# National Interagency Coordination Center <br> Incident Management Situation Report <br> Tuesday, July 27, 2021- 0730 MDT <br> National Preparedness Level 5 

## National Fire Activity:

| Initial attack activity: | Light (147 fires) |
| :--- | :---: |
| New large incidents: | 3 |
| Large fires contained: | 4 |
| Uncontained large fires: *** | 63 |
| Area Command teams committed: | 0 |
| NIMOs committed: | 1 |
| Type 1 IMTs committed | 11 |
| Type 2 IMTs committed: | 19 |

Nationally, there are 32 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.
Two MAFFS C-130 airtankers and support personnel each from the $152^{\text {nd }}$ Airlift Wing (Nevada Air National Guard), one MAFFS unit from the $302^{\text {nd }}$ Airlift Wing (Colorado Air Force Reserve), one MAFFS unit from the $153^{\text {rd }}$ Airlift Wing (Wyoming Air National Guard) and one 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) has been deployed to Reno, NV in support of wildland fire operations.

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 | 4 | 59,320 | 1 | 7 | 0 | 57 | 8 |
| NWCC | 19 | 683,433 | 157 | 415 | 65 | 7,312 | -51 |
| ONCC | 4 | 340,056 | 88 | 428 | 35 | 5,535 | -484 |
| OSCC | 4 | 6,489 | 13 | 12 | 5 | 427 | -168 |
| NRCC | 40 | 346,811 | 65 | 325 | 40 | 4,685 | 6 |
| GBCC | 11 | 100,347 | 58 | 133 | 40 | 2,437 | -226 |
| SWCC | 2 | 17,393 | 0 | 1 | 0 | 6 | 0 |
| RMCC | 10 | 18,715 | 10 | 78 | 8 | 882 | -5 |
| EACC | 1 | 108 | 2 | 1 | 2 | 108 | -45 |
| SACC | 1 | 762 | 0 | 1 | 2 | 17 | 0 |
| Total | $\mathbf{9 6}$ | $\mathbf{1 , 5 7 3 , 4 3 5}$ | 394 | $\mathbf{1 , 4 0 1}$ | $\mathbf{1 9 7}$ | $\mathbf{2 1 , 4 6 6}$ | $\mathbf{- 9 5 5}$ |

## Northern Rockies Area (PL 5)

| New fires: | 6 |
| :--- | :---: |
| New large incidents: | 2 |
| Uncontained large fires: | 32 |
| NIMOs committed: | 1 |
| Type 1 IMTs committed: | 1 |
| Type 2 IMTs committed: | 9 |

Divide Complex (2 fires), Helena-Lewis and Clark NF, USFS. IMT 2 (SA Gold Team). IMT is also managing the American Fork incident. Seventeen miles west of Neihart, MT. Timber. Extreme fire behavior with torching, short crown runs and long-range spotting. Numerous structures threatened. Evacuations, area, road and trail closures in effect.

American Fork, Helena-Lewis and Clark NF, USFS. Twenty-four miles southwest of Harlowton, MT. Timber. Extreme fire behavior with torching, short-crown runs and long-range spotting. Structures threatened. Area, road and trail closures in effect.

Alder Creek, Beaverhead-Deerlodge NF, USFS. IMT 1 (SW Team 1). IMT is also managing the Trail Creek and Christensen incidents. Twenty miles northwest of Wisdom, MT. Timber. Extreme fire behavior with longrange spotting, crowning and torching. Numerous structures threatened. Area, road and trail closures in effect.

Trail Creek, Beaverhead-Deerlodge NF, USFS. Twenty miles west of Wisdom, MT. Timber. Extreme fire behavior with crowning, torching and long-range spotting. Structures and communication infrastructure threatened. Area and trail closures in effect.

Christensen, Beaverhead-Deerlodge NF, USFS. Ten miles northeast of Wisdom, MT. Timber. Extreme fire behavior with crowning, torching and long-range spotting. Area, road and trail closures in effect.

Hay Creek, Flathead NF, USFS. Four miles west of Polebridge, MT. Timber. Moderate fire behavior with winddriven runs, group torching and short-range spotting. Numerous residences threatened. Area, road and trail closures in effect.

Character Complex (2 fires), Idaho Panhandle NF, USFS. IMT 2 (NR Team 3). Three miles north of Kellogg, ID. Timber and brush. Active fire behavior with flanking, uphill runs and group torching. Numerous structures threatened. Area, road and trail closures in effect.

Cougar Rock Complex (4 fires), Clearwater Potlach Timber Protective Association, IDL. Transfer of command from IMT 2 (NR Team 6) to IMT 2 (GB Team 3) will occur tomorrow. Seventeen miles northeast of Elk River, ID. Light slash and timber. Active fire behavior with flanking, single tree torching and short-range spotting. Structures threatened. Road closures in effect.

West Lolo Complex (2 fires), Lolo NF, USFS. Six miles north of St. Regis, MT. Brush, closed timber litter and timber. Active fire behavior with backing, short crown runs and single tree torching. Numerous residences threatened. Evacuations, area, road and trail closures in effect.

Burnt Peak, Kootenai NF, USFS. IMT 2 (GB Team 4). IMT is also managing the South Yaak incident. Nine miles southwest of Troy, MT. Timber and light slash. Active fire behavior with flanking, uphill runs and spotting. Structures threatened. Area and road closures in effect.

