



NEWFOUNDLAND AND LABRADOR FOREST FIRE STATISTICS

REPORTING YEAR: 2016

VERSION: 012417

Government of Newfoundland and Labrador
Department of Fisheries and Land Resources

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TABLE OF CONTENTS

Introduction.....	4
Reporting Year: 2016	4
Historic Fire Totals - 10 Year Average.....	4
Newfoundland and Labrador Forest Fire Statistics	5
Total Fires.....	5
Area and Forest Type in Hectares (ha)	5
Fire Occurrence	5
Standard Cause Classifications (3 Categories).....	6
Cause of Fire (Known or Suspected)	6
Responsible Group (Known or Suspected).....	6
Means of Ignition (Known or Suspected).....	7
Fires by Month	8
Area Burned by Size	8
Glossary	9

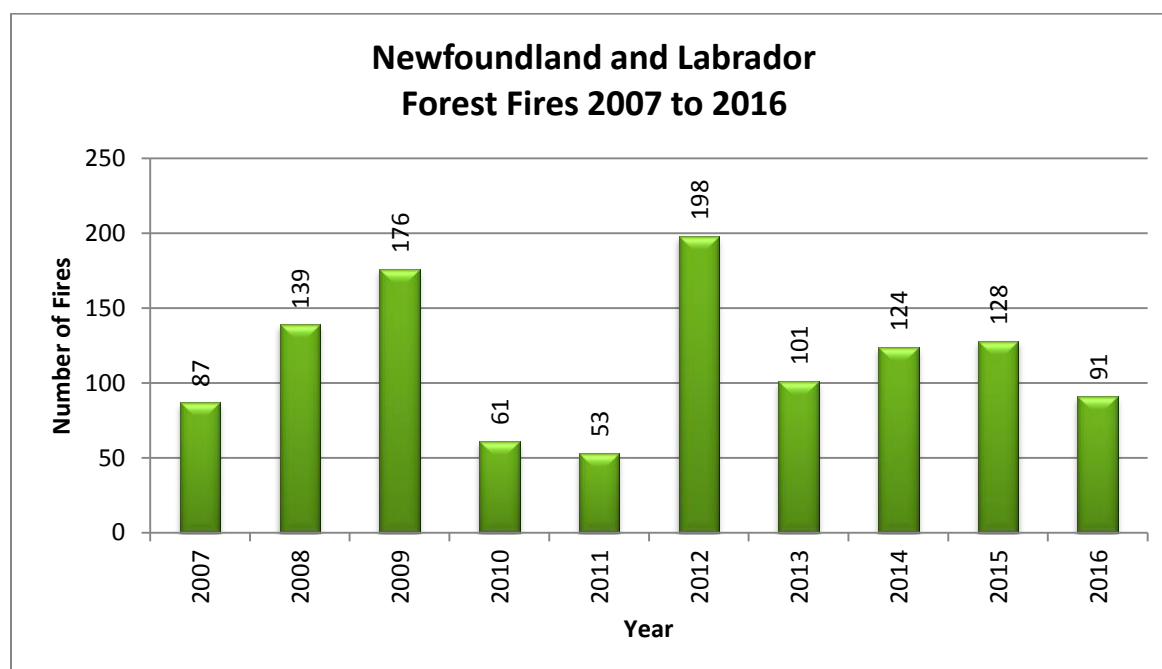
INTRODUCTION

REPORTING YEAR: 2016

In 2016, the fire season began on the island portion of the Province on May 1 and in Labrador on May 15. The season remained in effect until September 30. Although the official season ran from May until September, data collected by the Forest Service, and presented in the following statistics, are for the entire year.

HISTORIC FIRE TOTALS - 10 YEAR AVERAGE

The 2016 Forest Fire Season saw 91 fires burning a total of 10,953.5 hectares, and was slightly below the 10-year average of 116 fires per year.



