# National Interagency Coordination Center <br> Incident Management Situation Report <br> Thursday, September 2, 2021 - 0730 MDT <br> National Preparedness Level 5 

National Fire Activity:
Initial attack activity:
New large incidents:
Light (53 fires)
Large fires contained:
1
Uncon fires: *** 60

Uncontained large fires: *** 60
NIMOs committed: 3
Type 1 IMTs committed: 13
Type 2 IMTs committed: 17
Nationally, there are 51 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 MAFFS C-130 airtanker and support personnel each from the $152^{\text {nd }}$ Airlift Wing (Nevada Air National Guard), three MAFFS from the $302^{\text {nd }}$ Airlift Wing (Colorado Air Force Reserve), two MAFFS from the $153^{\text {rd }}$ Airlift Wing (Wyoming Air National Guard) and two from the $146{ }^{\text {th }}$ Airlift Wing (California Air National Guard) have been deployed to McClellan, CA to support wildland fire operations nationally.

One RC-26 aircraft with Distributed Real-Time Infrared (DRTI) capability and support personnel from the $141^{\text {st }}$ Air Refueling Wing (Washington Air National Guard) have been deployed to Fairchild, WA. One RC-26 aircraft with Distributed Real-Time Infrared (DRTI) capability and support personnel from the 162 ${ }^{\text {nd }}$ Operations Group (Arizona Air National Guard) have been deployed to Eugene, OR in support of wildland fire operations. Also supporting these aircraft are eight ground controllers from multiple U.S. Air National Guard squadrons.

One Boeing 737 airtanker from New South Wales, Australia is supporting fire suppression efforts in the western United States.

| Active Incident Resource Summary |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GACC | Incidents | Cumulative <br> Acres | Crews | Engines | Helicopters | Total <br> Personnel | Change in <br> Personnel |
| AICC | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NWCC | 24 | 659,488 | 156 | 369 | 63 | 7,094 | -149 |
| ONCC | 10 | $1,715,424$ | 201 | 1,138 | 84 | 13,129 | 353 |
| OSCC | 6 | 37,534 | 61 | 92 | 20 | 2,093 | -152 |
| NRCC | 27 | 384,446 | 33 | 110 | 22 | 2,246 | -165 |
| GBCC | 4 | 76,833 | 6 | 10 | 4 | 266 | 72 |
| SWCC | 0 | 0 | 0 | 0 | 0 | 0 | -2 |
| RMCC | 4 | 13,523 | 5 | 25 | 6 | 311 | 8 |
| EACC | 3 | 27,798 | 11 | 28 | 4 | 707 | 30 |
| SACC | 0 | 0 | 0 | 0 | 0 | 0 | -14 |
| Total | $\mathbf{7 8}$ | $\mathbf{2 , 9 1 5 , 0 4 6}$ | $\mathbf{4 7 3}$ | $\mathbf{1 , 7 7 2}$ | $\mathbf{2 0 3}$ | $\mathbf{2 5 , 8 4 6}$ | $\mathbf{- 1 9}$ |

## Northern California Area (PL 5)

| New fires: | 14 |
| :--- | :---: |
| New large incidents: | 0 |
| Uncontained large fires: | 10 |
| NIMOs committed: | 2 |
| Type 1 IMTs committed: | 7 |
| Type 2 IMTs committed: | 2 |

Caldor, Eldorado NF, USFS. Unified command between NIMO (Team 2), IMT 1 (Cal Fire Team 6) and IMT 1 (CA Team 4). Sixteen miles northeast of Plymouth, CA. Timber, light slash and brush. Extreme fire behavior with long-range spotting, crowning and torching. Several communities, numerous structures and infrastructure threatened. Evacuations, area, road and trail closures in effect.

Dixie, Butte Unit, Cal Fire. IMT 1 (Cal Fire Team 1) and IMT 1 (GB Team 1). Fifteen miles northeast of Paradise, CA. Timber, light slash and brush. Extreme fire behavior with torching, crowning and long-range spotting. Several communities, numerous structures and infrastructure threatened. Evacuations, area, road and trail closures in effect.

Monument, Shasta-Trinity NF, USFS. Unified command between IMT 1 (Cal Fire Team 5) and IMT 1 (CA Team 5). IMT is also managing the Knob incident. One mile southwest of Del Loma, CA. Timber and brush. Active fire behavior with uphill runs, torching and short-range spotting. Several communities, numerous structures and infrastructure threatened. Evacuations, area, road and trail closures in effect.

Knob, Six Rivers NF, USFS. Two miles south of Willow Creek, CA. Timber and closed timber litter. Active fire behavior with uphill runs, torching and short-range spotting. Communities of Willow Creek and Salyer and numerous residences threatened. Evacuations, area, road and trail closures in effect.

River Complex (3 fires), Klamath NF, USFS. NIMO (Team 3) and IMT 2 (CA Team 13). Nine miles southwest of Etna, CA. Timber and brush. Active fire behavior with flanking, group torching and short-range spotting. Several communities, numerous structures and infrastructure threatened. Evacuations, area, road and trail closures in effect.

McCash, Six Rivers NF, USFS. IMT 2 (GB Team 3). Fourteen miles northeast of Somes Bar, CA. Timber, brush and short grass. Active fire behavior with running, short crown runs and torching. Numerous structures threatened. Evacuations, area, road and trail closures in effect.

Antelope, Klamath NF, USFS. IMT 1 (SA Red Team). Twenty miles northeast of McCloud, CA. Timber and brush. Moderate fire behavior with creeping, single tree torching and short-range spotting. Numerous structures threatened. Area, road and trail closures in effect.