South Yaak, Kootenai NF, USFS. Four miles northwest of Troy, MT. Timber and light slash. Active fire behavior with uphill runs, backing and spotting. Structures threatened. Evacuations and road closures in effect.

Stateline Complex (3 fires), Idaho Panhandle NF, USFS. IMT 2 (SW Team 5). Twenty-two miles southwest of Superior, MT. Closed timber litter, timber and light slash. Active fire behavior with spotting, group torching and uphill runs. Area, road and trail closures in effect.

Leland Complex (2 fires), Ponderosa Area Office, IDL. Transfer of command from IMT 2 (EA Gold Team) back to the local unit will occur on 7/29. Five miles southwest of Deary, ID. Timber, closed timber litter and brush. Active fire behavior with torching, flanking and backing. Residences threatened. Area, road and trail closures in effect.

Harris Mountain, Cascade County. IMT 2 (NR Team 7). Started on state land six miles southeast of Cascade, MT. Timber and closed timber litter. Active fire behavior with short crown runs, group torching and flanking. Structures threatened. Evacuations and road closures in effect.

Black Mountain, Beaverhead-Deerlodge NF, USFS. Twenty miles east of Salmon, ID. Timber, heavy slash and brush. Moderate fire behavior with single tree torching, backing and creeping. Residences threatened. Area, road and trail closures in effect. Reduction in acreage due to more accurate mapping.

Granite Pass Complex (3 fires), Lolo NF, USFS. IMT 2 (CA Team 15). Thirty miles southwest of Missoula, MT. Timber, brush and medium slash. Moderate fire behavior with creeping, backing and isolated torching. Structures and communication infrastructure threatened. Area, road and trail closures in effect.
*Rough Draw, Rosebud County. Eleven miles southwest of Colstrip, MT. Timber. Active fire behavior. Structures threatened.

* Storm Theatre Complex ( 6 fires), Nez Perce-Clearwater NF, USFS. NIMO (Team 1). Includes previously reported Storm Creek, Bar Creek, Bald Mountain, Monroe Lake, and Lonesome incidents. Thirty-five miles southwest of Missoula, MT. Brush, timber and closed timber litter. Moderate fire behavior with flanking, backing and uphill runs. Area, road and trail closures in effect.

Devils Creek, Miles City Field Office, BLM. Timber, brush, short grass. Active fire behavior. Structures threatened.

Crooked Creek, Billings Field Office, BLM. Twenty-five miles east of Bridger, MT. Short grass, brush and timber. Minimal fire behavior with smoldering. Area, road and trail closures in effect.

Snake River Complex, Craig Mountain Supervisory Area, IDL. Twenty miles south of Lewiston, ID. Short grass and timber. Minimal fire behavior with single tree torching. Numerous residences threatened. Area, road and trail closures in effect.

Robertson Draw, Custer Gallatin NF, USFS. Seven miles south of Red Lodge, MT. Short grass, brush and timber. Minimal fire behavior with smoldering. Structures threatened. Area, road and trail closures in effect.

Anderson Hill, Southwestern Land Office, DNRC. Started on BLM land 30 miles southeast of Missoula, MT. Timber and medium slash. Minimal fire behavior with smoldering. Area and road closures in effect.

Dixie, Nez Perce-Clearwater NF, USFS. Two miles north of Dixie, ID. Timber. Moderate fire behavior with flanking, group torching and spotting. Numerous structures threatened. Evacuations, area, road and trail closures in effect. Last narrative report unless significant activity occurs.

