# National Interagency Coordination Center Incident Management Situation Report Sunday, August 4, 2019 - 0530 MT <br> National Preparedness Level 2 

National Fire Activity
Initial attack activity:
Light (145 new fires)
New large incidents:
5
Large fires contained:
3
Uncontained large fires:**
17
Area Command teams committed: 0
NIMOs committed:
2
Type 1 IMTs committed:
1
Type 2 IMTs committed:
4
Nationally, there are 76 large fires being managed under a strategy other than full suppression.
**Uncontained large fires include only fires being managed under a full suppression strategy.
Link to Geographic Area daily reports.
Link to Understanding the IMSR.
One RC-26 aircraft with Distributed Real-Time Infrared (DRTI) capability and support personnel from the 141st Air Refueling Wing (Washington Air National Guard) have been deployed to Fairbanks, AK in support of wildland fire operations in Alaska.

| Active Incident Resource Summary |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| GACC | Incidents | Cumulative <br> Acres | Crews | Engines | Helicopters | Total <br> Personnel |
| AICC | 11 | $1,152,708$ | 29 | 1 | 5 | 903 |
| NWCC | 10 | 26,362 | 81 | 103 | 42 | 2,587 |
| ONCC | 3 | 14,935 | 9 | 60 | 3 | 554 |
| OSCC | 7 | 974 | 19 | 32 | 4 | 668 |
| NRCC | 11 | 21,129 | 24 | 49 | 21 | 1,152 |
| GBCC | 13 | 17,054 | 12 | 41 | 5 | 503 |
| SWCC | 10 | 30,724 | 8 | 21 | 3 | 383 |
| RMCC | 3 | 758 | 4 | 2 | 0 | 84 |
| EACC | 0 | 0 | 0 | 0 | 0 | 0 |
| SACC | 3 | 6,991 | 0 | 6 | 0 | 35 |
| Total | $\mathbf{7 1}$ | $\mathbf{1 , 2 7 1 , 6 3 8}$ | $\mathbf{1 8 6}$ | $\mathbf{3 1 5}$ | $\mathbf{8 3}$ | $\mathbf{6 , 8 6 9}$ |

## Northwest Area (PL 2)

| New fires: | 16 |
| :--- | :---: |
| New large incidents: | 0 |
| Uncontained large fires: | 4 |
| NIMOs committed: | 1 |
| Type 1 IMTs committed: | 1 |
| Type 2 IMTs committed: | 2 |

Williams Flats, Colville Agency, BIA. IMT 2 (NW Team 8). Five miles southeast of Keller, WA. Timber, brush and tall grass. Active fire behavior with torching and short-range spotting. Structures threatened. Evacuations, area and road closures in effect.

MP 97, South Unit, Oregon DOF. IMT 1 (ODF Team 3). One mile south of Canyonville, OR. Timber. Moderate fire behavior with torching, running and smoldering. Numerous residences threatened.

Devore Creek, Okanogan-Wenatchee NF. NIMO (Phoenix). Three miles southwest of Stehekin, WA. Timber and brush. Moderate fire behavior with creeping, single tree torching and backing. Trail closures in effect.

Left Hand, Okanogan-Wenatchee NF. IMT 2 (NW Team 7). Seventeen miles northwest of Naches, WA. Timber and hardwood litter. Minimal fire behavior with creeping and smoldering. Numerous structures threatened. Area, road and trail closures in effect.

E Evans Creek Fire, Medford Unit, Oregon DOF. Ten miles northwest of Sams Valley, OR. Timber, chaparral and brush. No new information.

| Incident Name | Unit | Size |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Williams Flats | WA-COA | 1,540 | 0 | 0 | Ctn | 8/16 | 155 | 91 | 4 | 3 | 6 | 0 | 350K | BIA |
| MP 97 | OR-732S | 13,119 | 34 | 50 | Ctn | 8/18 | 1,371 | -143 | 49 | 42 | 18 | 0 | 14.9M | ST |
| Devore Creek | WA-OWF | 180 | 0 | 0 | Comp | 11/30 | 83 | -2 | 2 | 0 | 3 | 0 | 569K | FS |
| Left Hand | WA-OWF | 3,406 | 0 | 85 | Ctn | 8/15 | 488 | -110 | 11 | 23 | 7 | 0 | 7.6M | FS |
| E Evans Creek Fire | OR-711S | 350 | --- | 10 | Ctn | 8/15 | 208 | --- | 6 | 13 | 7 | 1 | 750K | ST |
| Sulphur | WA-WFS | 1,050 | 50 | 100 | Ctn | --- | 0 | 0 | 0 | 0 | 0 | 0 | 75K | PRI |

Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned

| Kusshi Creek | WA-YAA | 953 | 0 | 90 | Comp | $8 / 6$ | 81 | 0 | 2 | 8 | 1 | 0 | $950 K$ | BIA |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

WFS - Washington State Fire Marshal's Office YAA - Yakama Agency, BIA

## Northern Rockies (PL 2)

New fires:
31
New large incidents:
Uncontained large fires:
Type 2 IMTs committed:

North Hills, Central Land Office, Montana DNR. Transfer of command from IMT 2 (NR Team 3) back to the local unit will occur tomorrow. IMT will still be managing the Nevada Creek incident. Started on BLM land 12 miles north of Helena, MT. Timber and medium logging slash. Minimal fire behavior with smoldering and creeping. Precipitation occurred over the fire area yesterday.

Nevada Creek, Helena-Lewis and Clark NF. Ten miles southwest of Lincoln, MT. Timber and light logging slash. Moderate fire behavior with isolated torching and backing. Residences threatened. Area, road and trail closures in effect.

Beeskove, Lolo NF. Eight miles northeast of Missoula, MT. Timber. Minimal fire behavior with creeping and backing. Area and trail closures in effect.

Ridgetop, Petroleum County. Fifty-five miles north of Winnett, MT. Timber, brush and short grass. Extreme fire behavior. Structures threatened.

* Lick Creek, Idaho Panhandle NF. Started on private land six miles southwest of Avery, ID. Timber and heavy logging slash. Active fire behavior with torching, uphill runs and spotting. Area closures in effect.

| Incident Name | Unit | Size |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| North Hills | MT-CES | 5,019 | 0 | 90 | Ctn | UNK | 316 | 0 | 3 | 19 | 0 | 0 | 5.7M | BLM |
| Nevada Creek | MT-HLF | 55 | 15 | 0 | Ctn | 9/30 | 105 | 0 | 4 | 0 | 6 | 0 | 500K | FS |
| Beeskove | MT-LNF | 319 | 68 | 0 | Ctn | 8/31 | 251 | 1 | 6 | 0 | 6 | 0 | 2.2M | FS |
| Ridgetop | MT-LG55 | 9,700 | 5,200 | 30 | Ctn | 8/7 | 154 | 59 | 3 | 18 | 1 | 0 | 640K | CNTY |
| * Lick Creek | ID-IPF | 200 | --- | 0 | Ctn | 8/11 | 117 | --- | 4 | 3 | 4 | 0 | 500K | FS |
| Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Barren Hill | ID-NCF | 351 | --- | 0 | Comp | 10/31 | 0 | --- | 0 | 0 | 0 | 0 | 10K | FS |

NCF - Nez-Perce-Clearwater NF

## Alaska Area (PL 2)

| New fires: | 3 |
| :--- | :--- |
| New large incidents: | 0 |
| Uncontained large fires: | 0 |
| NIMOs committed: | 1 |
| Type 2 IMTs committed: | 1 |

Chalkyitsik Complex (4 fires), Upper Yukon Zone, BLM. IMT 2 (AK Green Team). Fifteen miles east of Chalkyitsik, AK. Timber. Minimal fire behavior with backing, creeping and smoldering. Numerous structures threatened. Precipitation occurred over the fire area yesterday.

