
	27	1.7	45.3	2.7	2.2	0.8	1.5	14.8	6.8	2.3	1.8	80.0	1.12
	28	1.2	34.2	0.5	1.8	1.0	1.7	14.8	3.8	1.5	1.8	62.3	0.87
	29	0.3	16.0	1.2	2.7	1.8	1.2	13.3	8.5	1.3	2.3	48.7	0.68
	30	1.2	18.2	3.0	1.8	2.7	0.3	16.8	6.2	0.0	1.5	51.7	0.72
	31	1.0	32.3	1.7	2.5	0.7	1.0	17.0	9.5	1.3	1.8	68.8	0.96
TOTAL FOR MONTH		77.2	629.3	74.5	71.2	26.8	43.7	505.3	246.7	80.2	73.5	1828.3	25.50

Table 4e

NUMBER OF FIRES PER YEAR BY DAY

MONTH	DAY	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
AUGUST	1	2.2	23.7	1.7	2.7	1.2	1.7	10.5	5.0	1.2	2.8	52.5	0.73
	2	1.3	21.5	3.5	2.3	1.0	2.8	12.2	4.2	1.5	1.0	51.3	0.72
	3	2.8	17.3	3.0	2.3	0.8	1.7	10.8	3.8	1.8	2.0	46.5	0.65
	4	1.5	17.5	2.7	1.2	0.7	2.5	8.0	4.0	1.7	1.5	41.2	0.57
	5	2.8	24.5	3.0	3.7	0.5	1.7	10.5	3.5	2.7	1.8	54.7	0.76
	6	3.3	33.3	5.5	2.8	1.2	1.8	9.7	5.7	1.8	1.2	66.3	0.93
	7	2.5	11.5	4.2	2.3	0.8	2.3	9.7	5.2	1.7	2.3	42.5	0.59
	8	2.0	29.2	4.8	3.3	0.5	3.2	7.0	3.8	1.3	1.0	56.2	0.78
	9	1.5	17.3	4.7	1.2	0.7	3.2	9.2	5.5	1.2	1.7	46.0	0.64
	10	1.7	19.8	3.0	1.7	0.3	2.0	13.7	5.0	1.2	1.3	49.7	0.69
	11	1.7	18.5	2.5	2.7	1.0	2.5	5.3	1.8	0.8	1.7	38.5	0.54
	12	2.0	41.5	2.2	0.8	0.5	1.2	7.8	3.0	1.0	1.2	61.2	0.85
	13	0.5	16.0	3.3	1.5	0.5	3.2	5.8	1.7	1.8	0.2	34.5	0.48
	14	2.3	14.7	3.7	1.0	0.3	2.3	8.8	1.2	2.7	1.2	38.2	0.53
	15	2.2	22.2	2.5	3.3	0.8	2.7	7.0	2.0	1.5	1.5	45.7	0.64
	16	2.0	11.8	3.7	1.3	1.2	2.7	7.2	2.8	2.5	0.7	35.8	0.50
	17	1.0	11.5	2.7	0.7	1.0	2.3	4.2	3.3	1.2	0.8	28.7	0.40
	18	1.0	18.8	2.3	2.0	0.5	3.3	6.0	1.2	1.2	1.7	38.0	0.53
	19	1.7	11.0	1.8	2.2	0.7	2.5	4.5	1.2	1.3	1.0	27.8	0.39
	20	1.5	14.2	3.8	2.2	1.0	2.0	4.5	3.2	1.5	2.2	36.0	0.50
	21	0.3	12.8	2.5	3.7	0.5	1.0	4.7	1.7	1.3	1.3	29.8	0.42
	22	0.8	16.3	1.2	1.3	0.7	1.8	3.8	1.2	1.0	1.7	29.8	0.42
	23	2.0	14.3	2.0	0.7	0.7	1.7	6.3	2.8	0.8	1.0	32.3	0.45
	24	0.8	43.0	2.3	0.8	1.2	1.2	4.5	1.5	1.3	0.7	57.3	0.80
	25	1.8	10.5	1.5	0.8	0.7	0.8	5.2	1.3	0.0	0.8	23.5	0.33
	26	0.8	7.5	0.8	0.8	0.2	0.8	3.5	1.5	1.0	0.5	17.5	0.24
	27	0.2	6.8	1.2	0.8	0.2	0.5	2.7	2.3	1.2	2.2	18.0	0.25
	28	0.2	6.8	2.5	1.7	0.2	0.5	4.2	1.8	2.2	0.5	20.5	0.29
	29	0.3	9.0	1.2	1.0	0.2	0.7	3.8	2.2	1.2	1.0	20.5	0.29
	30	0.8	3.8	2.2	0.7	0.2	0.8	4.2	2.0	0.7	0.7	16.0	0.22
	31	0.0	4.5	0.8	1.8	0.2	1.2	2.8	3.0	1.2	0.2	15.7	0.22
TOTAL FOR MONTH		45.7	531.3	82.7	55.3	19.8	58.5	208.0	88.3	43.3	39.2	1172.2	16.35

Table 4f

NUMBER OF FIRES PER YEAR BY DAY

MONTH	DAY	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
SEPTEMBER	1	0.5	8.5	1.0	0.8	0.7	1.5	2.3	3.0	0.3	0.3	19.0	0.27
	2	1.5	7.8	0.7	0.5	0.2	0.8	4.8	2.3	0.2	0.0	18.8	0.26
	3	0.5	6.2	0.3	1.3	0.5	0.8	4.3	2.5	0.3	0.2	17.0	0.24
	4	0.2	6.7	0.2	1.0	0.7	0.7	3.3	4.5	0.0	0.2	17.3	0.24
	5	0.3	7.7	0.8	0.2	0.5	0.2	1.5	1.5	0.0	0.2	12.8	0.18
	6	0.5	11.0	0.5	0.5	1.7	0.3	2.8	2.3	0.8	0.0	20.5	0.29
	7	0.2	8.7	0.3	0.7	0.5	0.7	3.5	1.7	0.3	0.3	16.8	0.23
	8	0.5	6.5	1.5	0.5	0.3	0.7	3.3	1.0	0.5	0.0	14.8	0.21
	9	0.3	8.3	0.8	0.5	1.0	0.3	2.2	0.5	0.2	0.5	14.7	0.20
	10	0.2	15.5	0.7	0.8	0.2	1.2	2.0	0.2	0.3	0.3	21.3	0.30
	11	0.2	5.3	0.5	0.8	0.0	1.0	3.3	1.5	0.2	0.0	12.8	0.18
	12	0.7	7.0	0.5	0.7	0.3	0.8	1.7	1.3	0.2	0.0	13.2	0.18
	13	0.2	4.5	0.3	1.2	0.3	0.7	1.2	1.8	0.0	0.8	11.0	0.15
	14	0.5	2.2	0.0	0.3	0.2	0.7	3.5	1.0	0.3	1.0	9.7	0.13
	15	1.0	5.7	1.2	0.7	0.0	0.0	2.3	0.8	1.0	0.8	13.5	0.19
	16	0.3	4.2	2.0	1.2	0.0	0.2	2.0	1.3	1.2	0.7	13.0	0.18
	17	0.7	5.5	1.0	0.7	0.7	0.7	2.5	1.2	0.2	0.5	13.5	0.19
	18	0.3	4.5	0.8	0.5	0.3	0.7	2.2	1.7	0.5	0.2	11.7	0.16
	19	0.8	5.0	0.8	1.0	0.3	0.5	3.0	1.5	0.5	0.5	14.0	0.20
	20	1.0	4.2	0.2	1.3	0.3	0.2	1.7	1.3	1.5	0.2	11.8	0.17
	21	1.2	4.5	0.8	0.5	0.3	0.3	2.0	0.7	1.0	0.3	11.7	0.16
	22	0.3	4.8	1.2	0.7	0.5	0.0	2.2	0.5	0.8	0.2	11.2	0.16
	23	0.8	4.3	0.7	0.0	0.3	0.2	1.5	0.8	1.0	0.3	10.0	0.14
	24	0.3	4.2	0.8	0.2	0.5	0.2	0.8	2.0	0.5	0.3	9.8	0.14
	25	0.8	3.3	0.0	0.2	0.3	0.0	1.8	1.3	0.2	0.3	8.3	0.12
	26	0.5	4.5	0.8	0.2	0.5	0.7	2.3	1.3	0.7	0.3	11.8	0.17
	27	0.8	2.7	0.8	0.5	0.0	0.8	1.8	1.0	0.3	0.5	9.3	0.13
	28	0.5	2.7	0.2	0.3	0.2	0.5	0.2	0.7	0.5	0.2	5.8	0.08
	29	0.8	2.3	0.7	0.3	0.3	0.2	0.3	0.3	0.2	0.3	5.8	0.08
	30	0.5	1.7	1.0	0.2	0.0	0.3	1.0	0.2	0.2	0.2	5.2	0.07
TOTAL FOR MONTH		17.0	169.8	21.2	18.2	11.7	15.7	67.5	41.8	13.8	9.7	386.3	5.39