Woods Creek, Helena-Lewis and Clark NF, USFS. Previously reported incident. Sixteen miles northeast of Townsend, MT. Timber. Active fire behavior with flanking and group torching. Residences threatened. Trail closures in effect. 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 |  |  |  |
| Divide Complex | MT-HLF | 7,999 | 1,519 | 15 | Ctn | 10/29 | 165 | -57 | 2 | 27 | 0 | 2 | 6.3M | FS |
| American Fork | MT-HLF | 8,379 | 2,493 | 10 | Ctn | 10/15 | 183 | 19 | 2 | 17 | 0 | 0 | 1.8M | FS |
| Alder Creek | MT-BDF | 8,347 | 1,066 | 10 | Ctn | 11/1 | 310 | -68 | 2 | 16 | 5 | 0 | 5.9M | FS |
| Trail Creek | MT-BDF | 31,124 | 3,327 | 0 | Comp | 11/1 | 137 | -7 | 2 | 17 | 2 | 0 | 3.4 M | FS |
| Christensen | MT-BDF | 4,070 | 2,796 | 0 | Ctn | 11/1 | 18 | 5 | 0 | 4 | 0 | 0 | 61K | FS |
| Hay Creek | MT-FNF | 1,350 | 197 | 0 | Ctn | 9/30 | 127 | 24 | 1 | 10 | 1 | 0 | 630K | FS |
| Character Complex | ID-IPF | 4,862 | 172 | 30 | Ctn | 11/1 | 275 | -22 | 4 | 18 | 1 | 0 | 9M | FS |
| Cougar Rock Complex | ID-CTS | 6,442 | 525 | 46 | Ctn | 9/15 | 418 | 21 | 9 | 7 | 1 | 0 | 7M | ST |
| West Lolo Complex | MT-LNF | 7,300 | 2,740 | 0 | Ctn | 10/31 | 162 | -9 | 0 | 8 | 5 | 0 | 9.8M | FS |
| Burnt Peak | MT-KNF | 2,715 | 299 | 31 | Ctn | 9/30 | 244 | 7 | 3 | 9 | 3 | 0 | 6.2M | FS |
| South Yaak | MT-KNF | 1,523 | 359 | 10 | Ctn | 9/1 | 173 | -1 | 4 | 10 | 0 | 0 | 1.8M | FS |
| Stateline Complex | ID-IPF | 3,271 | 415 | 3 | Ctn | 10/31 | 328 | 13 | 4 | 8 | 2 | 0 | 3.7M | FS |
| Leland Complex | ID-PDS | 3,350 | 154 | 55 | Ctn | 9/15 | 199 | 7 | 3 | 5 | 3 | 0 | 6.2M | ST |
| Harris Mountain | MT-LG22 | 11,890 | 5,390 | 0 | Ctn | 10/1 | 209 | 50 | 6 | 11 | 0 | 6 | 1M | ST |
| Black Mountain | MT-BDF | 865 | -103 | 0 | Ctn | 10/31 | 84 | 10 | 2 | 6 | 2 | 0 | 525K | FS |
| Granite Pass Complex | MT-LNF | 3,694 | 544 | 22 | Ctn | 9/15 | 249 | 26 | 4 | 8 | 4 | 0 | 3.2M | FS |
| * Rough Draw | ID-LG29 | 2,321 | --- | 10 | Ctn | 8/4 | 75 | --- | 1 | 14 | 1 | 0 | 40K | CNTY |
| * Storm Theatre Complex | ID-NCF | 7,915 | 1,777 | 0 | Comp | 10/15 | 24 | 9 | 0 | 0 | 0 | 0 | 100K | FS |
| Devils Creek | MT-MCD | 10,063 | 3,663 | 0 | Ctn | 8/3 | 148 | 74 | 2 | 15 | 3 | 0 | 1.3M | BLM |
| Crooked Creek | MT-BID | 4,141 | 0 | 85 | Ctn | 7/30 | 10 | 0 | 1 | 0 | 0 | 1 | 5.5M | BLM |
| Snake River Complex | ID-CMS | 108,794 | 1,115 | 85 | Ctn | 7/30 | 108 | -9 | 2 | 9 | 0 | 3 | NR | ST |
| Robertson <br> Draw <br> Anson | MT-CGF | 29,885 | 0 | 90 | Ctn | 8/29 | 47 | -1 | 0 | 2 | 1 | 30 | 12.5M | FS |
| Anderson Hill | MT-SWS | 750 | 0 | 98 | Ctn | 7/28 | 62 | -15 | 1 | 5 | 1 | 1 | 2.3M | BLM |


| 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 |  |  |  |
| Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dixie | ID-NCF | 39,625 | 1,054 | 18 | Comp | 10/30 | 276 | 0 | 4 | 19 | 3 | 0 | 14.5M | FS |
| Woods Creek | MT-HLF | 2,706 | 2,432 | 0 | Comp | 10/31 | 7 | -6 | 0 | 0 | 0 | 0 | 85K | FS |
| Goose | MT-BDF | 7,496 | 25 | 78 | Comp | 10/13 | 160 | -14 | 2 | 7 | 2 | 1 | 6M | FS |
| Jumbo | ID-NCF | 2,304 | 260 | 0 | Comp | 10/30 | 0 | 0 | 0 | 0 | 0 | 0 | 100K | FS |
| Snow Creek | ID-NCF | 900 | 13 | 10 | Comp | 10/20 | 92 | --- | 0 | 6 | 0 | 0 | 2 M | FS |
| Trestle Creek Complex | ID-IPF | 441 | --- | 37 | Comp | 9/15 | 30 | --- | 2 | 0 | 0 | 0 | NR | FS |
| Larkins Complex | ID-IPF | 1,581 | --- | 0 | Comp | 11/1 | 3 | --- | 0 | 0 | 0 | 0 | NR | FS |
| Army Mule | ID-NCF | 600 | --- | 0 | Comp | 10/15 | 0 | --- | 0 | 0 | 0 | 0 | NR | FS |
| Dry Cabin | MT-LNF | 2,200 | --- | 0 | Comp | 8/15 | 8 | --- | 0 | 0 | 0 | 0 | 40K | FS |
| Lynx | ID-NCF | 220 | --- | 0 | Comp | 10/30 | 2 | --- | 0 | 0 | 0 | 0 | 20K | FS |

## Northwest Area (PL 5)

| New fires: | 24 |
| :--- | :---: |
| New large incidents: | 0 |
| Uncontained large fires: | 16 |
| Type 1 IMTs committed: | 6 |
| Type 2 IMTs committed: | 8 |

Cedar Creek, Okanogan-Wenatchee NF, USFS. Transfer of command from IMT 2 (NW Team 8) to IMT 1 (GB Team 1) will occur today. IMT is also managing the Delancy incident. Fifteen miles northwest of Winthrop, WA. Timber, medium slash and short grass. Active fire behavior with short crown runs, flanking and short-range spotting. Numerous residences threatened. Evacuations, area, road and trail closures in effect.