Cornucopia Complex (9 fires), Upper Yukon Zone, BLM. NIMO (Portland). Twenty-five miles west of Fort Yukon, AK. Timber and brush. Minimal fire behavior with creeping and smoldering. Precipitation occurred over the fire area yesterday.

| Incident Name | Unit | Size |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Chalkyitsik Complex | AK-UYD | 501,629 | 0 | 59 | Comp | 8/31 | 373 | -1 | 13 | 0 | 3 | 2 | 9.8M | N/A |
| Cornucopia Complex | AK-UYD | 93,724 | 0 | 74 | Comp | 8/31 | 224 | 0 | 6 | 0 | 0 | 0 | 9M | N/A |
| Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Swan Lake | AK-KKS | 102,229 | 0 | 80 | Comp | 8/31 | 39 | 0 | 1 | 0 | 1 | 0 | 25.2M | FWS |
| Grouse Creek | AK-TAD | 52,000 | 0 | 55 | Comp | 8/10 | 49 | 0 | 1 | 0 | 1 | 0 | 2.4M | BLM |
| Rainbow 2 | AK-DAS | 19,757 | 0 | 43 | Comp | 12/31 | 117 | 0 | 6 | 0 | 0 | 0 | 2.7 M | ST |
| Garnet Creek | AK-TAD | 8,073 | 0 | 60 | Comp | 8/10 | 0 | 0 | 0 | 0 | 0 | 0 | NR | TRI |


| Incident Name | Unit | Size |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Hess Creek | AK-UYD | 189,369 | 0 | 75 | Comp | 9/1 | 24 | -40 | 0 | 0 | 0 | 3 | 3M | ST |
| Hodatic River | AK-GAD | 11,169 | --- | 0 | Comp | 8/29 | 0 | --- | 0 | 0 | 0 | 0 | 10K | FWS |
| East Stoney River | AK-SWS | 2,246 | --- | 0 | Comp | 9/2 | 0 | --- | 0 | 0 | 0 | 0 | 7K | ST |
| Pete Andrews Creek | AK-SWS | 5,485 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 338K | TRI |
| Jump Peak | AK-SWS | 2,207 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 8K | TRI |
| Beaver | AK-MID | 14,316 | --- | 0 | Comp | 9/30 | 0 | --- | 0 | 0 | 0 | 2 | 345K | PRI |
| Swift Creek | AK-SWS | 3,288 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 9K | ST |
| Chilchitna Headwaters | AK-SWS | 304 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 9K | ST |
| Horn Foothills | AK-SWS | 3,907 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 3K | ST |
| Page Mountain | AK-SWS | 46,897 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 218K | ST |
| Sunshine Mountains | AK-SWS | 21,850 | --- | 8 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 5K | ST |
| Holokuk Ridge | AK-SWS | 447 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 1K | ST |
| Tundra Lake | AK-SWS | 1,051 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 130K | TRI |
| Hoholitna | AK-SWS | 548 | --- | 0 | Comp | 9/30 | 0 | --- | 0 | 0 | 0 | 0 | 2 K | ST |
| Beaver House Hill | AK-SWS | 420 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 3K | TRI |
| Devil's Elbow | AK-SWS | 8,126 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 51K | ST |
| Little Titnuk | AK-SWS | 2,966 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 2 K | ST |
| Door Mountains | AK-SWS | 3,660 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 5K | ST |
| Swift River | AK-SWS | 839 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 4K | ST |
| Molybdenum Mountains | AK-SWS | 659 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 3K | ST |
| Stony River Flats | AK-SWS | 372 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 4K | BLM |
| Aghaluk Creek | AK-SWS | 1,513 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 55K | TRI |
| Iditarod River | AK-SWS | 446 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 2K | BLM |
| Fuller Creek | AK-SWS | 8,549 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 19K | BLM |
| Cotton Village | AK-SWS | 757 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 2K | ST |
| Old Grouch Top | AK-SWS | 307,969 | --- | 0 | Comp | 9/2 | 0 | --- | 0 | 0 | 0 | 0 | 28K | ST |
| Little Kasigluk | AK-SWS | 4,409 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 2K | FWS |
| Chetaslina | AK-CRS | 2,125 | --- | 0 | Comp | 8/30 | 16 | --- | 0 | 0 | 1 | 0 | 168K | NPS |
| Tokaina 2 | AK-CRS | 1,100 | --- | 0 | Comp | 8/31 | 11 | --- | 0 | 0 | 0 | 0 | 60K | ST |
| Garfield Creek | AK-GAD | 414 | --- | 0 | Comp | 8/31 | 0 | --- | 0 | 0 | 0 | 0 | 5K | ST |
| Wolf Creek Mountain | AK-GAD | 674 | --- | 0 | Comp | 8/31 | 0 | --- | 0 | 0 | 0 | 0 | 5K | FWS |
| North River | AK-GAD | 110,451 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | 40K | BLM |
| McArthur Creek | AK-TAS | 25,174 | --- | 1 | Comp | UNK | 0 | --- | 0 | 0 | 0 | 1 | 510K | ST |
| South Fork Buckland River | AK-GAD | 3,237 | --- | 0 | Comp | 9/30 | 0 | --- | 0 | 0 | 0 | 0 | 10K | BLM |
| Kugruk River 1 | AK-GAD | 2,707 | --- | 0 | Comp | 9/1 | 0 | -- | 0 | 0 | 0 | 0 | 15K | BLM |
| Buckland 3 | AK-GAD | 2,338 | --- | 0 | Comp | 9/30 | 0 | --- | 0 | 0 | 0 | 0 | NR | BLM |
| Kateel River | AK-GAD | 1,887 | --- | 0 | Comp | 9/1 | 0 | --- | 0 | 0 | 0 | 0 | NR | BLM |