Table 4g

NUMBER OF FIRES PER YEAR BY DAY

MONTH	DAY	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
OCTOBER	1	1.7	0.5	1.0	0.7	0.0	0.2	3.0	2.0	0.2	0.2	9.3	0.13
	2	0.2	1.2	0.5	0.3	0.2	0.0	0.8	0.8	0.0	0.0	4.0	0.06
	3	1.5	1.8	0.8	0.8	0.0	0.2	2.0	0.7	0.7	0.2	8.7	0.12
	4	1.2	1.8	1.7	0.2	0.0	0.0	2.0	1.0	0.5	0.0	8.3	0.12
	5	0.7	1.7	1.3	0.0	0.0	0.2	1.8	0.7	0.5	0.3	7.2	0.10
	6	0.8	0.7	0.3	0.3	0.2	0.0	2.7	0.3	0.7	0.0	6.0	0.08
	7	0.5	0.7	0.7	0.5	0.0	0.2	2.2	0.7	0.3	0.0	5.7	0.08
	8	1.0	1.2	1.8	0.3	0.0	0.0	3.7	1.5	0.2	0.0	9.7	0.13
	9	1.3	1.8	1.5	0.2	0.0	0.2	2.5	0.2	0.0	0.0	7.7	0.11
	10	0.5	0.3	1.7	0.0	0.0	0.0	1.7	0.5	0.3	0.2	5.2	0.07
	11	0.7	0.2	1.3	0.2	0.0	0.2	2.0	0.3	0.2	0.0	5.0	0.07
	12	1.3	1.2	1.3	0.7	0.3	0.0	3.7	0.8	0.7	0.2	10.2	0.14
	13	0.3	0.0	1.5	0.2	0.2	0.0	3.3	1.5	0.3	0.2	7.5	0.10
	14	1.3	0.8	2.3	0.5	0.0	0.3	3.3	1.0	0.2	0.0	9.8	0.14
	15	2.2	0.8	1.2	0.2	0.2	0.5	5.5	1.5	0.3	0.0	12.3	0.17
	16	0.8	0.5	2.3	0.0	0.2	0.5	3.3	2.0	0.3	0.0	10.0	0.14
	17	1.3	0.3	1.2	0.0	0.0	0.0	2.3	1.8	0.3	0.0	7.3	0.10
	18	0.5	0.0	1.3	0.0	0.0	0.8	3.8	5.0	0.5	0.0	12.0	0.17
	19	0.7	0.3	1.3	0.3	0.2	0.8	3.8	3.0	0.2	0.0	10.7	0.15
	20	2.2	0.5	0.7	0.8	0.0	1.0	3.8	3.3	0.0	0.0	12.3	0.17
	21	0.3	0.2	1.0	0.0	0.0	1.2	4.5	3.3	0.7	0.0	11.2	0.16
	22	0.7	0.0	1.7	0.5	0.0	0.8	4.0	4.7	0.5	0.0	12.8	0.18
	23	0.3	0.3	2.0	0.5	0.0	1.3	4.8	5.2	0.0	0.0	14.5	0.20
	24	1.7	0.0	1.0	0.0	0.0	1.0	3.2	2.5	0.2	0.0	9.5	0.13
	25	0.0	0.0	1.2	0.3	0.0	0.3	2.7	3.5	0.3	0.2	8.5	0.12
	26	0.7	0.5	1.2	1.0	0.2	1.0	4.5	1.3	0.2	0.0	10.5	0.15
	27	1.3	0.2	1.0	0.5	0.0	0.5	2.2	3.0	0.3	0.0	9.0	0.13
	28	0.8	0.3	0.2	0.0	0.0	0.3	1.7	1.0	0.7	0.0	5.0	0.07
	29	1.3	0.2	1.2	0.7	0.0	0.2	2.0	0.3	0.2	0.0	6.0	0.08
	30	0.7	0.0	0.7	0.2	0.0	0.3	1.5	2.2	0.2	0.0	5.7	0.08
	31	0.0	0.3	0.3	0.0	0.0	0.0	1.8	0.7	0.0	0.0	3.2	0.04
TOTAL FOR MONTH		28.5	18.3	37.2	9.8	1.5	12.0	90.2	56.3	9.5	1.3	264.7	3.69

Table 5a. Number of Man-caused Fires per Year by Day of the Week.

This table lists the average number of man-caused fires per year by day of the week and province. Totals for Canada and the percent of observations by day are also listed. Figure 2 illustrates the totals for Canada.

Table 5b. Number of Lightning Fires per Year by Day of the Week.

This table gives the average number of lightning fires per year by day of the week and province. Totals for Canada and percent of observations by day are also shown. While the percentages of man-caused and lightning fires add up to 100 percent, the total number of observations is less than one-sixth of the previous totals due to the exclusion of fires of unknown origin.

FIGURE 2. AVERAGE NUMBER OF MAN CAUSED FIRES PER YEAR, BY DAY OF WEEK

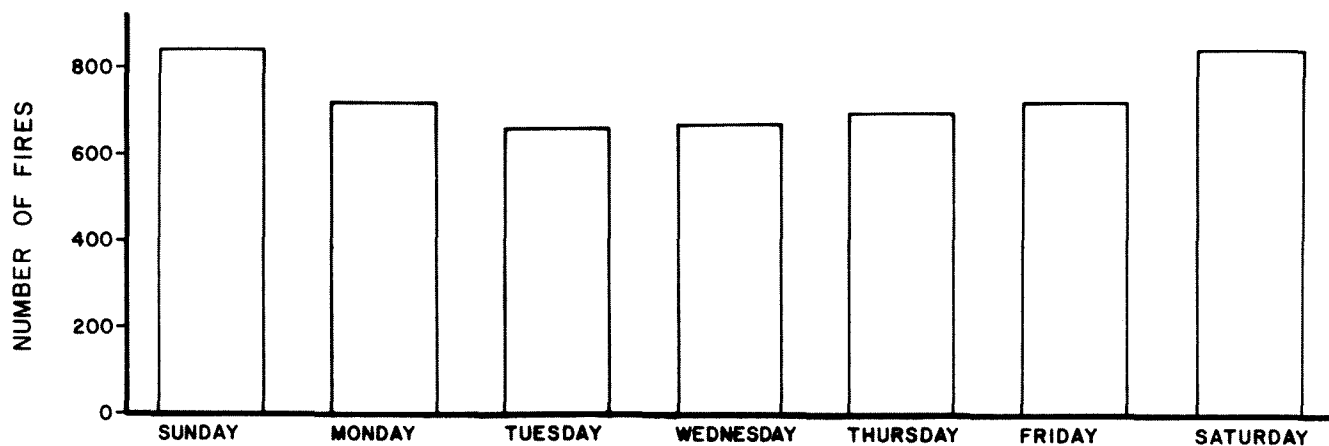


Table 5a

NUMBER OF MAN CAUSED FIRES PER YEAR BY DAY OF THE WEEK

DAY	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
MONDAY	37	194	40	62	21	70	166	102	22	17	731	10.2
TUESDAY	31	173	41	51	20	73	141	84	25	18	657	9.2
WEDNESDAY	31	189	44	57	13	65	142	92	22	12	667	9.3
THURSDAY	30	179	45	59	15	63	166	108	21	16	702	9.8
FRIDAY	34	176	38	65	17	63	179	109	25	17	723	10.1
SATURDAY	41	177	42	93	24	89	214	122	24	14	840	11.7
SUNDAY	42	186	46	73	22	88	216	118	34	18	843	11.8
TOTALS	246	1274	296	460	132	511	1224	735	173	112	5163	72.1

TABLE 5b

NUMBER OF LIGHTNING FIRES PER YEAR BY DAY OF THE WEEK

DAY	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
MONDAY	30	130	10	7	1.0	1.2	52	26	24	15	296	4.1
TUESDAY	28	136	16	7	0.7	0.5	55	36	25	14	318	4.4
WEDNESDAY	26	144	18	6	0.3	0.5	58	39	23	11	326	4.6
THURSDAY	24	113	16	5	0.7	1.2	62	42	17	18	299	4.1
FRIDAY	18	116	23	5	0.5	0.8	58	36	15	10	282	3.9
SATURDAY	22	76	26	6	0.3	3.5	59	30	12	13	242	3.4
SUNDAY	19	92	12	5	0.3	2.0	55	30	18	11	244	3.4
TOTALS	167	807	115	41	4	10	399	239	134	92	2007	27.9

Table 6. General Cause

This table lists the total number of fires by general cause and province. Totals for Canada as well as the percent of fires by general cause are also given. Dividing the totals by six gives the average number of fires per year by general cause. The data in Table 6 are illustrated in Fig. 3a.

Table 7. Specific Cause

This table lists the total number of fires by specific cause and province. Totals for Canada as well as percent of observations by specific cause are also given. Dividing the totals by six gives the average number of fires per year by specific cause. The data in Table 7 are illustrated in Fig. 3b.

Table 8. Type of Person

This table lists the type of person believed to have started fires by province. Totals for Canada as well as the percent of observations for each type of person are also given. Dividing the totals by six yields the average number of fires per year by type of person. The data in Table 8 are illustrated in Fig. 3c.

Table 9. Reported By

This table lists the source of the initial report of forest fires by province. Totals for Canada as well as percent of observations by reporting agency are also given. Dividing the totals by six yields the average number of fires reported each year by each agency. The data in Table 9 are illustrated in Fig. 3d.