NEWFOUNDLAND AND LABRADOR FOREST FIRE STATISTICS

TOTAL FIRES

REGION	TOTAL
Eastern	47
Western	27
Labrador	17
Total:	91

AREA AND FOREST TYPE IN HECTARES (HA)

REGION	TOTAL AREA	PRODUCTIVE	NON-PRODUCTIVE
Eastern	59.9	7.3	52.6
Western	290.3	201.2	89.1
Labrador (full response)	9,863.3	120.0	9,743.3
Labrador (modified response)	740.0	82.8	657.2
Total:	10,953.5	411.3	10,542.2

FIRE OCCURRENCE

CAUSE	NUMBER	AREA BURNED (HA)
Lightning	15	10,603.8
Resident	45	31.8
Forest Industry	3	2.4
Other Industrial Operations	5	275.2
Incendiary	1	0.1
Railroad	0	0.0
Recreation	11	35.4
Garbage Dump	0	0.0
Miscellaneous Known	11	4.8
Total:	91	10,953.5

STANDARD CAUSE CLASSIFICATIONS (3 CATEGORIES)

Cause of Fire (Known or Suspected)

	EASTERN	WESTERN	LABRADOR	TOTAL
Lightning	2	0	13	15
Resident	24	19	2	45
Forest Industry	2	1	0	3
Other Industrial Operations	1	4	0	5
Incendiary	0	0	1	1
Railroad	0	0	0	0
Recreation	10	0	1	11
Garbage Dump	0	0	0	0
Miscellaneous Known	8	3	0	11

RESPONSIBLE GROUP (KNOWN OR SUSPECTED)

	EASTERN	WESTERN	LABRADOR	TOTAL
Resident	27	20	3	50
Mischance	3	1	0	4
Recreation	6	0	1	7
Mining Operation	0	0	0	0
Forestry Industry	2	1	0	3
Government Activities	0	0	0	0
Children	4	1	0	5
Industrial Operation	3	4	0	7
**				

** There were 15 lightning fires during the 2016 forest fire season – of which 2 occurred in Eastern region and 13 occurred in Labrador.

MEANS OF IGNITION (KNOWN OR SUSPECTED)

	EASTERN	WESTERN	LABRADOR	TOTAL
Match and/or Lighter	15	13	2	30
Cigarette, Cigar, Pipe	4	3	0	7
Camp Fire	6	0	0	6
Chimney Spark	0	0	0	0
Explosions	0	0	0	0
Power Saw	1	0	0	1
Hydro Wire	2	1	0	3
Vehicle Fire	1	0	1	2
Structural Fire	2	2	0	4
Slash and/or Debris Fire	8	2	0	10
All-Terrain Vehicle	3	0	1	4
Heavy Equipment	1	3	0	4
Lightning	2	0	13	15
Spontaneous Combustion	1	2	0	3
Other	1	1	0	2

FIRES BY MONTH

MONTH	NUMBER OF FIRES	AREA BURNED (HA)
January	0	0.0
February	0	0.0
March	0	0.0
April	6	1.0
May	37	62.3
June	10	279.0
July	26	10,607.4
August	9	3.6
September	2	0.2
October	1	0.0
November	0	0.0
December	0	0.0
Total:	91	10,953.5

AREA BURNED BY SIZE

FIRE SIZE (HA)	NUMBER	AREA BURNED (HA)
Less than or equal to 0.1	45	2.0
0.11 – 1.0	19	9.3
1.1 – 10.0	19	77.7
10.1 – 100.0	4	154.3
100.1 – 1,000.0	3	1,030.2
1000.1 – 10,000.0	1	9,680.0
Greater than 10,000.0	0	0.0
Total:	91	10,953.5

GLOSSARY

Productive Forest Type: Area of Forest capable of producing at least 35 cubic meters per hectare (m^3/ha) at rotation.

Non-Productive Forest Type: Area of Forest that is not capable of producing at least 35 cubic meters per hectare (m^3/ha) at rotation.

Hectare (ha.): The metric unit of area measurement and can be measured as follows:

- 1 hectare = 100 metres by 100 metres or 0.01 km^2
- 1 hectare = 2.47 acres

Full Response Fire: A wildfire which requires immediate, aggressive initial attack and/or sustained suppression action until the fire is declared out.

Modified Response Fire: A wildfire that is allowed to burn within set policy and management guidelines or may be actioned in such a manner as to bring the wildfire back within those guidelines.