| Incident Name | Unit | Size |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Koyuk River | AK-GAD | 892 | --- | 0 | Comp | 9/30 | 0 | --- | 0 | 0 | 0 | 0 | NR | BLM |
| East Fork Dennison | AK-TAS | 400 | --- | 0 | Comp | UNK | 0 | --- | 0 | 0 | 0 | 0 | 3K | ST |

KKS - Kenai-Kodiak Area, Alaska DOF TAD - Tanana Zone, BLM DAS - Delta Area, Alaska DOF GAD - Galena Zone, BLM SWS - Southwest Area, Alaska DOF MID - Military Zone, BLM TAS - Tok Area, Alaska DOF

## Great Basin Area (PL 2)

New fires: 32
New large incidents: 3
Uncontained large fires:

CRS - Valdez-Copper River Area, Alaska DOF

* Cove Creek, Salmon-Challis NF. Twenty-seven miles northwest of Salmon, ID. Timber and tall grass.

Extreme fire behavior with crowning, short crown runs and uphill runs.

* Paint Mine, Richfield Field Office, BLM. Four miles north of Nephi, UT. Short grass. Active fire behavior with running.

Alaska, Unita-Wasatch-Cache NF. Three miles southeast of Provo, UT. Brush and grass. Minimal fire behavior with smoldering. Trail closures in effect.

* River Breaks, Richfield Field Office, BLM. Fourteen miles west of Nephi, UT. Short grass. Moderate fire behavior with running.

| Incident Name | Unit | Size |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \text { \$\$ } \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| * Cove Creek | ID-SCF | 115 | --- | 0 | Ctn | 8/31 | 11 | --- | 0 | 1 | 0 | 0 | 50K | FS |
| * Paint Mine | UT-RID | 400 | --- | 20 | Ctn | 8/4 | 19 | --- | 0 | 9 | 0 | 0 | 50K | BLM |
| Alaska | UT-UWF | 489 | 0 | 65 | Ctn | 8/15 | 75 | -32 | 3 | 2 | 0 | 0 | 680K | FS |
| * River Breaks | UT-RID | 341 | --- | 50 | Ctn | UNK | 50 | --- | 1 | 6 | 1 | 0 | 50K | BLM |
| Spud | ID -TFD | 4,889 | 0 | 100 | Ctn | --- | 64 | 16 | 1 | 9 | 1 | 0 | 200K | BLM |
| Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Park Ridge | UT-FIF | 120 | --- | 25 | Comp | 9/15 | 35 | --- | 1 | 1 | 0 | 0 | 120K | FS |
| Peavine Canyon | UT-MLF | 3,904 | --- | 10 | Comp | 8/15 | 91 | --- | 3 | 3 | 0 | 0 | 1.8M | FS |
| Poison Canyon | UT-MLF | 1,105 | --- | 0 | Comp | 8/15 | 32 | --- | 1 | 1 | 0 | 0 | 168K | FS |
| Shady | ID-SCF | 3,931 | --- | 0 | Comp | 10/31 | 24 | --- | 1 | 2 | 0 | 0 | 155K | FS |
| Skull Flat | UT-FIF | 1,630 | --- | 85 | Comp | 9/1 | 5 | --- | 0 | 1 | 0 | 0 | 1.7M | FS |
| Mammoth | UT-MLF | 260 | --- | 10 | Comp | 10/1 | 31 | --- | 1 | 0 | 0 | 0 | 75K | FS |