Delancy, Okanogan-Wenatchee NF, USFS. Fifteen miles northwest of Winthrop, WA. Timber, short grass and closed timber litter. Moderate fire behavior with creeping, backing and single tree torching. Area, road and trail closures in effect.

Cub Creek 2, Southeast Region, DNR. IMT 1 (CA Team 1). Five miles north of Winthrop, WA. Timber, brush and closed timber litter. Moderate fire behavior with torching, flanking and backing. Numerous residences and energy infrastructure threatened. Evacuations, area, road and trail closures in effect.

Bootleg, Fremont-Winema NF, USFS. Transfer of command from IMT 1 (NW Team 2) and IMT 1 (ODF Team 1) to IMT 1 (AK Team 1) will occur today. Twenty-three miles east of Chiloquin, OR. Timber and brush. Extreme fire behavior with running, group torching and spotting. Numerous residences and infrastructure threatened. Evacuations, area and road closures in effect.

Summit Trail, Colville Agency, BIA. IMT 2 (CA Team 10). Seventeen miles west of Inchelium, WA. Medium slash, timber and brush. Active fire behavior with crowning, uphill runs and spotting. Numerous structures threatened. Area, road and trail closures in effect.

Elbow Creek, Umatilla NF, USFS. IMT 1 (ODF Team 3). Twenty-six miles northeast of Elgin, OR. Timber and short grass. Active fire behavior with group torching, short crown runs and spotting. Numerous structures and communication infrastructure threatened. Evacuations, area, road and trail closures in effect.

Chuweah Creek, Colville Agency, BIA. Transfer of command from IMT 2 (NW Team 12) to IMT 2 (CA Team 10) will occur tomorrow. Four miles north of Nespelem, WA. Brush, timber and short grass. Minimal fire behavior with creeping, smoldering and isolated torching. Area and road closures in effect.

Sherwood, Spokane Agency, BIA. IMT 2 (NW Team 6). Thirty miles northwest of Spokane, WA. Timber. Active fire behavior with flanking, spotting and backing. Numerous structures threatened. Evacuations in effect.

Jack, Umpqua NF, USFS. IMT 2 (NW Team 10). Thirty-one miles east of Roseburg, OR. Timber, closed timber litter and brush. Active fire behavior with flanking, backing and uphill runs. Numerous structures and energy infrastructure threatened. Area, road and trail closures in effect.

Lick Creek, Umatilla NF, USFS. IMT 2 (CA Team 12). IMT is also managing the Green Ridge incident. Fifteen miles southeast of Pomeroy, WA. Timber and closed timber litter. Moderate fire behavior with creeping, isolated torching and smoldering. Numerous structures threatened. Area, road and trail closures in effect.

Green Ridge, Umatilla NF, USFS. Thirty miles east of Walla Walla, WA. Timber and closed timber litter. Active fire behavior with flanking, backing and isolated torching. Numerous residences threatened. Area, road and trail closures in effect.

Bruler, Willamette NF, USFS. IMT 2 (NW Team 13). Nine miles south of Detroit, OR. Closed timber litter and timber. Moderate fire behavior with backing, flanking and isolated torching. Area, road and trail closures in effect.

Northrup, Spokane District, BLM. Seven miles southeast of Coulee City, WA. Tall grass, timber and hardwood litter. Minimal fire behavior. Structures threatened.

Goddard Road, Northeast Region, DNR. Started on private land 12 miles southwest of Kettle Falls, WA. Timber and short grass. Minimal fire behavior with smoldering. Numerous structures threatened.

Nelson Creek, Northeast Region, DNR. Fifteen miles southwest of Newport, WA. Timber. Minimal fire behavior with creeping and smoldering. Residences threatened.

Steptoe Canyon, Washington State Fire Marshal's Office. Five miles southwest of Colton, WA. Short grass and brush. No new information.