FIGURE 3. FOREST FIRE CAUSES

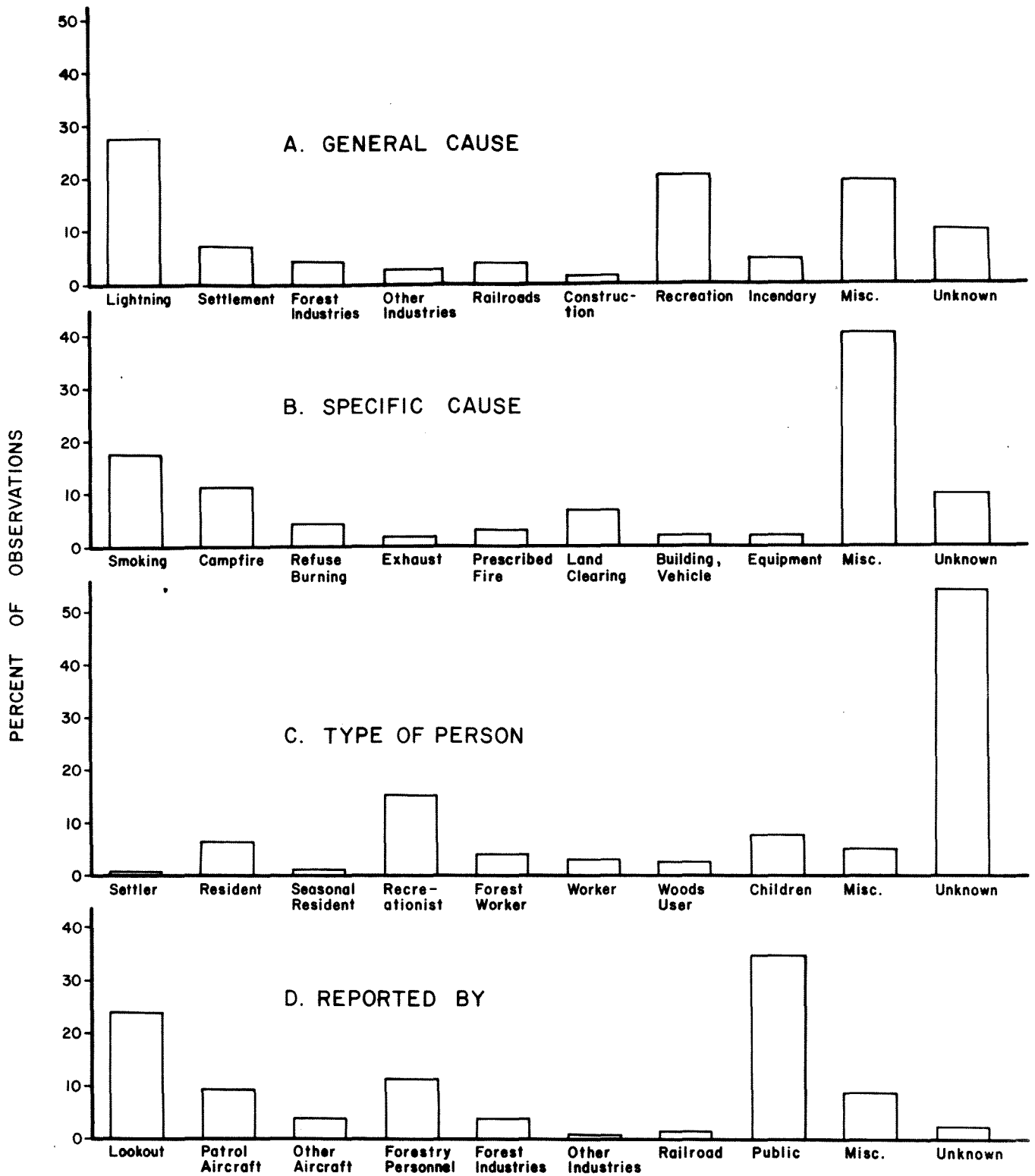


Table 6

GENERAL CAUSE

CAUSE	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
LIGHTNING	1000	4852	691	247	23	58	2395	1435	808	524	12033	27.48
SETTLEMENT	293	0	766	145	168	67	1027	219	255	71	3011	6.88
FOREST INDUSTRIES	77	967	41	95	3	23	88	452	21	10	1777	4.06
OTHER INDUSTRIES	215	177	109	86	14	16	320	54	67	83	1141	2.61
RAILROADS	44	570	36	146	27	178	538	137	7	2	1685	3.85
CONSTRUCTION	66	303	16	22	25	5	17	138	6	16	614	1.40
RECREATION	495	2188	399	211	105	105	3556	1495	262	241	9057	20.68
INCENDARY	317	0	128	469	31	675	193	183	113	5	2114	4.83
MISCELLANEOUS	86	3423	109	1241	103	1899	1475	24	67	60	8487	19.38
UNKNOWN	71	274	203	363	316	177	285	1747	256	185	3877	8.85
TOTALS	2664	12754	2498	3025	815	3203	9894	5884	1862	1197	43796	

Table 7

SPECIFIC CAUSE

CAUSE	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
SMOKING	227	1690	376	428	150	889	2783	915	158	80	7696	17.57
CAMPFIRES	430	1086	506	74	87	97	1483	573	381	314	5031	11.49
REFUSE BURNING	190	577	38	315	19	133	566	119	51	19	2027	4.63
EXHAUST	26	297	20	42	1	182	192	105	13	7	885	2.02
PRESCRIBED FIRES	80	214	49	58	36	146	271	443	42	16	1355	3.09
LAND CLEARING	200	1401	253	297	11	62	378	276	118	13	3009	6.87
BUILDING, VEHICLE	23	229	6	275	1	33	151	42	7	9	776	1.77
EQUIPMENT	1	253	1	146	18	15	177	193	1	2	807	1.84
MISCELLANEOUS	1271	6608	1026	963	140	1075	3519	1640	921	561	17724	40.47
UNKNOWN	216	399	223	427	352	571	374	1578	170	176	4486	10.24
TOTALS	2664	12754	2498	3025	815	3203	9894	5884	1862	1197	43796	

Table 8

TYPE OF PERSON

PERSON	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
SETTLER	0	0	22	4	0	228	4	0	0	15	273	0.62
RESIDENT	66	0	667	208	124	219	961	226	248	42	2761	6.30
SEASONAL RESIDENT	51	0	28	6	0	31	291	84	3	0	494	1.13
RECREATIONIST	0	2004	396	183	113	314	2409	839	258	190	6706	15.31
FOREST WORKER	0	967	33	81	3	71	112	416	18	7	1708	3.90
WORKER	0	0	88	113	71	243	760	108	27	58	1468	3.35
WOODS USER	0	217	124	32	40	70	476	71	75	59	1164	2.66
CHILDREN	14	722	72	480	67	732	942	120	70	50	3269	7.46
MISCELLANEOUS	150	0	99	133	88	117	752	939	30	10	2318	5.29
UNKNOWN	2383	8844	969	1785	309	1178	3187	3081	1133	766	23635	53.97
TOTALS	2664	12754	2498	3025	815	3203	9894	5884	1862	1197	43796	

Table 9

REPORTED BY

SOURCE	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CAN.	% OBS.
LOOKOUT	1062	2655	955	381	196	481	3196	1053	485	130	10594	24.19
PATROL AIRCRAFT	256	1025	382	21	10	144	999	632	347	277	4093	9.35
OTHER AIRCRAFT	147	523	117	23	31	1	409	17	209	196	1673	3.82
FORESTRY PERSONNEL	434	1904	331	104	36	113	572	1087	267	162	5010	11.45
FOREST INDUSTRIES	169	1374	10	13	4	0	3	67	2	0	1642	3.75
OTHER INDUSTRIES	0	100	9	17	12	5	10	4	2	12	171	0.39
RAILROAD	0	395	22	71	15	131	6	4	1	4	649	1.48
PUBLIC	530	1909	633	1256	475	1851	4549	2998	537	369	15017	30.34
MISCELLANEOUS	61	2542	13	1078	3	3	123	0	1	23	3847	8.78
UNKNOWN	5	327	26	61	33	474	27	22	11	24	1010	2.31
TOTALS	2664	12754	2498	3025	815	3203	9894	5884	1862	1197	43796	

Table 10a. Average Number of Man-Caused Fires per 1,000 Square Miles per Day versus the Fire Weather Index (FWI).

This table indicates the expected occurrence frequency for man-caused fires per day per unit area (1,000 mi.²) as a function of the FWI. Individual data for each province are given. To obtain the national average, provincial data were normalized, using the unweighted averages given at the bottom of Table 10a. Normalization was required because of the large differences in occurrence probabilities between provinces. A dash, in this and all subsequent tables, indicates insufficient data. The average occurrence probability for Canada is plotted in Fig. 4.

Table 10b. Average Number of Lightning Fires per 1,000 Square Miles per Day versus the Fire Weather Index (FWI).

This table indicates the expected occurrence frequency for lightning fires per day per unit area (1,000 mi.²) as a function of the FWI. Individual data for each province are given. The national average was obtained in the same way as for Table 10a. The average occurrence probability for Canada is plotted in Fig. 4.

Table 11a. Average Number of Man-Caused Fires per 1,000 Square Miles per Day versus the Fine Fuel Moisture Code (FFMC).

This table indicates the expected occurrence frequency for man-caused fires per day per unit area (1,000 mi.²) as a function of the FFMC. Individual data for each province are given. The national average was obtained in the same way as for Table 10a. The provincial averages given in Tables 10a and 11a are not comparable because they are unweighted data and are obtained from different distributions. The average occurrence probability for Canada is plotted in Fig. 5.

Table 11b. Average Number of Lightning Fires per 1,000 Square Miles per Day versus the Fine Fuel Moisture Code (FFMC).

This table indicates the expected occurrence frequency for lightning fires per day per unit area (1,000 mi.²) as a function of the FFMC. The national average was obtained in the same way as for Table 10a. The provincial averages given in Tables 10b and 11b are not comparable because they are unweighted and are obtained from different distributions. The average occurrence probability for Canada is plotted in Fig. 5.