TFD - Twin Falls District, BLM FIF - Fishlake NF MLF - Manti-La Sal NF

## Northern California Area (PL 2)

New fires:
New large incidents:
Uncontained large fires:

[^0]| Incident Name | Unit | Size |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| * Marsh | CA-SCU | 655 | --- | 75 | Ctn | 8/5 | 355 | --- | 8 | 51 | 3 | 0 | 300K | ST |
| Tucker | CA-MDF | 14,150 | 0 | 100 | Ctn | --- | 189 | -261 | 1 | 7 | 0 | 0 | 3.7M | FS |

MDF - Modoc NF

## Southern California Area (PL 2)

| New fires: | 23 |
| :--- | :---: |
| New large incidents: | 0 |
| Uncontained large fires: | 1 |

Mill, Los Padres NF. Previously reported incident. Five miles east of Lucia, CA. Timber, chaparral and tall grass. Minimal fire behavior with smoldering. Area, road and trail closures in effect.

| Incident Name | Unit | Size |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Mill | CA-LPF | 310 | 30 | 49 | Ctn | 8/5 | 383 | -253 | 12 | 16 | 3 | 0 | 3.6M | FS |

## Southwest Area (PL 2)

| New fires: | 17 |
| :--- | ---: |
| New large incidents: | 0 |
| Uncontained large fires: | 2 |

Museum, Coconino NF. One mile north of Flagstaff, AZ. Timber and logging slash. Minimal fire behavior with smoldering. Area, road and trail closures in effect. Precipitation occurred over the fire area yesterday.

Bagnal, Apache-Sitgreaves NF. One mile east of Show Low, AZ. Timber and brush. No new information.

| Incident Name | Unit | Size |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Museum | AZ-COF | 1,961 | 0 | 93 | Ctn | 8/15 | 78 | -25 | 1 | 3 | 1 | 0 | 9.5M | FS |
| Bagnal | AZ-ASF | 2,243 | --- | 50 | Ctn | 8/5 | 21 | --- | 1 | 2 | 0 | 0 | 45K | FS |
| Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Castle | AZ-KNF | 11,600 | 0 | 59 | Comp | 9/15 | 159 | 7 | 2 | 10 | 1 | 0 | 3.2M | FS |
| Huck | AZ-SCA | 11,784 | --- | 95 | Comp | UNK | 10 | --- | 0 | 2 | 0 | 0 | 150K | BIA |
| Cedar | AZ-TNF | 575 | --- | 90 | Comp | 8/15 | 0 | --- | 0 | 0 | 0 | 0 | 20K | FS |
| White Springs | AZ-FTA | 2,880 | --- | 50 | Comp | 8/15 | 2 | --- | 0 | 0 | 0 | 0 | 500K | BIA |
| Roberts | NM-CIF | 5,020 | --- | 0 | Comp | 8/30 | 4 | --- | 0 | 1 | 0 | 0 | 1.1M | FS |
| Bear | NM-GNF | 832 | --- | 71 | Comp | 8/10 | 0 | --- | 0 | 0 | 0 | 0 | 350K | FS |
| Newman | AZ-COF | 4,907 | --- | 75 | Comp | UNK | 5 | --- | 0 | 0 | 0 | 0 | 1M | FS |
| Black | NM-GNF | 1,235 | --- | 74 | Comp | UNK | 1 | --- | 0 | 0 | 0 | 0 | 40K | FS |
| Skid | NM-GNF | 165 | --- | 41 | Comp | UNK | 1 | --- | 0 | 0 | 0 | 0 | 25K | FS |

KNF - Kaibab NF $\quad$ SCA - San Carlos Agency, BIA $\quad$ TNF - Tonto NF $\quad$ FTA - Fort Apache Agency, BIA CIF - Cibola NF
GNF - Gila NF

