



NEWFOUNDLAND AND LABRADOR FOREST FIRE STATISTICS

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Reporting Year: 2013

Government of Newfoundland and Labrador
Department of Natural Resources
Forestry and Agrifoods Agency
Forestry Services Branch

NEWFOUNDLAND AND LABRADOR FOREST FIRE STATISTICS

REPORTING YEAR: 2013

The following statistics were compiled by the Fire Management & Co-ordination Section of the Forest Engineering and Industry Services Division.

TOTAL FIRES

| REGION | TOTAL |
|---------------|------------|
| Eastern | 57 |
| Western | 12 |
| Labrador | 32 |
| Total: | 101 |

AREA AND FOREST TYPE IN HECTARES (HA)

| REGION | TOTAL AREA | PRODUCTIVE | NON-PRODUCTIVE |
|------------------------------|-----------------|-----------------|-----------------|
| Eastern | 62.1 | 7.8 | 54.3 |
| Western | 13.7 | 0.6 | 13.1 |
| Labrador (full response) | 30,507.7 | 23,855.4 | 6,652.3 |
| Labrador (modified response) | 12,492.9 | 2,010.0 | 10,482.9 |
| Total: | 43,076.4 | 25,873.8 | 17,202.6 |

FIRE OCCURRENCE

| CAUSE | NUMBER | AREA BURNED (HA) |
|-----------------------------|------------|------------------|
| Lightning | 16 | 25,970.3 |
| Resident | 67 | 17,090.3 |
| Forest Industry | 0 | 0.0 |
| Other Industrial Operations | 3 | 5.1 |
| Incendiary | 2 | 0.0 |
| Railroad | 0 | 0.0 |
| Recreation | 4 | 1.6 |
| Garbage Dump | 2 | 9.0 |
| Miscellaneous Known | 7 | 0.1 |
| Total: | 101 | 43,076.4 |

STANDARD CAUSE CLASSIFICATIONS (3 CATEGORIES)

CAUSE OF FIRE (Known or Suspected)

| | EASTERN | WESTERN | LABRADOR | TOTAL |
|------------------------------------|---------|---------|----------|-------|
| Lightning | 0 | 0 | 16 | 16 |
| Resident | 47 | 8 | 12 | 67 |
| Forest Industry | 0 | 0 | 0 | 0 |
| Other Industrial Operations | 1 | 0 | 2 | 3 |
| Incendiary | 2 | 0 | 0 | 2 |
| Railroad | 0 | 0 | 0 | 0 |
| Recreation | 4 | 0 | 0 | 4 |
| Garbage Dump | 1 | 0 | 1 | 2 |
| Miscellaneous Known | 2 | 4 | 1 | 7 |

RESPONSIBLE GROUP (Known or Suspected)

| | EASTERN | WESTERN | LABRADOR | TOTAL |
|------------------------------|---------|---------|----------|-------|
| Resident | 37 | 8 | 8 | 53 |
| Mischance | 3 | 3 | 2 | 8 |
| Recreation | 4 | 0 | 0 | 4 |
| Mining Operation | 0 | 0 | 1 | 1 |
| Forestry Industry | 0 | 0 | 0 | 0 |
| Government Activities | 0 | 0 | 0 | 0 |
| Children | 13 | 1 | 4 | 18 |
| Industrial Operation | 0 | 0 | 1 | 1 |
| ** | | | | |

** There were 16 lightning fires during the 2013 forest fire season – all of which occurred in Labrador.

MEANS OF IGNITION (Known or Suspected)

| | EASTERN | WESTERN | LABRADOR | TOTAL |
|---------------------------------|---------|---------|----------|-------|
| Match and/or Lighter | 41 | 3 | 6 | 50 |
| Cigarette, Cigar, Pipe | 2 | 2 | 1 | 5 |
| Camp Fire | 4 | 1 | 4 | 9 |
| Chimney Spark | 0 | 0 | 0 | 0 |
| Explosions | 0 | 0 | 0 | 0 |
| Power Saw | 0 | 0 | 1 | 1 |
| Hydro Wire | 0 | 1 | 0 | 1 |
| Vehicle Fire | 0 | 0 | 1 | 1 |
| Structural Fire | 2 | 2 | 0 | 4 |
| Slash and/or Debris Fire | 2 | 2 | 0 | 4 |
| All-Terrain Vehicle | 1 | 0 | 1 | 2 |
| Heavy Equipment | 0 | 0 | 0 | 0 |
| Lightning | 0 | 0 | 16 | 16 |
| Spontaneous Combustion | 0 | 0 | 2 | 2 |
| Other | 5 | 1 | 0 | 6 |

FIRES BY MONTH

| MONTH | NUMBER OF FIRES | AREA BURNED (HA) |
|---------------|-----------------|------------------|
| January | 0 | 0.0 |
| February | 0 | 0.0 |
| March | 0 | 0.0 |
| April | 7 | 4.9 |
| May | 25 | 28.4 |
| June | 23 | 29,818.0 |
| July | 34 | 13,077.4 |
| August | 9 | 125.1 |
| September | 1 | 0.1 |
| October | 2 | 22.5 |
| November | 0 | 0.0 |
| December | 0 | 0.0 |
| Total: | 101 | 43,076.4 |

AREA BURNED BY SIZE

| FIRE SIZE (HA) | NUMBER | AREA BURNED (HA) |
|---------------------------|------------|------------------|
| Less than or equal to 0.1 | 56 | 1.2 |
| 0.11 – 1.0 | 15 | 7.5 |
| 1.1 – 10.0 | 15 | 72.4 |
| 10.1 – 100.0 | 5 | 125.3 |
| 100.1 – 1,000.0 | 4 | 615.0 |
| 1000.1 – 10,000.0 | 4 | 14,255.0 |
| Greater than 10,000.0 | 2 | 28,000.0 |
| Total: | 101 | 43,076.4 |