

## Statewide 10-Year Average: 547 Fires – 1,182,706 Acres

| Statewide    |              | 2021           | 2020           | 2019             | 2018            | 2017           | 2016           | 2015             | 2014           | 2013             | 2012           | 2011           |
|--------------|--------------|----------------|----------------|------------------|-----------------|----------------|----------------|------------------|----------------|------------------|----------------|----------------|
| Human        | Fires        | 263            | 179            | 364              | 224             | 208            | 324            | 350              | 339            | 389              | 273            | 377            |
|              | Acres        | 9,906          | 308            | 60,269           | 289,833         | 6,897          | 9,640          | 26,653           | 222,899        | 161,082          | 33,813         | 25,235         |
| Lightning    | Fires        | 126            | 168            | 378              | 138             | 154            | 228            | 416              | 54             | 212              | 143            | 138            |
|              | Acres        | 244,508        | 180,945        | 2,525,356        | 3,821,933       | 646,251        | 489,919        | 5,118,227        | 10,631         | 1,158,785        | 253,075        | 267,783        |
| <b>TOTAL</b> | <b>Fires</b> | <b>389</b>     | <b>347</b>     | <b>742</b>       | <b>362</b>      | <b>362</b>     | <b>552</b>     | <b>766</b>       | <b>393</b>     | <b>601</b>       | <b>416</b>     | <b>515</b>     |
|              | <b>Acres</b> | <b>254,500</b> | <b>181,253</b> | <b>2,585,625</b> | <b>4,11,176</b> | <b>653,148</b> | <b>499,560</b> | <b>5,144,880</b> | <b>233,530</b> | <b>1,319,867</b> | <b>286,888</b> | <b>293,018</b> |
| % Fires      | Human        | 68%            | 52%            | 49%              | 62%             | 57%            | 59%            | 46%              | 86%            | 65%              | 66%            | 73%            |
|              | Lightning    | 32%            | 48%            | 51%              | 38%             | 43%            | 41%            | 54%              | 14%            | 35%              | 34%            | 27%            |
| % Acres      | Human        | 4%             | 0%             | 2%               | 7%              | 1%             | 2%             | 1%               | 95%            | 12%              | 12%            | 9%             |
|              | Lightning    | 96%            | 100%           | 98%              | 93%             | 99%            | 98%            | 99%              | 5%             | 88%              | 88%            | 91%            |

## State of Alaska Division of Forestry 10-Year Average: 141 Fires – 145,862 Acres

| State of Alaska |              | 2021          | 2020           | 2019           | 2018          | 2017          | 2016           | 2015             | 2014           | 2013           | 2012          | 2011           |
|-----------------|--------------|---------------|----------------|----------------|---------------|---------------|----------------|------------------|----------------|----------------|---------------|----------------|
| Human           | Fires        | 205           | 154            | 251            | 157           | 141           | 254            | 291              | 288            | 335            | 235           | 312            |
|                 | Acres        | 9,237         | 268            | 25,051         | 28,291        | 1,266         | 5,073          | 23,581           | 198,712        | 4,661          | 17,024        | 24,200         |
| Lightning       | Fires        | 43            | 37             | 172            | 46            | 36            | 100            | 188              | 16             | 112            | 34            | 44             |
|                 | Acres        | 86,568        | 135,658        | 868,090        | 17,745        | 80,082        | 99,769         | 1,055,415        | 3,286          | 586,430        | 9,574         | 121,640        |
| <b>TOTAL</b>    | <b>Fires</b> | <b>248</b>    | <b>191</b>     | <b>423</b>     | <b>203</b>    | <b>177</b>    | <b>354</b>     | <b>479</b>       | <b>304</b>     | <b>447</b>     | <b>269</b>    | <b>356</b>     |
|                 | <b>Acres</b> | <b>95,805</b> | <b>135,927</b> | <b>893,140</b> | <b>46,036</b> | <b>81,347</b> | <b>104,842</b> | <b>1,078,996</b> | <b>201,998</b> | <b>591,091</b> | <b>26,598</b> | <b>145,839</b> |
| % Fires         | Human        | 83%           | 81%            | 59%            | 77%           | 80%           | 72%            | 61%              | 95%            | 75%            | 87%           | 87%            |
|                 | Lightning    | 17%           | 19%            | 41%            | 23%           | 20%           | 28%            | 39%              | 5%             | 25%            | 13%           | 13%            |
| % Acres         | Human        | 10%           | 0%             | 3%             | 61%           | 2%            | 5%             | 2%               | 98%            | 1%             | 64%           | 17%            |
|                 | Lightning    | 90%           | 100%           | 97%            | 39%           | 98%           | 95%            | 98%              | 2%             | 99%            | 36%           | 83%            |