| Incident Name | Unit | Size |  | \% | Ctn/ Comp | Est | Personnel |  | Resources |  |  | Strc <br> Lost | $\begin{aligned} & \$ \$ \\ & \text { CTD } \end{aligned}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Acres | Chge |  |  |  | Total | Chge | Crw | Eng | Heli |  |  |  |
| Cedar Creek | WA-OWF | 24,647 | 0 | 11 | Ctn | 10/31 | 535 | 57 | 8 | 55 | 7 | 2 | 9.1M | FS |
| Delancy | WA-OWF | 223 | 0 | 0 | Ctn | 10/31 | 0 | 0 | 0 | 0 | 0 | 0 | 300K | FS |
| Cub Creek 2 | WA-SES | 44,100 | 361 | 10 | Ctn | 8/31 | 657 | 97 | 16 | 29 | 8 | 3 | 7.6M | ST |
| Bootleg | OR-FWF | 410,731 | 1,120 | 53 | Ctn | 10/1 | 2,099 | -117 | 44 | 134 | 21 | 408 | 57.3M | FS |
| Summit Trail | WA-COA | 11,256 | 2,403 | 5 | Ctn | 8/7 | 486 | 14 | 10 | 21 | 3 | 0 | 6.7M | BIA |
| Elbow Creek | OR-UMF | 22,790 | 109 | 38 | Ctn | 8/15 | 1,059 | 83 | 33 | 33 | 10 | 6 | 8.2M | FS |
| Chuweah Creek | WA-COA | 36,820 | 0 | 65 | Ctn | UNK | 372 | -50 | 7 | 22 | 2 | 14 | 7.3M | BIA |
| Sherwood | WA-SPA | 1,102 | 177 | 30 | Ctn | 8/1 | 211 | 22 | 5 | 14 | 0 | 0 | 3.1 M | BIA |
| Jack | OR-UPF | 21,881 | 361 | 59 | Ctn | 8/15 | 651 | 38 | 14 | 26 | 4 | 0 | 19M | FS |
| Lick Creek | OR-UMF | 80,392 | 0 | 90 | Ctn | 9/1 | 166 | -37 | 0 | 3 | 0 | 10 | 14.1M | FS |
| Green Ridge | OR-UMF | 6,799 | 892 | 15 | Ctn | 9/6 | 320 | -13 | 7 | 11 | 7 | 0 | 10.6M | FS |
| Bruler | OR-WIF | 195 | 0 | 47 | Ctn | 9/30 | 214 | 40 | 2 | 10 | 1 | 0 | 4M | FS |
| Northrup | WA-SPD | 247 | 0 | 95 | Ctn | UNK | 12 | -97 | 0 | 3 | 0 | 0 | 450K | BLM |
| Goddard Road | WA-NES | 815 | 0 | 90 | Ctn | 7/30 | 185 | 0 | 3 | 12 | 0 | 3 | 3.3M | PRI |
| Nelson Creek | WA-NES | 154 | 0 | 60 | Ctn | 7/31 | 38 | --- | 0 | 2 | 0 | 1 | 92K | ST |
| Steptoe Canyon | WA-WFA | 2,605 | --- | 80 | Ctn | UNK | 60 | --- | 1 | 15 | 0 | 0 | 550K | ST |


| 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 |  |  |  |
| Red Apple | WA-SES | 12,288 | 0 | 100 | Ctn | --- | 29 | 21 | 1 | 1 | 0 | 1 | 4.3M | ST |

## Northern California Area (PL 4)

| New fires: | 17 |
| :--- | :---: |
| New large incidents: | 0 |
| Uncontained large fires: | 3 |
| Type 1 IMTs committed: | 2 |

Dixie, Butte Unit, Cal Fire. Fifteen miles northeast of Paradise, CA. IMT 1 (Cal Fire Team 1) and IMT 1 (CA Team 2). Timber and chaparral. Moderate fire behavior with short crown runs, running and short-range spotting. Several communities threatened. Evacuations, area, road and trail closures in effect.

Beckwourth Complex, Plumas NF, USFS. Three miles northeast of Beckwourth, CA. Timber, brush and closed timber litter. Minimal fire behavior with smoldering and creeping. Area, road and trail closures in effect.

Lava, Shasta-Trinity NF, USFS. Four miles east of Weed, CA. Timber and brush. Moderate fire behavior with smoldering and creeping. Area and road 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 |  |  |  |
| Dixie | CA-BTU | 198,021 | 5,172 | 22 | Ctn | 7/31 | 5,105 | -356 | 78 | 409 | 34 | 36 | 55M | ST |
| Beckwourth Complex | CA-PNF | 105,670 | 0 | 98 | Ctn | 7/30 | 216 | -23 | 4 | 7 | 1 | 148 | 53.8M | FS |
| Lava | CA-SHF | 26,365 | 49 | 78 | Ctn | 8/14 | 42 | -6 | 0 | 5 | 0 | 23 | 34.2M | FS |

## Great Basin (PL3)

New fires:
New large incidents:
Uncontained large fires:
Type 1 IMTs committed:

Tamarack, Humboldt-Toiyabe NF, USFS. IMT 1 (RM Team 1). Sixteen miles south of Gardnerville, NV. Timber and chaparral. Active fire behavior with uphill runs, flanking and backing. Numerous structures threatened. Evacuations, area, road and trail closures in effect. Precipitation occurred over the fire area yesterday.

Iron, Salmon-Challis NF, USFS. Eighteen miles southwest of Salmon, ID. IMT 1 (GB Team 2). IMT is also managing the Haynes and Mud Lick incidents. Timber, brush and short grass. Minimal fire behavior with smoldering. Structures and sage-grouse habitat threatened. Area, road and trail closures in effect.

Haynes, Salmon-Challis NF, USFS. Thirteen miles southeast of Salmon, ID. Timber and short grass. Moderate fire behavior with isolated torching, creeping and smoldering. Sage-grouse habitat threatened. Road closures in effect.

Mud Lick, Salmon-Challis NF, USFS. Twenty-three miles west of Salmon, ID. Timber and short grass. Active fire behavior with short crown runs, uphill runs and group torching. Structures and sage-grouse habitat threatened. Road and trail closures in effect.

Shale Creek, Bridger-Teton NF, USFS. Thirty miles north of Kemmerer, WY. Timber, light slash and brush. Minimal fire behavior with backing, creeping and smoldering. Area, road and trail closures in effect.