McFarland, Shasta-Trinity NF, USFS. Four miles southeast of Wildwood, CA. Timber, chaparral and brush. Minimal fire behavior with smoldering. Area and trail closures in effect.

| Incident Name | Unit | Size |  | \% | Ctn/ <br> Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Caldor | CA-ENF | 207,931 | 8,299 | 23 | Ctn | 9/13 | 4,377 | 206 | 72 | 513 | 26 | 780 | 80.4M | FS |
| Dixie | CA-BTU | 847,308 | 27,352 | 52 | Ctn | 9/30 | 3,997 | 27 | 49 | 353 | 19 | 1,282 | 427M | ST |
| Monument | CA-SHF | 174,759 | 2,467 | 29 | Ctn | 11/1 | 2,427 | 65 | 38 | 170 | 20 | 50 | 78.2M | FS |
| Knob | CA-SRF | 2,066 | 830 | 34 | Ctn | 9/30 | 210 | 52 | 7 | 18 | 0 | 0 | 800K | FS |
| River Complex | CA-KNF | 112,150 | 5,985 | 14 | Ctn | 10/1 | 758 | -3 | 12 | 40 | 8 | 15 | 32.3M | FS |
| McCash | CA-SRF | 44,977 | 6,074 | 1 | Ctn | 10/31 | 478 | 13 | 6 | 25 | 5 | 0 | 15.3M | FS |
| Antelope | CA-KNF | 71,501 | 45 | 73 | Ctn | 9/30 | 665 | 25 | 13 | 11 | 6 | 17 | 37.3M | FS |
| McFarland | CA-SHF | 122,653 | 0 | 98 | Ctn | 9/9 | 167 | -32 | 3 | 2 | 0 | 46 | 41.9M | FS |

## Northwest Area (PL 5)

| New fires: | 9 |
| :--- | :---: |
| New large incidents: | 1 |
| Uncontained large fires: | 21 |
| Type 1 IMTs committed: | 6 |
| Type 2 IMTs committed: | 9 |

Rough Patch Complex (4 fires), Umpqua NF, USFS. IMT 1 (NR Team 1). IMT is also managing the Jack incident. Eighteen miles southwest of Oakridge, OR. Closed timber litter and timber. Active fire behavior with uphill runs, torching and flanking. Area, road and trail closures in effect.

Jack, Umpqua NF, USFS. Thirty-one miles east of Roseburg, OR. Closed timber litter and timber. Moderate fire behavior with isolated torching, flanking and backing. Area, road and trail closures in effect.

Devil's Knob Complex (2 fires), Umpqua NF, USFS. IMT 1 (Florida Forest Service Red Team). IMT 1 (RM Team 1) mobilizing. Twenty miles northeast of Azalea, OR. Timber and medium slash. Moderate fire behavior with backing, flanking and single tree torching. Community of Ash Valley and structures threatened. Area, road and trail closures in effect.

Schneider Springs, Okanogan-Wenatchee NF, USFS. IMT 1 (PNW Team 2). Eighteen miles northwest of Naches, WA. Short grass, timber and brush. Active fire behavior with wind-driven runs, flanking and backing. Communities of Nile and Cliffdell, numerous structures and communication infrastructure threatened. Area, road and trail closures in effect.

Bull Complex, Mt. Hood NF, USFS. IMT 2 (GB Team 4). IMT 2 (NR Team 4) mobilizing. Twenty-five miles northeast of Mill City, OR. Timber and closed timber litter. Active fire behavior with backing, group torching and short-range spotting. Area, road and trail closures in effect.

Twenty-five Mile, Okanogan-Wenatchee NF, USFS. Transfer of command from IMT 1 (SW Team 1) to IMT 1 (PNW Team 3) will occur today. Twelve miles northwest of Chelan, WA. Short grass, brush and timber. Active fire behavior with uphill runs, flanking and torching. Numerous structures and communication infrastructure threatened. Area, road and trail closures in effect.

Middle Fork Complex (2 fires), Willamette NF, USFS. Transfer of command from IMT 2 (NW Team 13) to IMT 2 (NW Team 6) will occur on 9/4. Nine miles northeast of Oakridge, OR. Timber and closed timber litter. Active fire behavior with flanking, backing and torching. Structures threatened. Area, road and trail closures in effect.

Chickadee Creek, Northeast Region, DNR. IMT 2 (NW Team 12). IMT is also managing the Walker Creek incident. Sixteen miles northwest of Tonasket, WA. Timber and light slash. Moderate fire behavior with flanking, backing and isolated torching. Precipitation occurred over the fire area yesterday.

Walker Creek, Northeast Region, DNR. Four miles northwest of Wauconda, WA. Timber and closed timber litter. Moderate fire behavior with backing, creeping and isolated torching. Numerous residences and infrastructure threatened. Area, road and trail closures in effect. Precipitation occurred over the fire area yesterday.

Summit Trail, Colville Agency, BIA. Transfer of command from IMT 2 (NW Team 7) to IMT 2 (SW Team 4) will occur tomorrow. Seventeen miles west of Inchelium, WA. Timber and light slash. Moderate fire behavior with backing and creeping. Communication infrastructure threatened. Precipitation occurred over the fire area yesterday.

Bulldog Mountain, Colville NF, USFS. Sixteen miles northwest of Kettle Falls, WA. Brush, closed timber litter and timber. Moderate fire behavior with backing, creeping and isolated torching. Area and road closures in effect.