## BLM Alaska Fire Service 10-Year Average: 174 Fires – 846,038 Acres

| Alaska Fire Service |              | 2021           | 2020          | 2019             | 2018           | 2017           | 2016           | 2015             | 2014          | 2013           | 2012           | 2011           |
|---------------------|--------------|----------------|---------------|------------------|----------------|----------------|----------------|------------------|---------------|----------------|----------------|----------------|
| Human               | Fires        | 39             | 9             | 68               | 29             | 53             | 52             | 37               | 23            | 31             | 25             | 38             |
|                     | Acres        | 663            | 13            | 35,207           | 664            | 5,628          | 4,563          | 3,007            | 24,180        | 156,417        | 16,815         | 1,031          |
| Lightning           | Fires        | 82             | 131           | 205              | 92             | 118            | 128            | 224              | 38            | 100            | 109            | 94             |
|                     | Acres        | 158,025        | 45,287        | 1,657,264        | 364,449        | 566,169        | 390,150        | 4,062,107        | 7,345         | 572,355        | 243,473        | 146,143        |
| <b>TOTAL</b>        | <b>Fires</b> | <b>121</b>     | <b>140</b>    | <b>273</b>       | <b>121</b>     | <b>171</b>     | <b>180</b>     | <b>261</b>       | <b>61</b>     | <b>131</b>     | <b>134</b>     | <b>132</b>     |
|                     | <b>Acres</b> | <b>158,688</b> | <b>45,300</b> | <b>1,692,471</b> | <b>365,113</b> | <b>571,798</b> | <b>394,713</b> | <b>4,065,114</b> | <b>31,525</b> | <b>728,772</b> | <b>260,288</b> | <b>147,174</b> |
| % Fires             | Human        | 32%            | 6%            | 25%              | 24%            | 31%            | 29%            | 14%              | 38%           | 24%            | 19%            | 29%            |
|                     | Lightning    | 68%            | 94%           | 75%              | 76%            | 69%            | 71%            | 86%              | 62%           | 76%            | 81%            | 71%            |
| % Acres             | Human        | 0%             | 0%            | 2%               | 0%             | 1%             | 1%             | 0%               | 77%           | 21%            | 6%             | 1%             |
|                     | Lightning    | 100%           | 100%          | 98%              | 100%           | 99%            | 99%            | 100%             | 23%           | 79%            | 94%            | 99%            |