FIGURE 4. AVERAGE NUMBER OF FIRES PER 1,000 SQUARE MILES PER DAY AS A FUNCTION OF THE FIRE WEATHER INDEX

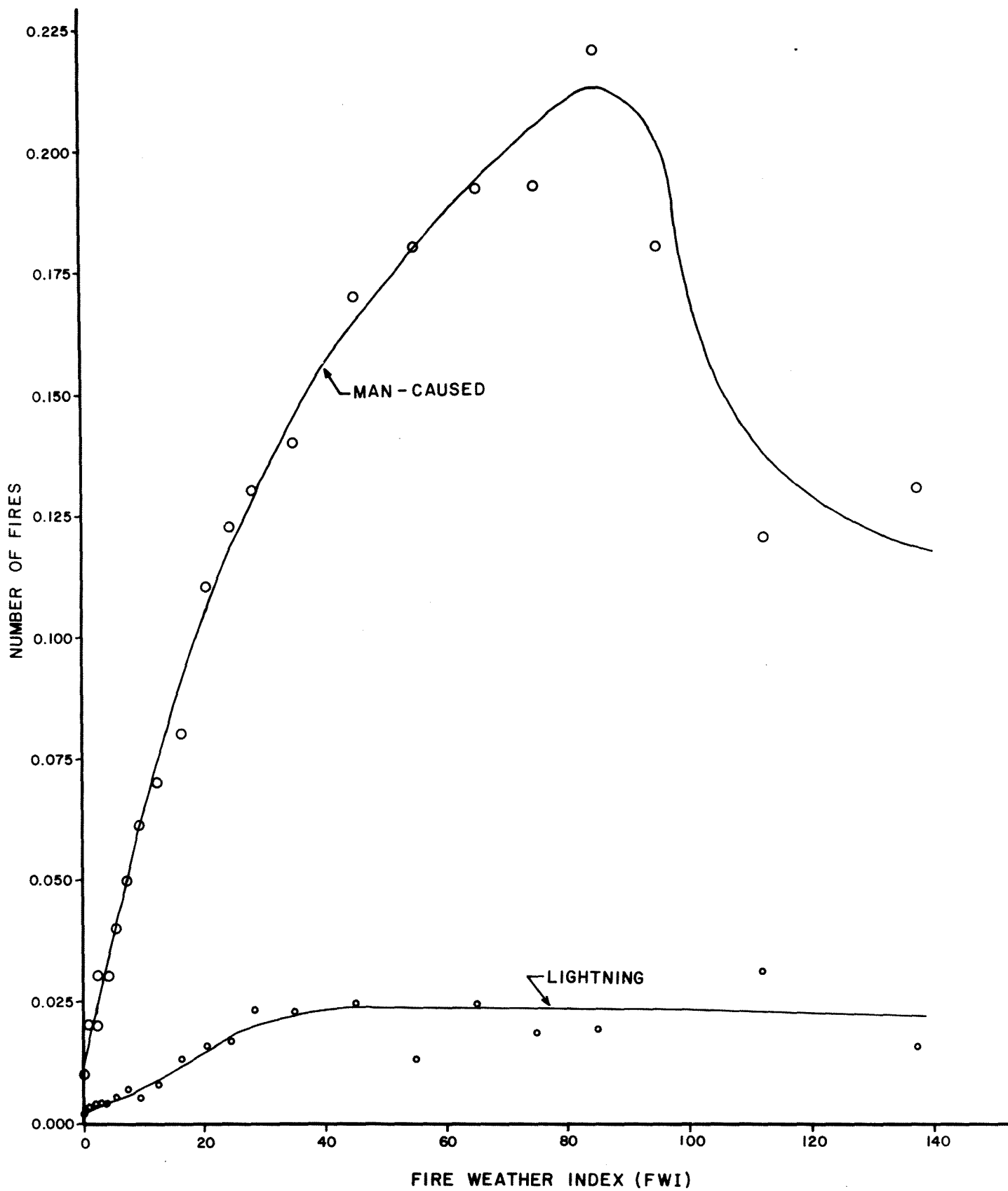


Table 10a

AVERAGE NUMBER OF MAN-CAUSED FIRES PER
1,000 SQUARE MILES PER DAY VERSUS THE FWI

FWI	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CANADA AVERAGE
0	.002	.002	.001	.012	.001	.012	.003	.005	.001	.000	.01
1	.003	.005	.003	.026	.005	.041	.011	.013	.003	.001	.02
2	.002	.006	.004	.046	.012	.064	.017	.013	.004	.001	.02
3	.006	.009	.006	.062	.015	.078	.019	.022	.002	.001	.03
4	.007	.009	.007	.081	.013	.131	.026	.022	.006	.002	.03
5 to 6	.008	.013	.009	.095	.021	.155	.027	.033	.005	.002	.04
7 to 8	.008	.015	.010	.138	.024	.187	.039	.035	.006	.002	.05
9 to 10	.008	.016	.014	.158	.046	.145	.057	.047	.009	.002	.06
11 to 14	.014	.014	.022	.175	.038	.253	.072	.061	.010	.003	.07
15 to 18	.016	.014	.027	.241	.037	.272	.085	.087	.011	.003	.08
19 to 22	.020	.012	.036	.291	.080	.302	.094	.106	.018	.006	.11
23 to 26	.019	.013	.045	.306	.111	.308	.121	.107	.019	.006	.12
27 to 30	.030	.011	.056	.261	.086	.319	.139	.135	.025	.007	.13
31 to 40	.022	.013	.056	.361	.078	.366	.160	.139	.029	.012	.14
41 to 50	.020	.017	.048	.602	.043	.712	.203	.169	.039	.017	.17
51 to 60	.014	.018	.037	.805	.055	.967	.260	.132	.030	.016	.18
61 to 70	.047	.015	.057	.820	-	.410	.209	-	-	.013	.19
71 to 80	.033	.012	.074	-	-	-	.517	.120	.023	-	.19
81 to 90	.023	.025	.059	1.370	-	-	.294	-	-	-	.22
91 to 100	-	.032	.060	-	-	-	.206	-	-	-	.18
101 to 125	-	.017	-	-	-	-	-	-	-	-	.12
126 to 150	-	.019	-	-	-	-	-	-	-	-	.13
AVERAGE	.016	.014	.032	.325	.042	.278	.128	.071	.014	.006	.092

Table 10b

AVERAGE NUMBER OF LIGHTNING FIRES PER
1,000 SQUARE MILES PER DAY VERSUS THE FWI

FWI	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CANADA AVERAGE
0	.001	.001	.001	.004	.000	.001	.002	.004	.001	.000	.002
1	.004	.002	.001	.007	.000	.001	.004	.007	.002	.001	.003
2	.003	.002	.001	.009	.000	.002	.008	.010	.003	.001	.004
3	.003	.002	.003	.010	.000	.001	.009	.009	.002	.001	.004
4	.005	.001	.002	.010	.000	.000	.009	.010	.004	.000	.004
5 to 6	.004	.002	.002	.001	.000	.002	.012	.011	.004	.001	.005
7 to 8	.004	.007	.004	.010	.000	.003	.011	.011	.003	.002	.006
9 to 10	.005	.001	.003	.008	.005	.001	.012	.012	.004	.001	.005
11 to 14	.008	.004	.005	.013	.003	.003	.014	.013	.006	.003	.008
15 to 18	.012	.008	.009	.013	.000	.011	.020	.014	.010	.004	.013
19 to 22	.019	.011	.010	.012	.000	.008	.029	.021	.012	.004	.016
23 to 26	.025	.008	.006	.028	.000	.005	.033	.026	.010	.007	.017
27 to 30	.013	.010	.010	.044	.000	.029	.040	.026	.016	.007	.023
31 to 40	.013	.008	.009	.065	.000	.041	.042	.015	.022	.006	.022
41 to 50	.022	.006	.010	.022	.000	-	.053	.040	.019	-	.024
51 to 60	-	.010	-	.058	.000	-	.030	-	.011	.008	.013
61 to 70	-	.013	-	-	-	-	.060	-	.015	-	.024
71 to 80	-	-	.014	-	-	-	.076	-	-	-	.019
81 to 90	-	.005	.011	-	-	-	.068	-	-	-	.020
91 to 100	-	-	-	-	-	-	-	-	-	-	-
101 to 125	-	.017	-	-	-	-	-	-	-	-	.033
126 to 150	-	.008	-	-	-	-	-	-	-	-	.016
AVERAGE	.009	.006	.006	.020	.000	.008	.028	.015	.008	.003	.012