Mack Mountain, Colville NF, USFS. Fifteen miles north of Kettle Falls, WA. Brush, closed timber litter and timber. Minimal fire behavior with creeping and smoldering. Area and road closures in effect.

Muckamuck, Colville NF, USFS. IMT 2 (NW Team 9). IMT is also managing the Cedar Creek and Cub Creek 2 incidents. Four miles northwest of Conconully, WA. Brush, closed timber litter and timber. Minimal fire behavior with backing, creeping and smoldering. Residences threatened. Area, road and trail closures in effect.

Cedar Creek, Okanogan-Wenatchee NF, USFS. Fifteen miles northwest of Winthrop, WA. Brush, closed timber litter and timber. Minimal fire behavior with backing, creeping and smoldering. Area, road and trail closures in effect.

Cub Creek 2, Southeast Region, DNR. Five miles north of Winthrop, WA. Brush, closed timber litter and timber. Minimal fire behavior with backing, creeping and smoldering. Community of Mazama and structures threatened. Area, road and trail closures in effect.

Green Ridge, Umatilla NF, USFS. Transfer of command from IMT 2 (NW Team 8) back to the local unit will occur on 9/4. Thirty miles east of Walla Walla, WA. Short grass, timber and medium slash. Minimal fire behavior with backing, creeping and smoldering. Numerous structures threatened. Area, road and trail closures in effect.

* Beezley, Spokane District, BLM. Seven miles northeast of Quincy, WA. Brush and short grass. Minimal fire behavior with smoldering. Last narrative report unless significant activity occurs.

| 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 |  |  |  |
| Rough Patch Complex | OR-UPF | 35,097 | 1,210 | 19 | Ctn | 10/31 | 638 | -37 | 19 | 17 | 7 | 0 | 17.2M | FS |
| Jack | OR-UPF | 23,985 | 9 | 55 | Ctn | 10/31 | 9 | 0 | 0 | 1 | 0 | 0 | 41.7M | FS |


| 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 |  |  |  |
| Devils Knob Complex | OR-UPF | 38,387 | 1,454 | 28 | Ctn | 10/15 | 876 | 37 | 25 | 45 | 6 | 1 | 27.1M | FS |
| Schneider Springs | WA-OWF | 83,647 | 1,425 | 8 | Ctn | 10/1 | 881 | 16 | 21 | 49 | 8 | 0 | 23.3M | FS |
| Bull Complex | OR-MHF | 10,972 | 256 | 4 | Ctn | 10/30 | 589 | -3 | 14 | 17 | 5 | 0 | 13M | FS |
| Twenty-five Mile | WA-OWF | 13,918 | 833 | 37 | Ctn | 10/30 | 492 | 4 | 10 | 34 | 9 | 13 | 14.7M | FS |
| Middle Fork Complex | OR-WIF | 20,982 | 389 | 21 | Ctn | 10/15 | 693 | 1 | 14 | 29 | 7 | 0 | 29.8M | FS |
| Chickadee Creek | WA-NES | 5,815 | 322 | 40 | Ctn | 10/15 | 186 | -40 | 5 | 12 | 0 | 0 | 4.1M | ST |
| Walker Creek | WA-NES | 23,377 | 0 | 55 | Ctn | 11/15 | 275 | -30 | 3 | 20 | 3 | 17 | 20M | ST |
| Summit Trail | WA-COA | 46,351 | 0 | 55 | Ctn | 10/31 | 584 | -7 | 13 | 22 | 4 | 0 | 37.6M | BIA |
| Bulldog Mountain | WA-COF | 5,490 | 119 | 53 | Ctn | 10/1 | 121 | -26 | 2 | 6 | 0 | 0 | 5.4M | FS |
| Mack Mountain | WA-COF | 1,233 | 0 | 30 | Ctn | 10/1 | 38 | -30 | 1 | 3 | 0 | 0 | 372K | FS |
| Muckamuck | WA-COF | 13,314 | 0 | 72 | Ctn | 10/15 | 129 | -18 | 3 | 12 | 0 | 0 | 11.7M | FS |
| Cedar Creek | WA-OWF | 55,187 | 0 | 87 | Ctn | 10/31 | 209 | -3 | 0 | 10 | 5 | 2 | 37.8M | FS |
| Cub Creek 2 | WA-SES | 70,186 | 0 | 70 | Ctn | 10/1 | 214 | -5 | 5 | 7 | 0 | 3 | 25.7M | ST |
| Green Ridge | OR-UMF | 40,272 | 213 | 39 | Ctn | 10/1 | 149 | -2 | 0 | 10 | 1 | 0 | 37.6M | FS |
| Fox Complex | OR-FWF | 9,754 | 0 | 100 | Ctn | --- | 0 | -12 | 0 | 0 | 0 | 4 | 14.7M | FS |
| Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| * Beezley | WA-SPD | 388 | -- | 50 | Comp | 10/2 | 0 | --- | 0 | 0 | 0 | 0 | 15K | BLM |
| Nason | WA-OWF | 339 | --- | 15 | Comp | 11/1 | 2 | --- | 0 | 0 | 0 | 0 | 160K | FS |
| Pincer Creek | WA-MSF | 900 | --- | 0 | Comp | 10/1 | 4 | --- | 0 | 0 | 0 | 0 | 35K | FS |
| Moraine Lake | WA-NCP | 164 | --- | 10 | Comp | 10/1 | 2 | --- | 0 | 0 | 0 | 0 | 15K | NPS |
| Bear Creek | WA-NCP | 857 | --- | 6 | Comp | 10/1 | 7 | --- | 0 | 0 | 1 | 0 | 90K | NPS |

FWF - Fremont-Winema NF, USFS MSF - Mt. Baker-Snoqualmie NF, USFS NCP - North Cascades National Park, NPS

## Southern California Area (PL 4)

| New fires: | 12 |
| :--- | :---: |
| New large incidents: | 0 |
| Uncontained large fires: | 5 |
| NIMOs committed | 1 |
| Type 2 IMTs committed: | 2 |

French, Central California District, BLM. NIMO (Team 1), IMT 2 (CA Team 12) and IMT 2 (GB Team 6). Twenty-eight miles northeast of Bakersfield, CA. Chaparral and timber. Moderate fire behavior with backing, single tree torching and short-range spotting. Several communities, numerous structures and infrastructure threatened. Evacuations, area, road and trail closures in effect.