## U.S. Forest Service 10-Year Average: 26 Fires – 87 Acres

| U.S. Forest Service |              | 2021      | 2020      | 2019      | 2018      | 2017      | 2016      | 2015       | 2014      | 2013      | 2012      | 2011      |
|---------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|
| Human               | Fires        | 19        | 16        | 45        | 38        | 14        | 18        | 22         | 28        | 23        | 13        | 27        |
|                     | Acres        | 6         | 27        | 11        | 28        | 3         | 4         | 65         | 6         | 4         | 2         | 5         |
| Lightning           | Fires        | 1         | -         | 1         | -         | -         | -         | 4          | -         | -         | -         | -         |
|                     | Acres        | 0         | -         | 3         | -         | -         | -         | 705        | -         | -         | -         | -         |
| <b>TOTAL</b>        | <b>Fires</b> | <b>20</b> | <b>16</b> | <b>46</b> | <b>38</b> | <b>14</b> | <b>18</b> | <b>26</b>  | <b>28</b> | <b>23</b> | <b>13</b> | <b>27</b> |
|                     | <b>Acres</b> | <b>6</b>  | <b>27</b> | <b>14</b> | <b>28</b> | <b>3</b>  | <b>4</b>  | <b>770</b> | <b>6</b>  | <b>4</b>  | <b>2</b>  | <b>27</b> |
| % Fires             | Human        | 95%       | 100%      | 98%       | 100%      | 100%      | 100%      | 85%        | 100%      | 100%      | 100%      | 100%      |
|                     | Lightning    | 5%        | 0%        | 2%        | 0%        | 0%        | 0%        | 15%        | 0%        | 0%        | 0%        | 0%        |
| % Acres             | Human        | 98%       | 100%      | 79%       | 100%      | 100%      | 100%      | 8%         | 100%      | 100%      | 100%      | 18%       |
|                     | Lightning    | 2%        | 0%        | 21%       | 0%        | 0%        | 0%        | 92%        | 0%        | 0%        | 0%        | 0%        |

# Alaska

## Fire Numbers

# 2021

## 389 Fires

252 Human-Caused  
126 Lightning-Caused  
11 Undetermined

## 254,500 Acres

9,893 Human-Caused  
244,593 Lightning-Caused  
14 Undetermined

## FIRE ACTIVITY BY PROTECTING AGENCY

| Agency       | Fires      | Acres          |
|--------------|------------|----------------|
| AFS          | 121        | 158,688        |
| STATE        | 248        | 95,805         |
| USFS         | 20         | 7              |
| <b>TOTAL</b> | <b>388</b> | <b>254,500</b> |

## ACRES BURNED BY LANDOWNERSHIP

| Landowner                      | Fires | Acres |
|--------------------------------|-------|-------|
| Alaska Native Claims Act Lands | 43    | 38.5k |
| Borough & City                 | 11    | 1.9k  |
| Bureau of Indian Affairs       | 3     | 275.9 |
| Bureau of Land Management      | 32    | 22.1k |
| Department of Defense          | 31    | 537.9 |
| National Park Service          | 12    | 61k   |
| Other Federal Lands            | 1     | -     |
| Private                        | 128   | 1.5k  |
| State                          | 92    | 87.9k |
| U.S. Fish & Wildlife Service   | 22    | 39.9k |
| U.S. Forest Service            | 14    | 2.3   |

## 10 LARGEST FIRE SEASONS ON RECORD

| Year | Fires | Acres     |
|------|-------|-----------|
| 2004 | 701   | 6,590,140 |
| 2015 | 768   | 5,111,452 |
| 1957 | 391   | 5,049,661 |
| 1939 | 200   | 5,000,000 |
| 2005 | 624   | 4,649,597 |
| 1940 | 130   | 4,500,000 |
| 1969 | 685   | 4,231,820 |
| 1941 | 138   | 3,654,774 |
| 1990 | 750   | 3,189,079 |
| 2009 | 516   | 2,934,608 |