Rocky Mountain Area (PL 1)
New fires:
5
New large incidents:
0
Uncontained large fires:
0

| Incident Name | Unit |  |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 441 | CO-SJF | 325 | --- | 10 | Comp | 8/15 | 0 | --- | 0 | 0 | 0 | 0 | 174K | FS |
| Reveille | CO-PSF | 219 | --- | 5 | Comp | 8/30 | 4 | --- | 0 | 0 | 0 | 0 | 2.6M | FS |

SJF - San Juan NF PSF - Pike and San Isabel NF

Fires and Acres Yesterday (by Protection):

| Area |  | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alaska Area | FIRES | 0 | 0 | 0 | 0 | 2 | 1 | $\mathbf{3}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 0 | 0 | $\mathbf{0}$ |
| Northwest Area | FIRES | 2 | 0 | 0 | 1 | 12 | 1 | $\mathbf{1 6}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 8 | 2 | $\mathbf{1 0}$ |
| Northern California Area | FIRES | 0 | 0 | 0 | 0 | 12 | 1 | $\mathbf{1 3}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 242 | 0 | $\mathbf{2 4 2}$ |
| Southern California Area | FIRES | 0 | 1 | 0 | 1 | 18 | 3 | $\mathbf{2 3}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 2 | 150 | $\mathbf{1 5 2}$ |
| Northern Rockies Area | FIRES | 3 | 0 | 1 | 0 | 13 | 14 | $\mathbf{3 1}$ |
|  | ACRES | 15 | 0 | 0 | 0 | 203 | 240 | $\mathbf{4 5 9}$ |
| Great Basin Area | FIRES | 1 | 5 | 0 | 0 | 9 | 17 | $\mathbf{3 2}$ |
|  | ACRES | 0 | 614 | 0 | 0 | 45 | 645 | $\mathbf{1 , 3 0 4}$ |
| Rocky Mountain Area | FIRES | 0 | 1 | 0 | 4 | 0 | 12 | $\mathbf{1 7}$ |
|  | ACRES | 0 | 1 | 0 | 0 | 0 | 52 | $\mathbf{5 3}$ |
| Eastern Area | FIRES | 0 | 1 | 0 | 0 | 2 | 2 | $\mathbf{5}$ |
|  | 0 | 0 | 0 | 0 | 16 | 0 | $\mathbf{1 6}$ |  |
| Southern Area | FIRES | 0 | 0 | 0 | 0 | 0 | 1 | $\mathbf{1}$ |
| TOTAL FIRES: | ACRES | 0 | 0 | 0 | 0 | 0 | 3 | $\mathbf{3}$ |
| TOTAL ACRES: | FIRES | 0 | 0 | 0 | 0 | 4 | 0 | $\mathbf{4}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 88 | 0 | $\mathbf{8 8}$ |
|  | $\mathbf{0}$ | $\mathbf{8}$ | $\mathbf{1}$ | $\mathbf{6}$ | $\mathbf{7 2}$ | $\mathbf{5 2}$ | $\mathbf{1 4 5}$ |  |
|  |  | $\mathbf{1 5}$ | $\mathbf{6 1 5}$ | $\mathbf{0}$ | $\mathbf{0}$ | $\mathbf{6 0 4}$ | $\mathbf{1 , 0 9 3}$ | $\mathbf{2 , 3 2 7}$ |

Fires and Acres Year-to-Date (by Protection):