Morgan Canyon, Uinta-Wasatch-Cache NF, USFS. Twelve miles west of Stockton, UT. Timber and brush. Minimal fire behavior with creeping and smoldering. Structures threatened. Area and trail closures in effect. Precipitation occurred over the fire area yesterday.

Black Pine, Bear River Area, Utah DOF. Fifteen miles west of Snowville, UT. Short grass, bush and timber. 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 |  |  |  |
| Tamarack | NV-HTF | 68,103 | 1,359 | 54 | Ctn | 8/31 | 1,505 | -118 | 36 | 99 | 11 | 15 | 17.7M | FS |
| Iron | ID-SCF | 133 | 0 | 95 | Ctn | 7/31 | 32 | 0 | 1 | 0 | 9 | 0 | 533K | FS |
| Haynes | ID-SCF | 472 | 0 | 60 | Ctn | 7/31 | 151 | -32 | 7 | 2 | 8 | 0 | 1.3 M | FS |
| Mud Lick | ID-SCF | 17,426 | 517 | 52 | Comp | 8/31 | 550 | -44 | 10 | 22 | 7 | 0 | 11.5M | FS |
| Shale Creek | WY-BTF | 189 | 0 | 60 | Ctn | 8/5 | 85 | -20 | 1 | 0 | 4 | 0 | 1.7 M | FS |
| Morgan Canyon | UT-UWF | 509 | 0 | 75 | Ctn | 8/15 | 6 | -2 | 0 | 1 | 0 | 0 | 1.8 M | FS |
| Black Pine | UT-BRS | 563 | 0 | 99 | Ctn | 7/30 | 1 | 0 | 0 | 0 | 0 | 0 | 350K | ST |
| Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rush Creek | ID-PAF | 1,689 | 29 | 0 | Comp | 10/1 | 30 | 3 | 1 | 0 | 1 | 0 | 200K | FS |
| Tango | ID-SCF | 102 | --- | 0 | Comp | 10/1 | 22 | --- | 0 | 0 | 0 | 0 | 20K | FS |
| Vinegar | ID-PAF | 323 | --- | 0 | Comp | 10/1 | 5 | --- | 0 | 0 | 0 | 0 | 30K | FS |

PAF - Payette NF, USFS

## Southern California Area (PL 3)

| New fires: | 18 |
| :--- | :---: |
| New large incidents: | 0 |
| Uncontained large fires: | 1 |
| Type 2 IMTs committed: | 1 |

Peak, Central California District, BLM. IMT 2 (CA Team 11). Thirty-three miles east of Bakersfield, CA. Timber, brush and short grass. Minimal fire behavior with smoldering. Precipitation occurred over the fire area yesterday.

| 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 |  |  |  |
| Peak | CA-CND | 2,098 | 0 | 87 | Ctn | 7/30 | 303 | -135 | 9 | 9 | 2 | 1 | 6.4M | BLM |
| Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| County Line | CA-YNP | 224 | --- | 85 | Comp | 8/15 | 0 | --- | 0 | 0 | 0 | 0 | 114K | NPS |
| Lukens | CA-YNP | 460 | --- | 50 | Comp | 8/15 | 22 | --- | 0 | 1 | 0 | 0 | 451K | NPS |
| Henry | CA-STF | 1,320 | 0 | 100 | Comp | --- | 47 | 0 | 2 | 0 | 2 | 0 | 2M | FS |
| Dexter | CA-INF | 2,965 | 0 | 100 | Comp | --- | 73 | -12 | 2 | 3 | 0 | 0 | 5.8M | FS |

YNP - Yosemite NP, NPS STF - Stanislaus NF, USFS INF - Inyo NF, USFS

New fires: 34
New large incidents: $\quad 1$
Uncontained large fires: 5
Type 2 IMTs committed: 1
Morgan Creek, Medicine Bow-Routt NF, Thunder Basin National Grassland, USFS. Fifteen miles north of Steamboat Springs, CO. Timber and brush. Moderate fire behavior with creeping, flanking and single tree torching. Structures threatened. Area, road and trail closures in effect.

Muddy Slide, Medicine Bow-Routt NF, Thunder Basin National Grassland, USFS. Twenty miles south of Steamboat Springs, CO. Timber. Minimal fire behavior with smoldering. Trail closures in effect.

Crater Ridge, Bighorn NF, USFS. IMT 2 (RM Team Blue). Thirty-one miles west of Sheridan, WY. Timber and heavy slash. Active fire behavior with uphill runs, flanking and torching. Area, road and trail closures in effect.

* Fuzzy, Cheyenne River Agency, BIA. Forty-two miles east of Eagle Butte, SD. Short grass. Extreme fire behavior with wind-driven runs and long-range spotting. Evacuations in effect.

