

5.—Forest-Fire Losses, by Provinces, 1948 and 1949, with Ten-Year Averages, 1939-48
—concluded

Item	Annual Average 1939-48	1948	1949
Ontario—			
Forest fires..... No.	1,236	2,036	1,834
Area burned..... acres	237,938	1,017,389	60,065
Fire-fighting cost and damage..... \$	1,165,893	5,226,151	1,708,310
Manitoba—			
Forest fires..... No.	320	474	383
Area burned..... acres	239,485	973,486	168,716
Fire-fighting cost and damage..... \$	254,642	1,179,397	377,839
Saskatchewan—			
Forest fires..... No.	180	221	221
Area burned..... acres	230,918	241,332	548,873
Fire-fighting cost and damage..... \$	143,777	261,940	357,451
Alberta—			
Forest fires..... No.	292	177	323
Area burned..... acres	468,696	295,458	1,425,731
Fire-fighting cost and damage..... \$	747,315	283,489	4,551,488
British Columbia—			
Forest fires..... No.	1,554	799	1,701
Area burned..... acres	306,930	384,356	145,549
Fire-fighting cost and damage..... \$	865,107	627,585	561,145
Federal Lands—			
Yukon and Northwest Territories—			
Forest fires..... No.	..	80	36
Area burned..... acres	..	120,877	129,384
Fire-fighting cost and damage..... \$..	201,128	9,742
Other Federal Lands—			
Forest fires..... No.	107	66	147
Area burned..... acres	55,897	44,407	64,988
Fire-fighting cost and damage..... \$	73,038	32,661	72,040

6.—Forest Fires, by Causes, 1948 and 1949, with Ten-Year Averages, 1939-48

Cause	Annual Average 1939-48		1948		1949 ¹		Yukon and Northwest Territories, 1949	
	No.	p.c.	No.	p.c.	No.	p.c.	No.	p.c.
Camp-fires.....	852	16	902	17	1,138	16	15	41
Smokers.....	1,049	20	1,216	23	1,452	21	1	3
Settlers.....	658	12	611	11	752	11	2	6
Railways.....	501	9	627	12	792	11	—	—
Lightning.....	979	19	967	18	1,362	19	9	25
Industrial operations.....	180	3	228	4	242	4	3	8
Incendiary.....	187	4	124	2	209	3	1	3
Public works.....	49	1	83	2	155	2	—	—
Miscellaneous known.....	455	9	324	6	579	8	2	6
Unknown.....	378	7	286	5	365	5	3	8
Totals.....	5,288	100	5,363	100	7,046	100	36	100

¹ Including Newfoundland.

Subsection 3.—Research in Forestry

The planned management of the forests of Canada in order to ensure a sustained yield of forest products is the aspect of forestry receiving the greatest attention in this country to-day. Threatened by diminishing resources, foresters in government, industry and private employ are directing their efforts towards bringing the forests under working plans where sound forestry principles can be practiced.