Chaparral, Riverside Unit, Cal Fire. Transfer of command from IMT 2 (CA Team 14) back to the local unit occurred yesterday. Eight miles southwest of Murrieta, CA. Chaparral, brush and short grass. Minimal fire behavior with creeping and smoldering. Infrastructure threatened. Trail closures in effect.

Walkers, Sequoia NF, USFS. Twenty-seven miles northeast of Porterville, CA. Brush and timber. Active fire behavior with running, flanking and backing. Structures threatened. Area closures in effect.

Airola, Tuolumne-Calaveras Unit, Cal Fire. Two miles north of Columbia, CA. Chaparral, brush and tall grass. Minimal fire behavior with smoldering.

Pond, Mojave National Preserve, NPS. Thirty-three miles west of Bullhead City, AZ. Tall and short grass and brush. Minimal fire behavior with smoldering.

| 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 |  |  |  |
| French | CA-CND | 25,854 | 144 | 43 | Ctn | 9/7 | 1,502 | 15 | 41 | 77 | 13 | 50 | 32.5M | BLM |
| Chaparral | CA-RRU | 1,427 | 0 | 79 | Ctn | 9/8 | 287 | -64 | 8 | 8 | 1 | 3 | 3.2M | ST |
| Walkers | CA-SQF | 8,304 | 196 | 52 | Ctn | 10/2 | 170 | -28 | 7 | 1 | 5 | 0 | 3.2M | FS |
| Airola | CA-TCU | 639 | 0 | 89 | Ctn | 9/2 | 45 | 0 | 3 | 2 | 0 | 0 | 550K | ST |
| Pond | CA-MNP | 491 | 0 | 60 | Ctn | 9/4 | 63 | -18 | 2 | 3 | 1 | 0 | 45K | NPS |
| South | CA-BDU | 819 | 0 | 100 | Ctn | --- | 26 | -57 | 1 | 1 | 0 | 17 | 2.5M | ST |
| Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tiltill | CA-YNP | 1,990 | --- | 90 | Comp | UNK | 5 | --- | 0 | 1 | 0 | 0 | 630K | NPS |

BDU - San Bernardino Unit, Cal Fire YNP - Yosemite NP

## Northern Rockies Area (PL 3)

| New fires: | 6 |
| :--- | :---: |
| New large incidents: | 0 |
| Uncontained large fires: | 18 |
| Type 2 IMTs committed: | 2 |

Alder Creek, Beaverhead-Deerlodge NF, USFS. IMT 2 (NR Team 5). IMT is also managing the Trail Creek and Christensen incidents. Twenty miles northwest of Wisdom, MT. Timber and brush. Moderate fire behavior with creeping and torching. Area, road and trail closures in effect.

Trail Creek, Beaverhead-Deerlodge NF, USFS. Twenty miles west of Wisdom, MT. Timber and brush. Active fire behavior with group torching, backing and flanking. Area, road and trail closures in effect.

Christensen, Beaverhead-Deerlodge NF, USFS. Ten miles northeast of Wisdom, MT. Timber and brush. Active fire behavior with crowning, running and spotting. Area, road and trail closures in effect.

Burnt Peak, Kootenai NF, USFS. IMT 2 (NR Team 7). IMT is also managing the South Yaak incident. Nine miles southwest of Troy, MT. Timber and light slash. Minimal fire behavior with creeping and smoldering. Area, road and trail closures in effect.

South Yaak, Kootenai NF, USFS. Four miles northwest of Troy, MT. Timber and light slash. Minimal fire behavior with creeping and smoldering. Area, road and trail closures in effect.

American Fork, Helena-Lewis and Clark NF, USFS. Twenty-four miles southwest of Harlowton, MT. Short grass, timber and brush. Minimal fire behavior. Area, road and trail closures in effect.

Character Complex, Idaho Panhandle NF, USFS. Three miles north of Kellogg, ID. Timber and brush. Moderate fire behavior with single tree torching, backing and smoldering. Communities of Murray and Eagle threatened. Area, road and trail closures in effect.

Stateline Complex (6 fires), Idaho Panhandle NF, USFS. Twenty-two miles southwest of Superior, MT. Closed timber litter, timber and light slash. Minimal fire behavior with creeping and smoldering. Road and trail closures in effect.

Granite Pass Complex (2 fires), Lolo NF, USFS. Thirty miles southwest of Missoula, MT. Timber, closed timber litter and brush. Minimal fire behavior with smoldering. Structures threatened. Area, road and trail closures in effect.

West Lolo Complex, Lolo NF, USFS. Six miles north of St. Regis, MT. Timber. Minimal fire behavior with smoldering. Area, road and trail closures in effect.

Harris Mountain, Cascade County. Seven miles southeast of Cascade, MT. Closed timber litter and timber. Minimal fire behavior. Structures threatened.