FIGURE 5. AVERAGE NUMBER OF FIRES PER 1,000 SQUARE MILES PER DAY AS A FUNCTION OF THE FINE FUEL MOISTURE CODE

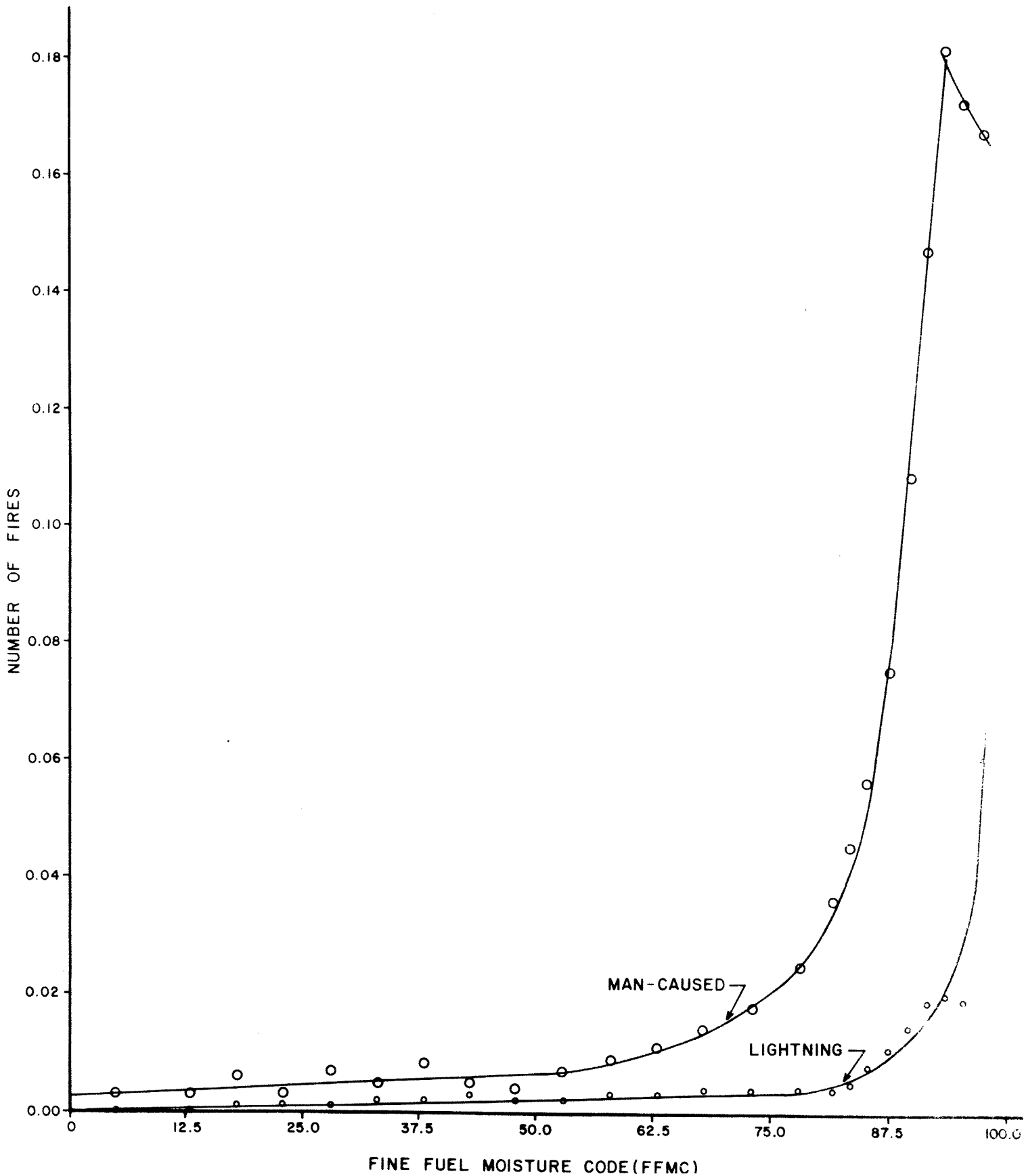


Table 11a

AVERAGE NUMBER OF MAN-CAUSED FIRES PER
1,000 SQUARE MILES PER DAY VERSUS THE FFMC

FFMC	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CANADA AVERAGE
0 to 10	.001	.001	.000	.034	.000	.000	.000	.002	.000	.000	.003
11 to 15	.003	.001	.001	.000	.000	.000	.002	.002	.000	.000	.003
16 to 20	.002	.001	.001	.010	.000	.030	.002	.004	.001	.000	.006
21 to 25	.001	.001	.002	.004	.000	.010	.001	.004	.000	.000	.003
26 to 30	.003	.001	.002	.002	.001	.001	.004	.003	.003	.000	.007
31 to 35	.001	.005	.001	.005	.000	.005	.004	.003	.001	.000	.005
36 to 40	.003	.002	.003	.013	.003	.004	.004	.003	.001	.001	.008
41 to 45	.002	.001	.001	.013	.002	.012	.002	.004	.002	.000	.005
46 to 50	.001	.001	.002	.015	.001	.015	.003	.004	.002	.000	.004
51 to 55	.001	.002	.002	.006	.003	.008	.005	.005	.003	.001	.007
56 to 60	.003	.002	.002	.018	.002	.021	.005	.008	.002	.001	.009
61 to 65	.003	.004	.002	.025	.003	.026	.007	.013	.002	.001	.011
66 to 70	.003	.004	.005	.031	.007	.053	.011	.011	.002	.001	.014
71 to 75	.004	.006	.005	.034	.006	.052	.016	.013	.003	.002	.018
76 to 80	.005	.009	.006	.050	.010	.085	.024	.020	.005	.002	.025
81 to 82	.009	.018	.010	.069	.019	.112	.027	.026	.005	.002	.036
83 to 84	.008	.016	.011	.088	.036	.163	.040	.032	.006	.003	.045
85 to 86	.010	.014	.021	.129	.043	.215	.054	.044	.009	.003	.056
87 to 88	.012	.011	.028	.218	.056	.334	.083	.067	.011	.004	.075
89 to 90	.019	.010	.037	.319	.098	.361	.117	.098	.019	.006	.108
91 to 92	.025	.011	.057	.494	.110	.430	.151	.177	.028	.007	.146
93 to 94	.033	.016	.071	.554	-	1.421	.175	.127	.037	.008	.180
95 to 96	.043	.023	.062	-	-	-	.111	-	.068	-	.170
97 to 98	-	.036	-	-	-	-	-	-	-	-	.166
99 to 100	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	.008	.008	.014	.097	.019	.153	.037	.030	.009	.002	.038

Table 11b

AVERAGE NUMBER OF LIGHTNING FIRES PER
1,000 SQUARE MILES PER DAY VERSUS THE FFMC

FFMC	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CANADA AVERAGE
0 to 10	.000	.002	.000	.000	.000	.000	.000	.003	.000	.000	.000
11 to 15	.000	.001	.000	.000	.000	.000	.001	.003	.000	.000	.000
16 to 20	.000	.001	.000	.000	.000	.000	.002	.007	.000	.000	.001
21 to 25	.000	.001	.000	.000	.000	.000	.003	.006	.000	.000	.001
26 to 30	.002	.000	.000	.005	.000	.001	.003	.005	.000	.000	.001
31 to 35	.001	.000	.000	.006	.000	.002	.003	.008	.001	.000	.002
36 to 40	.000	.001	.001	.005	.000	.002	.003	.008	.001	.000	.002
41 to 45	.001	.001	.001	.007	.000	.003	.006	.004	.003	.001	.003
46 to 50	.001	.001	.001	.013	.000	.000	.001	.004	.001	.000	.002
51 to 55	.002	.002	.001	.002	.000	.000	.004	.006	.002	.000	.002
56 to 60	.003	.002	.001	.008	.000	.002	.005	.007	.001	.001	.003
61 to 65	.004	.002	.002	.009	.000	.001	.006	.008	.003	.000	.003
66 to 70	.004	.002	.002	.008	.000	.001	.008	.009	.003	.001	.004
71 to 75	.002	.002	.002	.006	.000	.001	.010	.008	.003	.001	.004
76 to 80	.003	.002	.002	.006	.000	.002	.009	.009	.004	.001	.004
81 to 82	.006	.001	.002	.007	.000	.001	.009	.011	.003	.001	.004
83 to 84	.003	.002	.004	.005	.003	.002	.010	.010	.004	.001	.005
85 to 86	.007	.010	.005	.012	.000	.004	.013	.012	.004	.003	.008
87 to 88	.007	.005	.008	.016	.002	.009	.018	.012	.007	.003	.011
89 to 90	.012	.005	.009	.028	.003	.011	.027	.019	.014	.005	.015
91 to 92	.026	.008	.009	.026	-	.008	.037	.013	.014	.011	.019
93 to 94	.046	.012	.007	.020	-	-	.015	-	.021	.007	.020
95 to 96	-	.014	-	-	-	-	.024	-	.027	-	.019
97 to 98	-	.064	-	-	-	-	-	-	-	-	.060
99 to 100	-	-	-	-	-	-	-	-	-	-	-
Average	.006	.006	.003	.009	.000	.002	.009	.008	.005	.002	.006

Table 12. Total Number of Fires by Hour of Detection.

This table lists the number of fires detected during each hour of the day by province. Totals for Canada as well as the percentage of observations by hour are also given. Fires with missing data have been deleted from the sample. The data from Table 12 are plotted in Fig. 6.

FIGURE 6. PERCENT OF FIRES BY HOUR OF DETECTION FOR CANADA

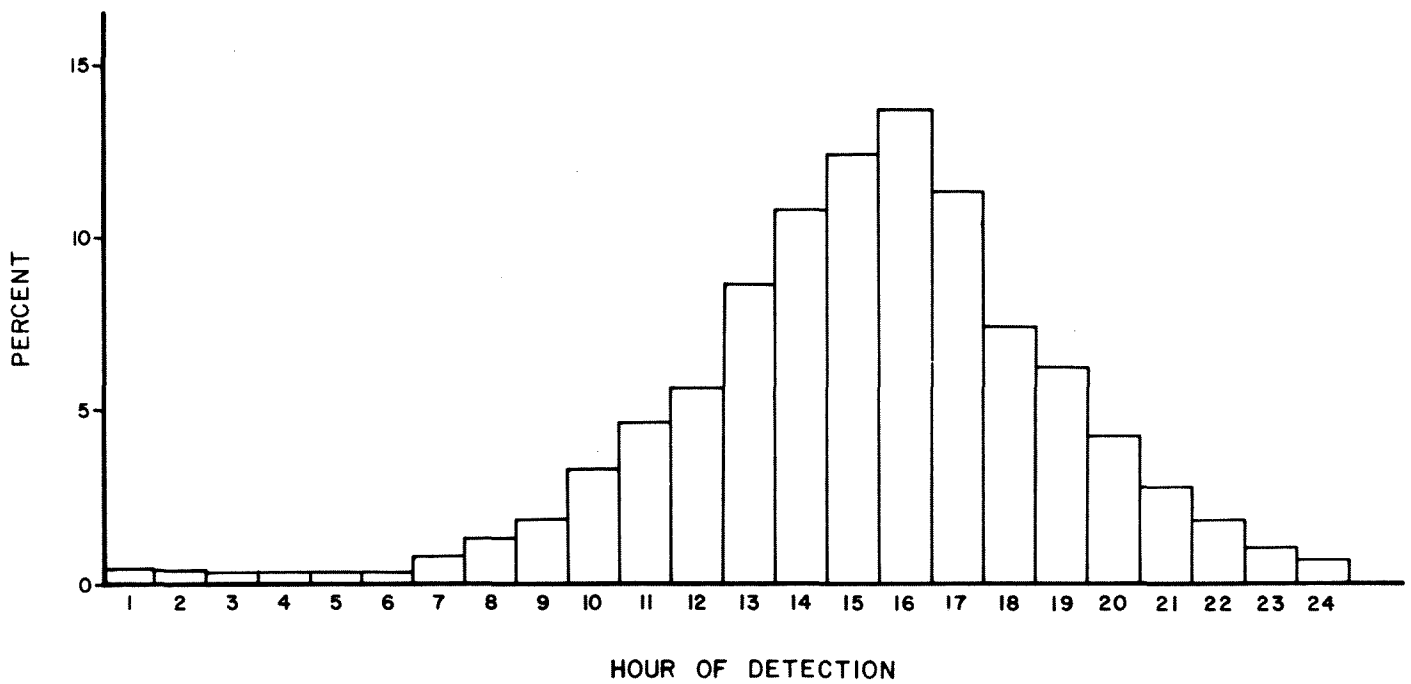


Table 12

TOTAL NUMBER OF FIRES BY HOUR OF DETECTION

HOURL	ALTA.	B.C.	MAN.	N.B.	NFLD.	N.S.	ONT.	QUE.	SASK.	TERR.	CANADA	% OBS.
1	8	81	4	30	3	3	16	16	3	9	173	0.45
2	7	77	5	16	3	4	18	4	3	8	145	0.38
3	6	38	2	8	1	2	15	9	4	4	89	0.23
4	8	53	1	13	1	3	18	9	1	1	108	0.28
5	6	52	0	7	0	2	12	17	4	2	102	0.27
6	6	44	4	7	0	1	29	8	4	0	103	0.27
7	9	181	4	12	1	4	46	24	4	3	288	0.75
8	31	214	13	17	3	3	107	81	9	4	482	1.25
9	49	142	56	30	5	10	210	154	27	27	710	1.84
10	69	356	65	46	14	34	369	245	48	30	1276	3.32
11	98	336	134	111	18	96	518	340	87	52	1790	4.65
12	125	305	149	176	30	140	745	327	94	62	2153	5.60
13	135	475*	194	251	66	207	1036	454	208	306	3332	8.66
14	238	714	277	312	84	326	1316	644	164	72	4147	10.78
15	290	636	367	381	106	421	1477	778	225	110	4791	12.46
16	303	1268	355	418	123	398	1255	791	198	122	5231	13.60
17	228	1024	307	379	112	391	969	655	173	95	4333	11.27
18	208	647	160	250	83	244	608	460	110	76	2846	7.40
19	141	816	133	181	55	158	410	335	80	67	2376	6.18
20	112	525	106	147	38	106	271	223	51	41	1620	4.21
21	75	298	59	97	29	63	162	169	45	46	1043	2.71
22	36	297	34	59	18	52	87	70	31	29	713	1.85
23	13	151	23	42	10	28	47	49	12	11	386	1.00
24	13	72	6	35	12	15	36	22	5	10	226	0.59
TOTAL	2214	8802	2458	3025	815	2711	9777	5884	1590	1187	38,463	100.00

* EST.

Table 13. Fire Area Distributions.

This table lists the distributions of fire area for Canada, in terms of total number of observations and percent of the total by fire area class. The fire size distributions are tabulated at three points in the fire's history: at detection, at the start of suppression, and at control. The total number of observations for Canada is less than that for the previous tables, because fires without data have been deleted from the sample.