| Area |  | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alaska Area | FIRES | 0 | 233 | 0 | 0 | 330 | 29 | 592 |
|  | ACRES | 0 | $1,648,765$ | 0 | 0 | 750,599 | 10 | $\mathbf{2 , 3 9 9 , 3 7 4}$ |
| Northwest Area | FIRES | 175 | 96 | 8 | 10 | 778 | 316 | $\mathbf{1 , 3 8 3}$ |
|  | ACRES | 9,679 | 25,355 | 84 | 1 | 2,442 | 2,853 | $\mathbf{4 0 , 4 1 5}$ |
| Northern California Area | FIRES | 13 | 18 | 3 | 2 | 1,416 | 179 | $\mathbf{1 , 6 3 1}$ |
|  | ACRES | 11 | 540 | 23 | 1 | 19,978 | 15,354 | $\mathbf{3 5 , 9 0 8}$ |
| Southern California Area | FIRES | 9 | 62 | 7 | 10 | 2,152 | 207 | $\mathbf{2 , 4 4 7}$ |
|  | ACRES | 97 | 259 | 2,726 | 5 | 13,505 | 3,396 | $\mathbf{1 9 , 9 8 8}$ |
| Northern Rockies Area | FIRES | 576 | 18 | 11 | 2 | 434 | 223 | $\mathbf{1 , 2 6 4}$ |
|  | ACRES | 10,226 | 207 | 1,424 | 0 | 6,498 | 2,251 | $\mathbf{2 0 , 6 0 6}$ |
| Great Basin Area | FIRES | 16 | 409 | 3 | 19 | 484 | 221 | $\mathbf{1 , 1 5 2}$ |
|  | ACRES | 20 | 89,496 | 1 | 8 | 122,038 | 14,108 | $\mathbf{2 2 5 , 6 7 0}$ |
| Southwest Area | FIRES | 532 | 153 | 7 | 24 | 458 | 587 | $\mathbf{1 , 7 6 1}$ |
|  | ACRES | 50,394 | 5,775 | 11 | 1,179 | 21,847 | 250,852 | $\mathbf{3 3 0 , 0 5 8}$ |
| Rocky Mountain Area | FIRES | 172 | 183 | 1 | 9 | 312 | 173 | $\mathbf{8 5 0}$ |
|  | ACRES | 1,343 | 1,337 | 5,048 | 29 | 14,473 | 7,907 | $\mathbf{3 0 , 1 3 8}$ |
| Eastern Area | FIRES | 301 | 0 | 8 | 29 | 3,326 | 271 | $\mathbf{3 , 9 3 5}$ |
|  | ACRES | 569 | 0 | 52 | 520 | 25,775 | 5,571 | $\mathbf{3 2 , 4 8 7}$ |
| TOTAL FIRES: | FIRES | 215 | 0 | 32 | 41 | 11,550 | 208 | $\mathbf{1 2 , 0 4 6}$ |
| TOTAL ACRES: | ACRES | 22,199 | 0 | 1,458 | 2,192 | 187,350 | 13,100 | $\mathbf{2 2 6 , \mathbf { 2 9 8 }}$ |


| Ten Year Average Fires (2009-2018 as of today) | 39,283 |
| :--- | :---: |
| Ten Year Average Acres (2009-2018 as of today) | $4,083,353$ |

[^1]
## Canadian Fires and Hectares

| PROVINCES | FIRES <br> YESTERDAY | HECTARES <br> YESTERDAY | FIRES <br> YEAR-TO- <br> DATE | HECTARES <br> YEAR-TO-DATE |
| :---: | :---: | :---: | :---: | :---: |
| BRITISH COLUMBIA | 7 | 10 | 697 | 12,689 |
| YUKON TERRITORY | 0 | 0 | 108 | 252,877 |
| ALBERTA | 4 | 0 | 892 | 869,248 |
| NORTHWEST TERRITORY | 3 | 13,564 | 135 | 91,649 |
| SASKATCHEWAN | 2 | 2 | 222 | 44,681 |
| MANITOBA | 0 | 0 | 245 | 101,416 |
| ONTARIO | 9 | 91 | 342 | 264,830 |
| QUEBEC | 8 | 51 | 238 | 10,231 |
| NEWFOUNDLAND | 5 | 21 | 79 | 712 |
| NEW BRUNSWICK | 2 | 2 | 145 | 186 |
| NOVA SCOTIA | 2 | 0 | 98 | 126 |
| PRINCE EDWARD ISLAND | 0 | 0 | 1 | 9 |
| NATIONAL PARKS | 0 | 0 | 65 | 109,803 |
| TOTALS | 42 | 13,741 | 3,267 | $1,758,456$ |