Boulder 2700, Flathead Agency, BIA. Three miles northeast of Finley Point, MT. Closed timber litter and timber. Minimal fire behavior with creeping and smoldering. Numerous residences threatened. Area and trail closures in effect.

Cougar Rock Complex (3 fires), Clearwater Potlach Timber Protective Association, IDL. Seventeen miles northeast of Elk River, ID. Light slash and timber. Moderate fire behavior with creeping, smoldering and single tree torching.

Sheep Creek, Nez Perce-Clearwater NF, USFS. Previously reported incident. Thirty-one miles southeast of Grangeville, ID. Short grass, brush and timber. Moderate fire behavior with running, flanking and backing. Last narrative report unless significant activity occurs.

| 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 |  |  |  |
| Alder Creek | MT-BDF | 14,185 | 27 | 24 | Comp | 11/1 | 112 | -38 | 1 | 6 | 1 | 0 | 22.2M | FS |
| Trail Creek | MT-BDF | 39,825 | 420 | 58 | Comp | 11/1 | 172 | -3 | 1 | 5 | 2 | 0 | 18.1M | FS |
| Christensen | MT-BDF | 11,206 | 45 | 20 | Comp | 11/1 | 1 | 0 | 0 | 0 | 0 | 1 | 1.1 M | FS |
| Burnt Peak | MT-KNF | 4,097 | 0 | 41 | Ctn | 9/30 | 141 | -5 | 0 | 0 | 0 | 0 | 21.5M | FS |
| South Yaak | MT-KNF | 12,371 | 0 | 74 | Ctn | 9/30 | 107 | -3 | 3 | 3 | 0 | 0 | 6.2M | FS |
| American Fork | MT-HLF | 21,892 | 0 | 76 | Ctn | 10/15 | 58 | -2 | 1 | 3 | 1 | 0 | 7.9M | FS |
| Character Complex | ID-IPF | 11,907 | 13 | 76 | Ctn | 11/1 | 228 | -3 | 6 | 6 | 1 | 0 | 24.1M | FS |
| Stateline Complex | ID-IPF | 12,764 | 0 | 50 | Ctn | 11/1 | 77 | -1 | 1 | 1 | 0 | 0 | 3.3M | FS |
| Granite Pass Complex | MT-LNF | 5,910 | 0 | 57 | Ctn | 9/15 | 22 | -1 | 0 | 1 | 0 | 0 | 10.5M | FS |
| West Lolo Complex | MT-LNF | 39,053 | 0 | 80 | Ctn | 10/31 | 45 | -1 | 0 | 2 | 0 | 0 | 26.7M | FS |
| Harris Mountain | MT-LG02 | 31,603 | 0 | 91 | Ctn | 10/1 | 39 | 0 | 0 | 10 | 1 | 7 | 9.7M | CNTY |
| Boulder 2700 | MT-FHA | 2,230 | 0 | 90 | Ctn | 10/1 | 78 | 0 | 2 | 4 | 0 | 31 | 7.8M | BIA |
| Cougar Rock Complex | ID-CTS | 8,207 | 0 | 78 | Ctn | 9/15 | 54 | 0 | 0 | 7 | 0 | 0 | 20.6M | ST |
| Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Trestle Creek Complex | ID-IPF | 6,674 | 0 | 40 | Comp | 10/15 | 289 | -35 | 8 | 8 | 3 | 0 | 10M | FS |
| Woods Creek | MT-HLF | 55,411 | 0 | 90 | Comp | 10/31 | 325 | -17 | 3 | 17 | 9 | 1 | 18.6M | FS |
| Divide Complex | MT-HLF | 9,804 | 0 | 77 | Comp | 10/29 | 59 | 2 | 1 | 0 | 2 | 0 | 21M | FS |
| Dixie | ID-NCF | 43,430 | 0 | 63 | Comp | 10/30 | 122 | 0 | 0 | 10 | 0 | 0 | 27.4M | FS |
| Crooks | MT-FHA | 2,906 | 0 | 0 | Comp | 9/30 | 148 | 0 | 3 | 13 | 1 | 0 | 3.7M | BIA |
| Sheep Creek | ID-NCF | 2,737 | 1,133 | 0 | Comp | 11/30 | 0 | 0 | 0 | 0 | 0 | 0 | 27K | FS |


| 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 |  |  |  |
| Hay Creek | MT-FNF | 2,894 | 0 | 75 | Comp | 9/30 | 10 | 0 | 0 | 1 | 0 | 0 | 9.7M | FS |
| Robertson Draw | MT-CGF | 29,885 | 0 | 95 | Comp | 10/1 | 4 | -5 | 0 | 0 | 0 | 30 | 13M | FS |
| Storm Theatre Complex | ID-NCF | 22,319 | --- | 10 | Comp | 10/15 | 28 | --- | 0 | 3 | 0 | 0 | 4.8M | FS |
| Swanson Creek | ID-NCF | 650 | --- | 0 | Comp | 10/10 | 4 | --- | 0 | 1 | 0 | 0 | 300K | FS |
| Lynx | ID-NCF | 4,915 | --- | 0 | Comp | 10/30 | 0 | --- | 0 | 0 | 0 | 0 | 205K | FS |
| Dry Cabin | MT-LNF | 3,460 | --- | 0 | Comp | 10/10 | 6 | --- | 0 | 0 | 0 | 0 | 260K | FS |
| Jumbo | ID-NCF | 2,750 | --- | 46 | Comp | 10/30 | 0 | --- | 0 | 0 | 0 | 0 | 110K | FS |
| Goose | MT-BDF | 7,522 | --- | 90 | Comp | 10/13 | 23 | --- | 0 | 2 | 0 | 1 | 8.8M | FS |
| Army Mule | ID-NCF | 3,845 | --- | 0 | Comp | 10/31 | 1 | --- | 0 | 0 | 0 | 0 | 4K | FS |
| Greenside Butte | ID-NCF | 725 | --- | 0 | Comp | 10/31 | 0 | --- | 0 | 0 | 0 | 0 | 11K | FS |
| Larkins Complex | ID-IPF | 4,526 | --- | 60 | Comp | 11/1 | 1 | --- | 0 | 0 | 0 | 0 | 23K | FS |
| Porphyry | ID-NCF | 170 | --- | 0 | Comp | 10/31 | 1 | --- | 0 | 0 | 0 | 0 | NR | FS |
| Crooked Creek | MT-BID | 4,141 | --- | 90 | Comp | UNK | 1 | --- | 0 | 0 | 0 | 1 | 5.4M | BLM |