Table 13 FIRE AREA DISTRIBUTIONS

AREA (ACRES)	DETECTION AREA		ACTION START AREA		ACTION STOP AREA	
	NO. OF FIRES	PCT. OF TOTAL	NO. OF FIRES	PCT. OF TOTAL	NO. OF FIRES	PCT. OF TOTAL
Spot fires	13675	32.03	15808	45.99	1955	4.47
0.01 TO 0.1	14697	34.42	2829	8.23	15582	35.59
0.1 TO .25	2793	6.54	2273	6.61	3306	7.55
.25 TO 0.5	1025	2.40	1197	3.48	1438	3.28
0.5 TO 1	2231	5.23	2330	6.78	3212	7.34
1 TO 2	2331	5.46	2379	6.92	3870	8.84
2 TO 4	2005	4.70	2291	6.66	4000	9.14
4 TO 6	991	2.32	1150	3.35	1981	4.52
6 TO 8	260	0.61	441	1.28	842	1.92
8 TO 12	738	1.73	735	2.14	1262	2.88
12 TO 16	293	0.69	462	1.34	831	1.90
16 TO 20	37	0.09	106	0.31	255	0.58
20 TO 25	283	0.66	294	0.86	521	1.19
25 TO 30	129	0.30	224	0.65	347	0.79
30 TO 40	186	0.44	262	0.76	506	1.16
40 TO 50	136	0.32	202	0.59	370	0.85
50 TO 60	166	0.39	184	0.54	290	0.66
60 TO 80	106	0.25	199	0.58	355	0.81
80 TO 100	52	0.12	115	0.33	267	0.61
100 TO 150	165	0.39	207	0.60	414	0.95
150 TO 200	63	0.15	117	0.34	269	0.61
200 TO 250	72	0.17	93	0.27	198	0.45
250 TO 300	14	0.03	36	0.10	106	0.24
300 TO 400	53	0.12	77	0.22	200	0.46
400 TO 500	29	0.07	56	0.16	150	0.34
500 TO 600	37	0.09	44	0.13	114	0.26
600 TO 800	30	0.07	56	0.16	165	0.38
800 TO 1000	22	0.05	23	0.07	111	0.25
1000 TO 1200	14	0.03	32	0.09	76	0.17
1200 TO 1600	12	0.03	24	0.07	117	0.27
1600 TO 2000	5	0.01	15	0.04	62	0.14
2000 TO 2500	14	0.03	18	0.05	61	0.14
2500 TO 3000	4	0.01	12	0.03	56	0.13
3000 TO 4000	10	0.02	19	0.06	74	0.17
4000 TO 5000	4	0.01	10	0.03	50	0.11
5000 TO 7500	1	0.00	12	0.03	65	0.15
7500 TO 10 K*	5	0.01	15	0.04	57	0.13
10 K TO 15 K	2	0.00	11	0.03	65	0.15
15 K TO 20 K	0	0.00	7	0.02	34	0.08
20 K TO 30 K	2	0.00	1	0.00	50	0.11
30 K TO 40 K	0	0.00	3	0.01	21	0.05
40 K TO 50 K	1	0.00	0	0.00	17	0.04
50 K TO 75 K	0	0.00	1	0.00	16	0.04
75 K TO 100K	1	0.00	4	0.01	13	0.03
100,000 OR MORE	0	0.00	0	0.00	29	0.07
TOTALS	42694		34374		43780	

* K = 1,000

Table 14. Fire Area Statistics

This table lists the averages, standard deviations, and numbers of observations for fire areas at detection, at the start of suppression, and at control. Data are given by province as well as for Canada.

Table 14
FIRE AREA STATISTICS
(Acres)

PROVINCE	AT DETECTION			AT THE START OF SUPPRESSION			AT CONTROL		
	MEAN	STD. DEV.	NO. FIRES	MEAN	STD. DEV.	NO. FIRES	MEAN	STD. DEV.	NO. FIRES
ALTA.	22	81	1,232	59	360	1,258	278	2,066	1,338
B.C.	7	150	11,683	22	719	11,529	129	2,083	12,754
MAN.	86	1,132	2,388	138	930	2,188	1,666	14,149	2,484
N.B.	2	10	1,482	5	26	1,514	32	814	3,009
NFLD.	-	-	-	-	-	-	1,251	21,817	805
N.S.	-	-	-	-	-	-	12	86	3,199
ONT.	4	57	9,603	16	264	9,631	260	11,408	9,870
QUE.	-	-	-	-	-	-	161	2,859	5,485
SASK.	31	324	1,593	87	585	977	1,850	21,667	1,846
TERR.	183	3,148	1,046	806	6,764	890	2,293	13,712	1,050
CANADA	20	699	29,021	57	1,340	27,987	396	7,838	41,840

Table 15. Event Time Distributions.

This table lists the distributions of time required for the three major fire control activities: travel time, fire suppression time, and mop-up time. Totals for Canada are given for the number of observations and the percent of the total for each time class. Fires with missing data have been deleted from the sample.

Table 15 EVENT TIME DISTRIBUTIONS

TIME (HOURS)	TRAVEL TIME		CONTROL TIME		MOP-UP TIME	
	NO. OF FIRES	PCT. OF TOTAL	NO. OF FIRES	PCT. OF TOTAL	NO. OF FIRES	PCT. OF TOTAL
0.1 TO 0.2	959	3.18	373	1.32	403	1.15
0.2 TO 0.4	3972	13.17	914	3.24	796	2.28
0.4 TO 0.6	4659	15.44	1375	4.88	955	2.73
0.6 TO 0.8	2584	8.57	1208	4.29	554	1.59
0.8 TO 1.2	5074	16.82	3400	12.07	1952	5.59
1.2 TO 1.6	2309	7.65	2258	8.02	1249	3.58
1.6 TO 2.0	1013	3.36	1373	4.87	706	2.02
2.0 TO 2.5	1472	4.88	1966	6.98	1436	4.11
2.5 TO 3.0	902	2.99	1370	4.86	1014	2.90
3 TO 4	1310	4.34	2256	8.01	1996	5.72
4 TO 5	606	2.01	1464	5.20	1300	3.72
5 TO 6	416	1.38	1138	4.04	1037	2.97
6 TO 8	455	1.51	1308	4.64	1269	3.63
8 TO 10	315	1.04	727	2.58	735	2.10
10 TO 12	445	1.48	484	1.72	521	1.49
12 TO 16	1063	3.52	1010	3.59	1196	3.43
16 TO 20	947	3.14	1184	4.20	1935	5.54
20 TO 24	532	1.76	910	3.23	2048	5.87
24 TO 30	348	1.15	847	3.01	2279	6.57
30 TO 36	92	0.30	302	1.07	724	2.07
36 TO 42	118	0.39	285	1.01	956	2.74
42 TO 48	139	0.46	327	1.16	1269	3.63
2.0 TO 2.5 DAYS	105	0.35	390	1.38	1459	4.18
2.5 TO 3.0 DAYS	67	0.22	221	0.78	1201	3.44
3.0 TO 3.5 DAYS	74	0.25	193	0.69	877	2.51
3.5 TO 4.0 DAYS	32	0.11	105	0.37	715	2.05
4.0 TO 4.5 DAYS	40	0.13	133	0.47	574	1.64
4.5 TO 5.0 DAYS	19	0.06	69	0.24	459	1.31
5 TO 6 DAYS	16	0.05	90	0.32	715	2.05
6 TO 7 DAYS	14	0.05	79	0.28	561	1.61
7 TO 8 DAYS	9	0.03	56	0.20	368	1.05
8 TO 10 DAYS	12	0.04	90	0.32	484	1.39
10 TO 12 DAYS	9	0.03	47	0.17	285	0.82
12 TO 14 DAYS	5	0.02	39	0.14	190	0.55
14 TO 16 DAYS	3	0.01	18	0.06	121	0.35
16 TO 20 DAYS	6	0.02	28	0.10	156	0.45
20 TO 25 DAYS	7	0.02	41	0.15	131	0.38
25 TO 30 DAYS	1	0.00	29	0.10	76	0.22
30 TO 40 DAYS	5	0.02	21	0.07	73	0.21
40 TO 50 DAYS	4	0.01	16	0.06	40	0.11
50 TO 60 DAYS	1	0.00	7	0.02	26	0.07
60+ DAYS	7	0.02	19	0.07	78	0.22
TOTALS	30166		28170		34919	

Table 16. Event Time Statistics.

This table lists averages, standard deviations, and numbers of observations for travel time, control time, and mop-up. Data are given by province as well as for Canada.

Table 16
EVENT TIME STATISTICS
(Hours)

PROVINCE	TRAVEL			CONTROL TIME			MOP-UP TIME		
	MEAN	STD. DEV.	NO. FIRES	MEAN	STD. DEV.	NO. FIRES	MEAN	STD. DEV.	NO. FIRES
ALTA.	2.4	7.3	2,206	12	39	2,155	72	122	2,485
B.C.	-	-	-	10	44	6,536	-	-	-
MAN.	3.4	42	2,048	36	158	1,945	91	270	2,033
N.B.	-	-	-	6.9	25	1,218	32	81	1,204
NFLD.	-	-	-	-	-	-	-	-	-
N.S.	-	-	-	5.1	30	2,622	7.1	16	1,177
ONT.	1.3	5.8	9,247	6.5	32	9,106	49	170	9,456
QUE.	-	-	-	-	-	-	-	-	-
SASK.	-	-	-	40	191	998	94	277	964
TERR.	24.4	131	806	41	124	780	63	170	894
CANADA	3.1	30.3	14,307	12	71	25,360	54	162	18,993

Table 17. Elapsed Time Distributions.

This table lists the distributions of the cumulative time from detection to four points in the fire's history: dispatch, action start, under control, and action stop. Totals for Canada are given for the number of observations and the percent of the total for each time class. Fires with missing data have been deleted from the sample.