Taco, Cheyenne River Agency, BIA. Twenty-seven miles southwest of Eagle Butte, SD. Short grass and timber. Active fire behavior. Reduction in acreage due to more accurate mapping.

| 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 |  |  |  |
| Morgan Creek | WY-MRF | 6,093 | 96 | 8 | Ctn | 9/1 | 387 | 4 | 6 | 13 | 2 | 0 | 7.9M | FS |
| Muddy Slide | WY-MRF | 4,093 | 0 | 70 | Ctn | 8/31 | 76 | 8 | 0 | 5 | 2 | 18 | 12.5M | FS |
| Crater Ridge | WY-BHF | 641 | 39 | 0 | Ctn | 8/15 | 228 | -6 | 3 | 6 | 4 | 0 | 3.1M | FS |
| * Fuzzy | SD-CRA | 1,200 | --- | 15 | Ctn | 7/28 | 54 | --- | 0 | 15 | 0 | 3 | 30K | BIA |
| Taco | SD-CRA | 682 | -268 | 25 | Ctn | 7/30 | 11 | -23 | 0 | 2 | 0 | 0 | 30K | BIA |
| Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sylvan | CO-WRF | 3,792 | --- | 68 | Comp | 8/1 | 13 | --- | 0 | 2 | 0 | 0 | 7M | FS |

WRF - White River NF, USFS

## Southwest Area (PL 2)

| New fires: | 6 |
| :--- | :--- |
| New large incidents: | 0 |
| Uncontained large fires: | 0 |


| 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 |  |  |  |

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

| Paradise Park | AZ-ASF | 262 | --- | 0 | Comp | $8 / 13$ | 1 | --- | 0 | 0 | 0 | 0 | 2 K | FS |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oconnell | AZ-KNF | 180 | --- | 50 | Comp | UNK | 23 | --- | 1 | 3 | 0 | 0 | 20 K | FS |

ASF - Apache Sitgreaves NF, USFS KNF - Kaibab NF, USFS

## Alaska Area (PL 2)

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

| Incident Name | Unit | Size |  | \% | Ctn/ <br> Comp | Est | Personnel |  | Resources |  |  | Strc | $\$ \$$ | 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

| Munson Creek | AK-FAS | 54,050 | 0 | 5 | Comp | $7 / 30$ | 37 | 0 | 1 | 7 | 0 | 0 | $2 M$ | ST |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Marten Creek | AK-UYD | 813 | 463 | 0 | Comp | $8 / 31$ | 8 | -4 | 0 | 0 | 0 | 0 | $200 K$ | TRI |
| Cultas Creek | AK-UYD | 37,054 | --- | 0 | Comp | $8 / 7$ | 14 | --- | 1 | 0 | 1 | 0 | $50 K$ | NPS |
| Sischu | AK-TAD | 13,792 | --- | 0 | Comp | $8 / 7$ | 0 | --- | 0 | 0 | 0 | 0 | $5 K$ | BLM |
| Crescent Creek | AK-UYD | 1,329 | --- | 0 | Comp | $8 / 7$ | 0 | --- | 0 | 0 | 0 | 0 | $5 K$ | NPS |
| Shellman Creek | AK-TAD | 1,972 | --- | 0 | Comp | UNK | 0 | --- | 0 | 0 | 0 | 0 | NR | BLM |

FAS - Fairbanks Area, Alaska DOF TAD - Tanana Zone, BLM

Fires and Acres Yesterday (by Protection):

| Area |  | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alaska Area | FIRES | 0 | 2 | 0 | 0 | 0 | 0 | $\mathbf{2}$ |
|  | ACRES | 0 | 1,098 | 0 | 0 | 50 | 0 | $\mathbf{1 , 1 4 8}$ |
| Northwest Area | FIRES | 0 | 1 | 4 | 4 | 11 | 4 | $\mathbf{2 4}$ |
|  | ACRES | 0 | 0 | 0 | 1 | 3 | 1,364 | $\mathbf{1 , 3 6 9}$ |
| Northern California Area | FIRES | 0 | 0 | 0 | 0 | 14 | 3 | $\mathbf{1 7}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 8,351 | 0 | $\mathbf{8 , 3 5 1}$ |
| Southern California Area | FIRES | 0 | 0 | 0 | 0 | 17 | 1 | $\mathbf{1 8}$ |
|  | ACRES | 0 | 0 | 0 | 1 | 3 | 1 | $\mathbf{5}$ |
| Northern Rockies Area | FIRES | 3 | 1 | 0 | 0 | 1 | 1 | $\mathbf{6}$ |
|  | ACRES | 101 | 3,748 | 0 | 0 | 3,736 | 3,375 | $\mathbf{1 0 , 9 6 0}$ |
| Great Basin Area | FIRES | 0 | 6 | 0 | 0 | 10 | 5 | $\mathbf{2 1}$ |
|  | ACRES | 0 | 250 | 0 | 0 | 3 | 1,103 | $\mathbf{1 , 3 5 6}$ |
| Rocky Mountain Area | FIRES | 0 | 1 | 0 | 0 | 0 | 5 | $\mathbf{6}$ |
|  | ACRES | 0 | 0 | 0 | 0 | 0 | 0 | $\mathbf{0}$ |
| Eastern Area | FIRES | 5 | 25 | 0 | 0 | 2 | 2 | $\mathbf{3 4}$ |
|  | ACRES | 1,109 | 106 | 0 | 0 | 15 | 0 | $\mathbf{1 , 2 3 0}$ |
| TOTAL FIRES: | FIRES | 2 | 0 | 0 | 0 | 4 | 4 | $\mathbf{1 0}$ |
| TOTAL ACRES: | ACRES | 3 | 0 | 0 | 0 | 9 | 1 | $\mathbf{1 3}$ |