NCF - Nez Perce-Clearwater NF, USFS FNF - Flathead NF, USFS CGF - Custer Gallatin NF, USFS
BID - Billings Field Office, BLM

## Eastern Area (PL 3)

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

Greenwood, Superior NF, USFS. Transfer of command from IMT 2 (EA Gold Team) to IMT 2 (NR Team 3) will occur today. IMT is also managing the John Ek incident. Ten miles southwest of Isabella, MN. Brush, closed timber litter and timber. Minimal fire behavior with creeping, isolated torching and smoldering. Numerous residences and infrastructure threatened. Evacuations, area, road and trail closures in effect.

John Ek, Superior NF, USFS. Twenty-five miles northwest of Lutsen, MN. Brush, closed timber litter and timber. Minimal fire behavior with creeping, isolated torching and smoldering. Area closures in effect.

Horn, Isle Royale National Park, NPS. Seventy miles north of Houghton, MI. Timber. Active fire behavior. Structures threatened.

| 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 |  |  |  |
| Greenwood | MN-SUF | 26,028 | 0 | 37 | Ctn | 9/10 | 493 | 17 | 9 | 26 | 2 | 71 | 11.5M | FS |
| John Ek | MN-SUF | 1,350 | 0 | 0 | Ctn | 9/30 | 163 | 13 | 1 | 2 | 2 | 0 | 1.2M | FS |
| Horn | MI-IRP | 370 | 70 | 36 | Ctn | 9/30 | 51 | 0 | 1 | 0 | 0 | 1 | 400K | NPS |

## Great Basin (PL 2)

New fires: 2
New large incidents: 0
Uncontained large fires: 1

Oak Grove, Dixie NF, USFS. Twenty miles northeast of St. George, UT. Timber, brush and slash. Minimal fire behavior with smoldering and creeping. Area, road and trail closures in effect.

Boundary, Salmon-Challis NF, USFS. Previously reported incident. Twenty-four miles northwest of Stanley, ID. Timber, short grass and brush. Active fire behavior with torching, spotting and running. Structures threatened. Road closures in effect. Last narrative report unless significant activity occurs.

Scarface, Salmon-Challis NF, USFS. Previously reported incident. Thirty-five miles west of Challis, ID. Tall grass, brush and light slash. Moderate fire behavior with single tree torching, creeping and smoldering. Structures threatened.

| Incident Name | Unit | Size |  | \% | Ctn/ <br> Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Oak Grove | UT-DIF | 696 | 0 | 10 | Ctn | 9/12 | 123 | 0 | 3 | 5 | 1 | 0 | 700K | FS |
| Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Boundary | ID-SCF | 6,000 | 1,000 | 70 | Comp | 10/30 | 83 | 48 | 2 | 3 | 1 | 0 | 1.5M | FS |
| Scarface | ID-SCF | 1,500 | 800 | 20 | Comp | UNK | 32 | 31 | 1 | 0 | 0 | 0 | 340K | FS |
| Southern Bench | NV-NTE | 21,000 | 0 | 0 | Comp | 10/1 | 0 | 0 | 0 | 0 | 0 | 0 | 1K | DOE |
| Mud Lick | ID-SCF | 20,856 | --- | 68 | Comp | 9/19 | 5 | --- | 0 | 0 | 0 | 0 | 24.2M | FS |
| Tamarack | NV-HTF | 68,637 | --- | 82 | Comp | UNK | 28 | --- | 0 | 2 | 2 | 25 | 34M | FS |
| Rush Creek | ID-PAF | 4,611 | --- | 31 | Comp | 10/15 | 7 | --- | 0 | 0 | 0 | 0 | 250K | FS |
| Vinegar | ID-PAF | 2,997 | --- | 30 | Comp | 10/15 | 0 | --- | 0 | 0 | 0 | 0 | 250K | FS |
| Club | ID-PAF | 375 | --- | 0 | Comp | 10/15 | 0 | --- | 0 | 0 | 0 | 0 | 250K | FS |

SCF - Salmon-Challis NF, USFS HTF - Humboldt-Toiyabe NF, USFS PAF - Payette NF, USFS

## Rocky Mountain Area (PL 2)

| New fires: | 1 |
| :--- | :--- |
| New large incidents: | 0 |
| Uncontained large fires: | 2 |

Black Mountain, Medicine Bow-Routt NF, USFS. Thirteen miles northeast of Kremmling, CO. Timber, heavy slash and brush. Moderate fire behavior with backing, flanking and isolated torching. Structures and communication infrastructure threatened. Area and road closures in effect.