Table 17

ELAPSED TIME DISTRIBUTIONS

TIME (HOURS)	DISPATCH TIME		ACTION START		CONTROL TIME		ACTION STOP	
	NO. OF FIRES	PCT. OF TOTAL	NO. OF FIRES	PCT. OF TOTAL	NO. OF FIRES	PCT. OF TOTAL	NO. OF FIRES	PCT. OF TOTAL
0 TO 0.2	1707	12.64	840	6.43	1260	5.36	102	0.57
0.2 TO 0.4	4770	35.32	3865	29.59	2535	10.79	463	2.60
0.4 TO 0.6	1579	11.69	2376	18.19	2421	10.30	627	3.53
0.6 TO 0.8	742	5.49	1045	8.00	868	3.69	179	1.01
0.8 TO 1.2	1510	11.18	2055	15.73	3129	13.31	972	5.47
1.2 TO 1.6	637	4.72	760	5.82	1472	6.26	473	2.66
1.6 TO 2.0	229	1.70	265	2.03	668	2.84	167	0.94
2.0 TO 2.5	378	2.80	514	3.94	1620	6.89	634	3.57
2.5 TO 3.0	214	1.58	227	1.74	829	3.53	286	1.61
3 TO 4	310	2.30	312	2.39	1881	8.00	744	4.18
4 TO 5	128	0.95	95	0.73	837	3.56	279	1.57
5 TO 6	80	0.59	86	0.66	755	3.21	301	1.69
6 TO 8	67	0.50	88	0.67	813	3.46	410	2.31
8 TO 10	118	0.87	71	0.54	429	1.83	288	1.62
10 TO 12	221	1.64	52	0.40	323	1.37	255	1.43
12 TO 16	248	1.84	150	1.15	600	2.55	916	5.15
16 TO 20	213	1.58	108	0.83	588	2.50	1261	7.09
20 TO 24	112	0.83	49	0.38	449	1.91	1127	6.34
24 TO 30	73	0.54	36	0.28	459	1.95	1016	5.71
30 TO 36	13	0.10	7	0.05	174	0.74	445	2.50
36 TO 42	19	0.14	14	0.11	155	0.66	945	5.31
42 TO 48	33	0.24	9	0.07	155	0.66	772	4.34
2.0 TO 2.5 DAYS	17	0.13	7	0.05	229	0.97	794	4.46
2.5 TO 3.0 DAYS	19	0.14	4	0.03	114	0.49	862	4.85
3.0 TO 3.5 DAYS	9	0.07	10	0.08	125	0.53	507	2.85
3.5 TO 4.0 DAYS	9	0.07	3	0.02	66	0.28	499	2.81
4.0 TO 4.5 DAYS	7	0.05	6	0.05	76	0.32	329	1.85
4.5 TO 5.0 DAYS	9	0.07	3	0.02	36	0.15	338	1.90
5 TO 6 DAYS	8	0.06	0	0.00	75	0.32	459	2.58
6 TO 7 DAYS	4	0.03	2	0.02	65	0.28	307	1.73
7 TO 8 DAYS	4	0.03	0	0.00	46	0.20	220	1.24
8 TO 10 DAYS	2	0.01	1	0.01	55	0.23	259	1.46
10 TO 12 DAYS	3	0.02	1	0.01	41	0.17	162	0.91
12 TO 14 DAYS	1	0.01	0	0.00	21	0.09	85	0.48
14 TO 16 DAYS	1	0.01	0	0.00	16	0.07	56	0.31
16 TO 20 DAYS	3	0.02	1	0.01	26	0.11	66	0.37
20 TO 25 DAYS	1	0.01	0	0.00	30	0.13	61	0.34
25 TO 30 DAYS	1	0.01	0	0.00	24	0.10	34	0.19
30 TO 40 DAYS	0	0.00	0	0.00	14	0.06	30	0.17
40 TO 50 DAYS	1	0.01	0	0.00	8	0.03	16	0.09
50 TO 60 DAYS	1	0.01	0	0.00	2	0.01	10	0.06
60+ DAYS	6	0.04	0	0.00	11	0.05	27	0.15
TOTALS	13507		13062		23500		17783	

Table 18. Elapsed Time Statistics.

This table lists averages, standard deviations, and numbers of observations for the time of dispatch, action start, under control, and action stop. Data are given by province as well as for Canada.

Table 18

ELAPSED TIME STATISTICS
(HOURS)

PROVINCE	DISPATCH TIME			ACTION START TIME			UNDER CONTROL TIME			ACTION STOP TIME		
	MEAN	STD. DEV.	NO. FIRES	MEAN	STD. DEV.	NO. FIRES	MEAN	STD. DEV.	NO. FIRES	MEAN	STD. DEV.	NO. FIRES
ALTA.	3.3	8.1	2,246	5.4	11	2,380	15	38	2,541	83	140	2,614
B.C.	-	-	-	6.7	15	7,450	15	46	7,809	-	-	-
MAN.	10.8	55	2,017	13.5	67	2,139	44	164	2,215	123	324	2,312
N.B.	-	-	-	2.2	6.7	1,172	8.8	27	1,252	39	99	1,269
NFLD.	-	-	-	-	-	-	-	-	-	19	85	781
N.S.	-	-	-	0.8	2.3	1,860	5.5	29	2,675	8.6	36	2,679
ONT.	3.8	130	9,036	5.0	127	9,414	11	131	9,588	59	216	9,632
QUE.	-	-	-	4.5	36	3,740	-	-	-	52	170	5,681
SASK.	-	-	-	8.1	43	1,185	39	183	1,257	83	140	2,614
TERR.	7.8	19	212	26	130	823	63	185	851	116	256	946
CANADA	4.8	109	13,511	6.3	76	30,163	17	114	28,188	62	173	27,200

Table 19. Cost and Damage Distributions.

This table lists the distributions of suppression cost and forest damage for Canada. The number of observations and percent of the total are listed for each dollar class.

Table 19 COST AND DAMAGE DISTRIBUTIONS

DOLLARS	SUPPRESSION COST		FOREST DAMAGE	
	NO. OF FIRES	% OF TOTAL	NO. OF FIRES	% OF TOTAL
NOT REPORTED	7,333	16.74	32,237	73.59
1 to 20	8,781	20.05	4,455	10.17
20 to 40	5,716	13.05	1,380	3.15
40 to 60	3,119	7.12	673	1.54
60 to 80	2,074	4.74	484	1.11
80 to 100	1,501	3.43	246	0.56
100 to 200	4,546	10.38	880	2.01
200 to 300	2,255	5.15	491	1.12
300 to 400	1,423	3.25	283	0.65
400 to 600	1,616	3.69	400	0.91
600 to 800	1,067	2.44	272	0.62
800 to 1k *	688	1.57	185	0.42
1k to 6k	2,804	6.40	1,126	2.57
6k to 11k	355	0.81	218	0.50
11k to 16k	152	0.35	117	0.27
16k to 21k	87	0.20	54	0.12
21k to 26k	63	0.14	34	0.08
26k to 31k	38	0.09	30	0.07
31k to 41k	44	0.10	34	0.08
41k to 51k	27	0.06	24	0.05
51k to 75k	40	0.09	35	0.08
75k to 100k	27	0.06	34	0.08
100k to 250k	33	0.08	48	0.11
250k to 500k	5	0.01	33	0.08
500k or more	2	0.00	23	0.06
TOTAL	43,796	100.00	43,796	100.00

* K = 1,000

Table 20. Cost and Damage Statistics.

This table lists averages, standard deviations, and numbers of observations for suppression cost, equipment loss, forest damage, and nonforest damage. Data are given by province as well as for Canada.

Table 20

COST AND DAMAGE STATISTICS
(Dollars)

PROVINCE	SUPPRESSION COST			EQUIPMENT LOST			FOREST DAMAGE			NONFOREST DAMAGE		
	MEAN	STD. DEV.	NO. FIRES	MEAN	STD. DEV.	NO. FIRES	MEAN	STD. DEV.	NO. FIRES	MEAN	STD. DEV.	NO. FIRES
ALTA.	2,546	16,294	2,013	-	-	-	-	-	-	-	-	-
B.C.	1,140	10,733	9,214	-	-	-	5,574	48,180	3,398	6,067	14,173	165
MAN.	778	8,444	2,447	-	-	-	8,126	53,614	879	29,458	36,704	27
N.B.	607	9,366	2,907	1,842	9,343	73	3,192	25,438	1,165	6,020	32,999	496
NFLD.	-	-	-	-	-	-	5,058	9,770	24	5,478	10,695	19
N.S.	94	787	2,972	68	115	62	-	-	-	-	-	-
ONT.	674	5,774	9,447	399	1,156	220	3,851	50,958	3,127	9,425	80,718	161
QUE.	1,038	7,952	4,773	659	647	16	2,790	21,345	1,812	1,568	14,638	1,694
SASK.	1,527	8,437	1,647	105	160	27	6,226	32,823	69	2,106	3,672	18
TERR.	1,899	7,934	1,043	345	726	136	7,247	45,586	1,091	712	2,539	224
CANADA	971	8,334	36,463	537	3,574	534	4,789	44,086	11,565	3,302	27,156	2,804

Table 21. Fire-to-Lake Distances.

This table lists average fire-to-lake distances and standard deviations for five lake-length categories. The data are based on a random ten percent sample of all fires. Distances are listed by region and province. The number of observations is also given. See Appendix IV in Simard et al. (1973) for a complete list of region names.

Table 21 AVERAGE DISTANCE TO A USABLE LAKE (MILES)

ALBERTA		<0.5 MI.		<1.0 MI.		<1.5 MI.		<2.0 MI.		<3.0 MI.	
REGION	NO. FIRES	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.
1	18	19.3	15.3	20.8	14.3	48.2	8.6	48.2	8.6	48.2	8.6
2	15	15.4	10.4	15.4	10.4	15.4	10.4	16.9	10.8	17.8	11.2
3	58	8.5	5.8	11.7	7.8	21.2	11.6	21.2	11.6	33.0	12.1
4	61	11.0	7.7	11.8	7.9	18.2	10.7	19.8	12.1	33.0	11.8
5	117	7.6	4.9	9.2	5.9	16.3	8.5	16.5	8.8	21.2	11.8
6	42	2.3	2.1	3.0	2.5	4.1	3.7	4.2	3.8	4.9	4.9
7	115	5.0	4.8	5.8	5.2	11.1	10.4	11.1	10.4	11.7	10.8
8	42	10.4	4.1	12.0	5.7	20.5	11.1	20.5	11.1	34.6	16.0
9	28	6.5	5.9	7.8	6.7	16.3	8.7	17.9	10.3	19.8	11.0
10	52	7.5	5.4	12.4	11.1	31.4	25.4	32.6	26.0	42.0	32.1
12	67	7.5	6.6	8.9	6.9	28.2	13.1	28.6	13.6	32.6	15.1
13	23	7.1	5.2	7.4	5.1	10.7	9.8	14.4	11.1	15.1	11.5
OVERALL	638	7.8	6.8	9.4	7.9	18.6	14.9	19.2	15.2	24.8	18.5

BRITISH COLUMBIA		< 0.5 MI.		< 1.0 MI.		< 1.5 MI.		< 2.0 MI.		< 3.0 MI.	
REGION	NO. FIRES	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.
1	252	6.6	5.7	9.6	9.2	12.8	12.1	14.6	12.8	15.9	13.6
2	423	4.4	4.0	5.5	4.8	7.1	6.0	8.0	6.8	9.2	7.8
3	224	3.8	3.7	3.2	4.1	3.6	4.3	3.9	4.7	4.0	4.7
4	132	5.1	5.0	6.3	5.9	8.6	7.2	8.9	7.3	11.7	9.1
5	196	7.3	6.9	9.6	8.2	11.8	9.1	13.6	10.3	18.2	12.6
OVERALL	1227	5.1	5.2	6.7	7.0	8.6	8.7	9.6	9.5	11.3	11.0

MANITOBA		< 0.5 MI.		< 1.0 MI.		< 1.5 MI.		< 2.0 MI.		< 3.0 MI.	
REGION	NO. FIRES	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.
1	27	13.1	12.8	13.2	12.9	17.3	16.3	17.6	16.1	18.9	17.0
2	45	5.2	5.1	34.6	191.0	7.0	6.4	11.1	10.3	13.0	11.0
3	45	2.8	2.9	3.2	3.0	4.3	4.0	4.8	4.3	5.4	4.4
4	82	1.0	1.2	1.1	1.3	1.5	1.6	1.8	1.9	2.3	2.3
OVERALL	199	4.0	6.7	4.4	7.2	5.5	8.7	6.8	9.7	7.7	10.4

Table 21 Cont.