# A S C E O T

95 Fixed Wing Orders  
62 Helicopter Orders  
17 TFRs

51 Smokejumper Loads

101 Crew Orders

1 Engine, Strike Team Order  
73 Engine Orders  
24 Dozer Orders

3,580 Filled Orders  
1,157 Overhead  
849 from AK  
308 from L-48

Ak Type 2 Team – 1 Assignment in AK  
AK Type 1 Team – 3 Assignments L-48

# RESOURCES

## BLM Alaska Fire Service

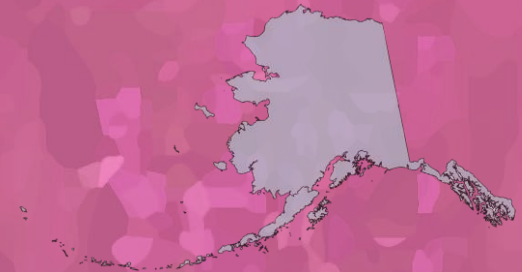
| Zone          | Totals     |                | 10-Year Average |                |
|---------------|------------|----------------|-----------------|----------------|
|               | Fires      | Acres          | Fires           | Acres          |
| Galena        | 42         | 25,254         | 66              | 213,442        |
| Military      | 30         | 538            | 31              | 34,332         |
| Tanana        | 13         | 70,770         | 42              | 434,106        |
| Upper Yukon   | 36         | 62,127         | 35              | 164,157        |
| <b>TOTALS</b> | <b>121</b> | <b>158,688</b> | <b>174</b>      | <b>846,038</b> |

## State of Alaska Division of Forestry

| Area          | Totals     |               | 10-Year Average |                |
|---------------|------------|---------------|-----------------|----------------|
|               | Fires      | Acres         | Fires           | Acres          |
| Anch/Mat-Su   | 85         | 27            | 92              | 1,752          |
| Copper River  | 10         | 4             | 23              | 5,273          |
| Delta         | 8          | 8             | 22              | 9,646          |
| Fairbanks     | 48         | 55,533        | 65              | 23,945         |
| Kenai/Kodiak  | 6          | 190           | 25              | 16,967         |
| Southwest     | 18         | 9,337         | 66              | 103,652        |
| Tok           | 17         | 30,706        | 35              | 154,758        |
| <b>TOTALS</b> | <b>248</b> | <b>95,805</b> | <b>141</b>      | <b>145,862</b> |

## USDA Forest Service

| Forest        | Totals    |          | 10-Year Average |           |
|---------------|-----------|----------|-----------------|-----------|
|               | Fires     | Acres    | Fires           | Acres     |
| Chugach N.F.  | 4         | 0        | 7               | 79        |
| Tongass N.F.  | 16        | 7        | 18              | 10        |
| <b>TOTALS</b> | <b>20</b> | <b>7</b> | <b>26</b>       | <b>89</b> |



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\*Number of fires reflects land ownership at origin. These are acre totals burned by landowner. Data compiled from fire perimeters - subject to change.

WILDFIRES BY CAUSE

| Cause                               | All Fires |           | State Protection |          | AFS Protection |           | USFS Protection |       |
|-------------------------------------|-----------|-----------|------------------|----------|----------------|-----------|-----------------|-------|
|                                     | Fires     | Acres     | Fires            | Acres    | Fires          | Acres     | Fires           | Acres |
| Campfire                            | 21        | 2,189.6   | 21               | 2,189.6  | -              | -         | -               | -     |
| Debris Burning                      | 12        | 3,603.2   | 12               | 3,603.2  | -              | -         | -               | -     |
| Equipment                           | 26        | 5.1       | 26               | 5.1      | -              | -         | -               | -     |
| Firearms and Explosives Use         | 34        | 552.5     | 4                | 15.0     | 30             | 537.5     | -               | -     |
| Fireworks                           | 5         | 2.9       | 5                | 2.9      | -              | -         | -               | -     |
| Incendiary                          | 2         | 2.9       | 2                | 2.9      | -              | -         | -               | -     |
| Lightning                           | 127       | 244,595.3 | 44               | 86,568.5 | 82             | 158,026.7 | 1               | 0.1   |
| Miscellaneous                       | 121       | 175.4     | 95               | 43.6     | 9              | 125.5     | 17              | 6.3   |
| Powerline                           | 14        | 1.4       | 14               | 1.4      | -              | -         | -               | -     |
| Smoking                             | 2         | 0.6       | -                | -        | -              | -         | -               | -     |
| Investigated but cause undetermined | 25        | 3,375.2   | 23               | 3,374.7  | -              | -         | 2               | 0.5   |