*1 Hectare = 2.47 Acres

Predictive Services Discussion: A breezy, westerly flow will continue across Alaska. Areas of rain will remain possible across the southern Interior, as a departing cold front stalls near the Alaska Range. To the south, stronger surges of monsoonal moisture will move northward across the Inland West, as an approaching cold front strengthens the southerly flow. Scattered wet storms are expected along and west of the Continental Divide as far west as central Nevada and eastern Oregon. Isolated storms will also be possible across the central Sierra in California. Southwesterly winds across the Pacific Northwest will become breezy in the afternoon as the front begins to make its approach from the west. In Alaska, another approaching front will bring widespread showers to the Interior of the state. This will assist in fuel moisture recoveries as the state begins to exit fire season.
http://www.predictiveservices.nifc.gov/outlooks/outlooks.htm


# Safety Zone Research 

Operational Engagement Category

[If you have computer or smart phone access, please watch the video for this subject using the link or QR code...Otherwise, read on Old School...]

First, a Fire Behavior 101 refresher: You can warm yourself around the sides of a campfire for quite some time; that's radiant heat. If you hold your hands over the top of the fire, you'll get burned relatively quickly; that's convective heat.

Basically, wind or slope can tip the flames over, so that the convective heat is no longer going straight up, but is now aimed more along the ground, sending the heat and hot gasses much further ahead. This causes pre heating of the fuels, faster fire spread and greater fire intensities. You'll need a larger Safety Zone if that fire is coming towards you.

The current equation for safety zone size in the Incident Response Pocket Guide (IRPG), PMS 461 (page 8) is:

$$
4 \text { x Flame Height = Safe Separation Distance }
$$

To make estimations of flame height though, you either have to use past fire behavior observations or use your experience to guess what the fire may do in the future. After a decade of research, Bret Butler, at the Missoula Technology and Development Center, suggests removing the uncertainty and guesswork that comes with estimating flame height by taking the general rule of thumb: Flame Height $=2 \times$ Vegetation Height ...and substituting that Flame Height equation into the original $\underline{I R P G}$ equation, to give:
$4 \times 2 \times$ Vegetation Height $=$ Safe Separation Distance, which simplified is:
$8 \times$ Vegetation Height $=$ Safe Separation Distance

But remember, that's still for radiant heat only, on flat ground, with no wind. To take into account the convective heat from slope or wind, Butler's research suggests that a "Slope Wind Factor" is needed in the equation:

$$
8 \times \text { Vegetation Height } x \text { Slope Wind Factor }=\text { Safe Separation Distance }
$$

But what is the Slope Wind Factor? Current research is indicating that the Slope Wind Factor is between 1 and 10; with Butler arguing it may be closer to between 1 and 5 . Butler's ongoing research is focused on answering that question by gathering sensor data on fires, running computer simulations, and refining the models...Stay tuned.

In the meantime, utilize the calculations on page 8 of your $\underline{I R G P}$ to help you determine a bare minimum size for your safety zone with the understanding that slope and wind need to be considered in your decision making.

But remember, a safety zone is only good if you can get there...join us tomorrow for some thoughts on Escape Routes.
The "Take 5@2" safety messages are a cooperative project of 6 Minutes for Safety, RT 130, Wildland Fire Safety Training Annual Refresher (WFSTAR), NIFC External Affairs, the NWCG Leadership Committee, the NWCG Risk Management Committee, and the Wildland Fire Lessons Learned Center

## References:

Wildland Fire Safety Training Annual Refresher
Wildland Fire Lessons Learned Center
Wildland Fire Leadership Development Program
Additional Resources:
Incident Management Situation Report (IMSR)
Incident Response Pocket Guide (IRPG), PMS 461
NWCG Standards for Helicopter Operations, PMS 510
RT-130, Wildland Fire Safety Training Annual Refresher (WFSTAR)
Interagency Standards for Fire and Fire Aviation Operations (Red Book)
Wildland Fire Lessons Learned Center


[^0]:    * Marsh, Santa Clara Unit, Calfire. Nine miles southeast of Clayton, CA. Brush and tall grass. Minimal fire behavior with smoldering. Road closures in effect.

[^1]:    ***Changes in some agency YTD acres reflect more accurate mapping or reporting adjustments.
    ***Additional wildfire information is available through the Geographic Areas at https://gacc.nifc.gov/