Crater Ridge, Bighorn NF, USFS. Thirty-one miles west of Sheridan, WY. Timber, heavy slash and short grass. Minimal fire behavior with smoldering. Area, road and trail closures in effect.

| Incident Name | Unit | Size |  | \% | Ctn/ <br> Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{gathered} \$ \$ \\ \text { CTD } \end{gathered}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Black Mountain | WY-MRF | 416 | 23 | 0 | Ctn | 10/31 | 167 | 24 | 4 | 9 | 4 | 0 | 593K | FS |
| Crater Ridge | WY-BHF | 6,232 | 0 | 52 | Ctn | 10/9 | 116 | -16 | 1 | 5 | 2 | 1 | 12.7M | FS |

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

| Morgan Creek | WY-MRF | 7,509 | --- | 24 | Comp | UNK | 30 | --- | 0 | 4 | 1 | 0 | $11.8 M$ | FS |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| 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 |  |  |  |
| Muddy Slide | WY-MRF | 4,093 | --- | 80 | Comp | UNK | 3 | --- | 0 | 0 | 0 | 18 | 13.1M | FS |
| Sylvan | CO-WRF | 3,792 | --- | 90 | Comp | 9/10 | 0 | --- | 0 | 0 | 0 | 0 | 7.3M | FS |

WRF - White River NF, USFS

Fires and Acres Yesterday (by Protection):

| Area |  | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alaska Area | FIRES | 0 | 0 | 0 | 0 | 0 | 0 | $\mathbf{0}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 0 | 0 | $\mathbf{0}$ |
| Northwest Area | FIRES | 0 | 0 | 0 | 0 | 9 | 0 | $\mathbf{9}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 4 | 0 | $\mathbf{4}$ |
| Northern California Area | FIRES | 0 | 0 | 0 | 0 | 14 | 0 | $\mathbf{1 4}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 21 | 21,050 | $\mathbf{2 1 , 0 7 1}$ |
| Southern California Area | FIRES | 0 | 1 | 0 | 0 | 9 | 2 | $\mathbf{1 2}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 21 | 964 | $\mathbf{9 8 5}$ |
| Northern Rockies Area | FIRES | 1 | 1 | 0 | 0 | 2 | 2 | $\mathbf{6}$ |
|  | ACRES | 0 | 28 | 0 | 0 | 3 | 94 | $\mathbf{1 2 5}$ |
| Great Basin Area | FIRES | 0 | 0 | 0 | 0 | 0 | 2 | $\mathbf{2}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 0 | 2,260 | $\mathbf{2 , 2 6 0}$ |
| Rocky Mountain Area | FIRES | 0 | 0 | 0 | 0 | 0 | 0 | $\mathbf{0}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 0 | 0 | $\mathbf{0}$ |
| Southern Area | ACRES | 0 | 4 | 0 | 0 | 4 | 223 | $\mathbf{2 3 1}$ |
|  | FIRES | 0 | 0 | 0 | 0 | 0 | 1 | $\mathbf{1}$ |
| TOTAL ACRES: | ACRES | 0 | 0 | 0 | 0 | 0 | 0 | $\mathbf{0}$ |

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

| Area |  | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alaska Area | FIRES | 0 | 112 | 0 | 0 | 238 | 18 | $\mathbf{3 6 8}$ |
|  | ACRES | 0 | 156,447 | 0 | 0 | 97,642 | 5 | $\mathbf{2 5 4 , 0 9 4}$ |
| Northwest Area | FIRES | 193 | 281 | 29 | 16 | 2,117 | 580 | $\mathbf{3 , 2 1 6}$ |
|  | ACRES | 147,938 | 6,029 | 13,203 | 1,041 | 167,261 | 603,050 | $\mathbf{9 3 8 , 5 2 1}$ |
| Northern California Area | FIRES | 61 | 35 | 5 | 23 | 2,674 | 489 | $\mathbf{3 , 2 8 7}$ |
|  | ACRES | 284 | 296 | 351 | 2 | 362,113 | $1,001,199$ | $\mathbf{1 , 3 6 4 , 2 4 6}$ |
| Southern California Area | FIRES | 20 | 104 | 12 | 77 | 3,359 | 491 | $\mathbf{4 , 0 6 3}$ |
|  | ACRES | 1,374 | 6,779 | 199 | 8,166 | 20,088 | 42,800 | $\mathbf{7 9 , 4 0 5}$ |
| Northern Rockies Area | FIRES | 1,239 | 95 | 23 | 5 | 1,309 | 718 | $\mathbf{3 , 3 8 9}$ |
|  | ACRES | 101,831 | 27,521 | 2,755 | 51 | 407,331 | 275,116 | $\mathbf{8 1 4 , 6 0 4}$ |
| Great Basin Area | FIRES | 47 | 716 | 52 | 29 | 786 | 510 | $\mathbf{2 , 1 4 0}$ |
|  | ACRES | 3,324 | 78,060 | 10 | 2,191 | 70,686 | 98,085 | $\mathbf{2 5 2 , 3 5 6}$ |
| Southwest Area | FIRES | 640 | 196 | 9 | 32 | 345 | 918 | $\mathbf{2 , 1 4 0}$ |
|  | ACRES | 26,507 | 83,964 | 1,528 | 3,363 | 33,286 | 494,210 | $\mathbf{6 4 2 , 8 5 8}$ |
| Rocky Mountain Area | FIRES | 631 | 414 | 6 | 25 | 640 | 313 | $\mathbf{2 , 0 2 9}$ |
|  | ACRES | 12,242 | 25,424 | 1,260 | 1,118 | 108,936 | 26,440 | $\mathbf{1 7 5 , 4 2 0}$ |
| Eastern Area | FIRES | 564 | 0 | 51 | 32 | 7,443 | 458 | $\mathbf{8 , 5 4 8}$ |
|  | ACRES | 12,729 | 0 | 14,381 | 953 | 34,905 | 43,792 | $\mathbf{1 0 6 , 7 6 0}$ |
| TOTAL FIRES: | FIRES | 386 | 0 | 56 | 43 | 13,115 | 388 | $\mathbf{1 3 , 9 8 8}$ |
| TOTAL ACRES: | ACRES | 28,691 | 0 | 11,845 | 8,498 | 266,683 | 27,562 | $\mathbf{3 4 3 , 2 7 8}$ |