AVERAGE DISTANCE TO A USABLE LAKE
(MILES)

NEW BRUNSWICK		< 0.5 MI.		< 1.0 MI.		< 1.5 MI.		< 2.0 MI.		< 3.0 MI.	
REGION	NO. FIRES	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.
1	52	8.2	8.5	9.1	9.0	9.3	9.1	9.5	9.3	9.6	9.4
2	52	8.0	7.2	10.6	9.2	11.6	9.6	14.1	11.9	14.8	12.1
3	69	4.8	4.7	5.2	5.4	5.7	6.1	6.9	6.8	6.9	6.8
4	63	3.7	4.6	3.8	4.6	4.0	4.7	4.5	5.5	4.9	5.7
5	14	8.4	5.9	9.8	7.1	10.4	7.2	10.4	7.2	10.4	7.2
OVERALL 250		6.1	6.5	7.0	7.6	7.5	7.9	8.5	9.0	8.8	9.2

NEWFOUNDLAND		< 0.5 MI.		< 1.0 MI.		< 1.5 MI.		< 2.0 MI.		< 3.0 MI.	
REGION	NO. FIRES	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.
1	90	0.8	0.7	0.9	0.8	1.3	1.4	1.4	1.4	1.5	1.5
2	52	1.5	1.4	1.5	1.4	2.1	1.9	2.5	2.9	3.3	3.8
3	24	1.5	1.5	1.5	1.5	1.6	1.5	1.6	1.5	2.0	2.3
4	11	1.5	2.0	1.8	2.0	2.8	2.6	3.5	2.4	4.6	4.0
OVERALL 177		1.1	1.2	1.2	1.2	1.7	1.7	1.9	2.1	2.3	2.8

NOVA SCOTIA		< 0.5 MI.		< 1.0 MI.		< 1.5 MI.		< 2.0 MI.		< 3.0 MI.	
REGION	NO. FIRES	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.
1	57	2.8	1.9	3.1	2.0	5.9	3.4	6.1	3.3	6.7	4.0
2	59	2.1	2.2	2.2	2.3	7.9	5.9	28.5	143.0	29.8	143.0
3	27	4.7	2.5	5.1	2.6	7.3	3.9	7.3	3.9	7.3	3.9
4	13	2.6	2.3	3.0	2.8	4.7	4.6	4.7	4.6	5.2	4.5
5	27	3.7	2.3	5.9	3.8	6.6	4.0	6.8	4.5	17.9	7.3
6	12	5.3	3.9	7.7	5.4	8.3	5.4	8.3	5.4	12.7	9.4
7	134	1.1	1.1	1.2	1.2	4.2	3.7	4.4	4.1	4.5	4.1
8	19	3.8	2.5	3.8	2.5	5.4	3.4	5.4	3.4	5.4	3.4
9	27	2.7	1.6	3.2	2.1	7.6	5.0	8.2	5.0	8.8	5.6
10	8	4.6	3.3	5.6	4.2	5.9	4.6	5.9	4.6	8.2	6.0
11	27	1.9	1.4	2.5	2.0	5.3	3.4	5.3	3.4	7.3	4.6
OVERALL 411		2.4	2.3	2.9	2.8	5.9	4.5	9.0	5.4	10.4	5.5

Table 21 Cont.

AVERAGE DISTANCE TO A USABLE LAKE
(MILES)

ONTARIO		< 0.5 MI.		< 1.0 MI.		< 1.5 MI.		< 2.0 MI.		< 3.0 MI.	
NO. REGION FIRES		AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.
1	15	1.6	1.8	1.6	1.8	2.3	2.1	2.6	2.1	3.9	2.7
2	23	2.9	1.9	4.0	2.3	7.0	6.3	8.4	7.6	13.3	11.0
3	26	2.3	3.8	2.4	4.0	3.6	6.0	3.6	6.0	3.6	6.0
4	18	1.2	0.9	1.4	1.1	2.5	2.1	2.5	2.1	2.5	2.1
5	17	4.0	4.2	4.2	4.2	6.4	5.6	7.3	5.7	7.5	5.9
6	12	5.2	6.1	6.0	5.8	7.7	8.2	9.1	8.7	9.6	8.5
7	76	0.7	0.8	0.8	0.9	0.9	1.1	1.1	1.2	1.4	1.5
8	6	0.4	0.4	0.9	1.3	0.9	1.3	0.9	1.3	1.0	1.4
9	17	4.2	5.9	4.4	5.8	4.7	5.9	5.0	6.0	5.0	6.0
10	50	1.0	1.0	1.1	1.0	1.4	1.1	1.7	1.6	2.4	2.5
11	75	1.3	1.4	1.3	1.5	1.8	1.8	2.1	2.0	2.9	2.9
12	140	0.9	1.0	1.0	1.0	1.7	1.7	1.9	2.0	2.2	2.3
13	68	1.6	1.7	1.7	1.8	3.0	3.5	3.4	3.5	4.0	3.9
14	54	2.5	3.0	2.5	3.0	3.5	3.6	3.8	3.8	4.3	4.1
15	51	1.4	1.4	1.4	1.4	2.2	2.1	2.4	2.4	2.7	2.8
16	55	0.7	1.0	0.8	1.1	1.2	1.4	1.4	1.5	1.9	1.9
17	210	1.6	1.4	1.7	1.4	3.0	2.1	3.3	2.3	4.1	2.9
18	20	2.7	2.4	3.4	2.5	4.7	3.9	5.5	4.3	6.1	4.8
19	79	1.9	1.9	2.1	2.1	3.3	3.6	3.9	3.8	5.2	5.4
20	15	1.0	0.8	1.1	0.9	2.5	3.1	3.1	3.7	4.0	4.3
OVERALL	1027	1.6	2.1	1.7	2.2	2.7	3.2	3.0	3.5	3.7	4.3

QUEBEC		<0.5 MI.		<1.0 MI.		<1.5 MI.		<2.0 MI.		<3.0 MI.	
NO. REGION FIRES		AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.
1	49	3.3	3.0	3.8	3.0	4.4	4.2	5.4	5.2	5.7	5.7
2	18	6.9	4.2	9.2	6.2	13.4	7.8	13.8	8.3	2.1	12.2
3	106	1.6	1.6	2.3	2.0	3.3	2.6	4.8	4.2	7.0	6.1
4	74	1.6	1.7	1.9	1.9	2.8	3.1	3.6	4.3	5.7	6.9
5	48	2.4	1.9	2.8	2.1	4.3	3.3	4.9	3.5	6.9	5.6
6	281	1.5	1.7	2.1	2.2	3.4	2.9	4.5	3.6	7.2	5.9
7	120	2.1	2.4	2.5	2.7	3.0	3.0	3.2	3.0	4.3	4.2
OVERALL	697	2.0	2.2	2.5	2.7	3.6	3.6	4.6	4.3	6.7	6.5

Table 21 Cont.

AVERAGE DISTANCE TO A USABLE LAKE
(MILES)

SASKATCHEWAN		< 0.5 MI.		< 1.0 MI.		< 1.5 MI.		< 2.0 MI.		< 3.0 MI.	
No. REGION FIRES		AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.
1	244	0.8	1.2	0.9	1.3	1.4	1.8	1.7	2.5	2.3	3.1
2	115	3.5	4.4	4.1	5.0	5.6	6.6	6.8	8.5	8.7	10.5
3	25	5.4	3.9	6.1	4.4	8.0	6.1	9.3	7.4	12.7	7.9
OVERALL 384		1.9	3.2	2.2	3.6	3.0	4.8	3.8	6.0	4.9	7.4

TERRITORIES		< 0.5 MI.		< 1.0 MI.		< 1.5 MI.		< 2.0 MI.		< 3.0 MI.	
No. REGION FIRES		AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.	AVG.	DEV.
1	63	4.0	5.5	5.7	9.6	8.7	11.3	9.3	12.5	15.5	20.7
2	6	7.4	8.7	7.4	8.7	7.4	8.7	8.0	8.5	8.0	8.5
3	12	3.7	7.3	3.8	7.3	4.5	7.3	4.5	7.3	4.5	7.3
4	10	7.7	4.5	7.7	4.5	7.7	4.5	8.0	4.4	9.5	6.3
5	7	4.1	2.3	8.0	7.8	13.3	10.4	13.3	10.4	17.8	8.2
6	54	2.4	2.8	2.5	2.9	3.9	4.5	4.1	4.5	4.1	4.5
7	20	5.9	7.9	5.9	7.9	6.8	7.5	7.2	7.6	7.3	7.5
8	20	5.4	6.5	5.4	6.5	7.8	6.8	7.9	6.8	7.9	6.8
9	26	3.0	3.5	3.0	3.5	3.1	3.4	3.2	3.8	3.9	4.2
OVERALL 218		4.0	5.4	4.7	7.0	6.4	8.1	6.7	8.7	8.8	13.1

CANADA		<0.5 MI.		<1.0 MI.		<1.5 MI.		<2.0 MI.		<3.0 MI.	
No. FIRES		AVG.		AVG.		AVG.		AVG.		AVG.	
4,531		3.9		4.9		7.4		8.3		10.1	