| Ten Year Average Fires (2011 - 2020 as of today) | 42,381 |
| :--- | :---: |
| Ten Year Average Acres (2011 - 2020 as of today) | $\mathbf{5 , 7 1 5 , 4 2 1}$ |

***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/

Canadian Fires and Hectares

| PROVINCES | FIRES <br> YESTERDAY | HECTARES <br> YESTERDAY | FIRES <br> YEAR-TO-DATE | HECTARES <br> YEAR-TO- <br> DATE |
| :--- | :---: | :---: | :---: | :---: |
| BRITISH COLUMBIA | 0 | 0 | 1,582 | 865,375 |
| YUKON TERRITORY | 0 | 0 | 112 | 118,019 |
| ALBERTA | 0 | 0 | 1,142 | 55,298 |
| NORTHWEST TERRITORY | 0 | 0 | 139 | 138,904 |
| SASKATCHEWAN | 8 | 301 | 592 | 847,863 |
| MANITOBA | 3 | 810 | 445 | $1,260,930$ |
| ONTARIO | 1 | 4 | 1,173 | 771,698 |
| QUEBEC | 2 | 0 | 566 | 57,228 |
| NEWFOUNDLAND | 0 | 0 | 79 | 333 |
| NEW BRUNSWICK | 0 | 0 | 168 | 380 |
| NOVA SCOTIA | 0 | 0 | 112 | 197 |
| PRINCE EDWARD ISLAND | 0 | 0 | 1 | 0 |
| NATIONAL PARKS | 14 | 1,115 | 6,175 | $4,152,488$ |
| TOTALS |  |  |  | 36,264 |

*1 Hectare $=2.47$ Acres
Predictive Services Discussion: Upper-level troughing will weaken over the Pacific Northwest and Northern Rockies with weaker southwest flow aloft over California and the Great Basin. High pressure will remain over the southern Plains and extend into the Great Lakes. The remnants of Ida will move eastward across southern New England and move out into the Atlantic by evening. Dry and breezy conditions are likely for the central and northern Great Basin into western Wyoming but will be lighter than previous days with peak gusts of 20-30 mph. Dry, post-frontal northerly winds are also possible across northern Montana into North Dakota and western South Dakota. Relative humidity will remain low in much of the northern Intermountain West with the lowest values of $5-15 \%$ across northern California, eastern Oregon, and the western and northern Great Basin with poor overnight recovery. Monsoon moisture will begin to decrease across the Great Basin and Southwest with isolated to scattered mainly wet thunderstorms likely in the afternoon. As the cold front moves through the northern Plains, showers and thunderstorms are expected with the storms moving into western Minnesota with lower chances of wetting rain in northeast Minnesota.
http://www.predictiveservices.nifc.gov/outlooks/outlooks.htm


## Aircraft and Pilot Carding <br> Aviation Category

Every aircraft and pilot used in support of a federal wildland fire mission must have a current Aircraft and Pilot Card or letter of authorization. The card must be held in the aircraft or with the pilot and give specific authorization to complete the requested mission. These missions could be all or any number of missions as follows:

- Air Attack (Level I, Level II, Level III)
- Reconnaissance
- Fire Surveillance
- Water Delivery (buckets)
- Helitorch
- Cargo
- Longline
- Plastic Sphere Dispenser (PSD) Operations

Every pilot who flies a properly-carded aircraft must possess a current Interagency Airplane or Helicopter Pilot Qualification Card that gives specific authorization to fly the type of mission requested and the specific type of aircraft being used for the mission. These missions could be all or any number of missions as follows:

- Air Attack
- Reconnaissance
- Fire Surveillance
- Low-level
- Paracargo
- Mountain/Remote Airstrips
- Smokejumper
- Longline

Before the aircraft and pilot can be used for a specific mission, the aircraft must be listed on a valid and current contract which includes the type of work being performed. A copy of the contract must be onboard the aircraft.
Each user of the aircraft and pilot has the authorization to physically inspect the Aircraft Data Card, the Interagency Airplane or Helicopter Pilot Qualification Card, and the contract. If any one of these three items is not available for inspection, the mission must be canceled or at least postponed until the authorization of the aircraft, pilot, or contract can be determined.
Pilots have very specific and closely monitored duty time and flight time limitations which users must understand and adhere to:

- 14-hour duty day,
- 8 hours flight time per day,
- 2 days off in 14 calendar days, and
- 36 hours cumulative flight time in any 6 consecutive days.


## Resources:

Incident Response Pocket Guide, PMS 461, https://www.nwcg.gov/publications/461
NWCG Standards for Helicopter Operations, PMS 510, https://www.nwcg.gov/publications/510
Interagency Standards for Fire \& Fire Aviation Operations (Red Book), https://www.nifc.gov/policies/pol ref redbook.html