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

| Area |  | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alaska Area | FIRES | 0 | 104 | 0 | 0 | 215 | 11 | $\mathbf{3 3 0}$ |
|  | ACRES | 0 | 136,066 | 0 | 0 | 69,243 | 5 | $\mathbf{2 0 5 , 3 1 5}$ |
| Northwest Area | FIRES | 151 | 189 | 25 | 8 | 1,511 | 306 | $\mathbf{2 , 1 9 0}$ |
|  | ACRES | 47,793 | 13,824 | 1,179 | 20 | 77,227 | 500,472 | $\mathbf{6 4 0 , 5 1 7}$ |
| Northern California Area | FIRES | 43 | 24 | 4 | 21 | 2,178 | 340 | $\mathbf{2 , 6 1 0}$ |
|  | ACRES | 38 | 268 | 332 | 1 | 40,355 | 157,943 | $\mathbf{1 9 8 , 9 3 9}$ |
| Southern California Area | FIRES | 16 | 93 | 11 | 32 | 2,775 | 369 | $\mathbf{3 , 2 9 6}$ |
|  | ACRES | 1,299 | 3,510 | 199 | 3,014 | 16,577 | 9,463 | $\mathbf{3 4 , 0 6 3}$ |
| Northern Rockies Area | FIRES | 1,040 | 65 | 22 | 5 | 980 | 552 | $\mathbf{2 , 6 6 4}$ |
|  | ACRES | 73,648 | 10,178 | 2,690 | 51 | 173,325 | 144,515 | $\mathbf{4 0 4 , 4 0 7}$ |
| Great Basin Area | FIRES | 35 | 538 | 51 | 18 | 603 | 313 | $\mathbf{1 , 5 5 8}$ |
|  | ACRES | 3,005 | 54,291 | 10 | 2,191 | 55,234 | 38,885 | $\mathbf{1 5 3 , 6 1 8}$ |
| Southwest Area | FIRES | 477 | 173 | 9 | 22 | 333 | 830 | $\mathbf{1 , 8 4 4}$ |
|  | ACRES | 24,878 | 83,887 | 1,528 | 3,362 | 33,217 | 490,648 | $\mathbf{6 3 7 , 5 2 2}$ |
| Rocky Mountain Area | FIRES | 524 | 250 | 6 | 17 | 442 | 214 | $\mathbf{1 , 4 5 3}$ |
|  | ACRES | 5,992 | 22,829 | 1,260 | 1,116 | 82,218 | 23,408 | $\mathbf{1 3 6 , 8 2 4}$ |
| Eastern Area | FIRES | 438 | 0 | 22 | 13 | 6,747 | 409 | $\mathbf{7 , 6 2 9}$ |
|  | ACRES | 12,373 | 0 | 13,276 | 560 | 32,041 | 15,860 | $\mathbf{7 4 , 1 1 0}$ |
| TOTAL FIRES: | FIRES | 376 | 0 | 53 | 36 | 12,386 | 371 | $\mathbf{1 3 , 2 2 2}$ |
| TOTAL ACRES: | ACRES | 28,685 | 0 | 11,844 | 8,321 | 261,937 | 27,347 | $\mathbf{3 3 8 , 1 3 6}$ |


| Ten Year Average Fires (2011 - 2020 as of today) | 33,664 |
| :--- | :---: |
| Ten Year Average Acres (2011 - 2020 as of today) | $3,730,699$ |

***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 | 4 | 19,648 | 1,230 | 414,037 |
| YUKON TERRITORY | 0 | 2 | 99 | 71,957 |
| ALBERTA | 5 | 0 | 903 | 50,428 |
| NORTHWEST TERRITORY | 1 | 3,972 | 114 | 46,815 |
| SASKATCHEWAN | 3 | 4,094 | 463 | 600,407 |
| MANITOBA | 3 | 141,680 | 351 | 764,400 |
| ONTARIO | 24 | 11,324 | 929 | 539,476 |
| QUEBEC | 2 | 14,016 | 471 | 43,331 |
| NEWFOUNDLAND | 0 | 0 | 57 | 306 |
| NEW BRUNSWICK | 1 | 0 | 149 | 307 |
| NOVA SCOTIA | 0 | 0 | 110 | 197 |
| PRINCE EDWARD ISLAND | 0 | 0 | 1 | 0 |
| NATIONAL PARKS | 1 | 40 | 49 | 15,255 |
| TOTALS | 44 | 194,775 | 4,926 | $2,546,915$ |

*1 Hectare $=2.47$ Acres
Predictive Services Discussion: High pressure aloft will strengthen over the central Rockies while low remains off the California coast. Moisture will move into northern California and Oregon with isolated dry thunderstorms this morning. Isolated to scattered mixed wet and dry thunderstorms are possible across northern California, southern and eastern Oregon, northwest Nevada, central Idaho, and southwest Montana. Pyrocumulonimbus will be possible on any active fires in the vicinity of dry thunderstorms. Scattered thunderstorms with wetting rains are likely for southern and eastern Nevada, Utah, Southwest, and Colorado Rockies with flash flooding possible over the Southwest and southern Great Basin. Temperatures will remain above normal for the northern Intermountain West into the northern Plains and Minnesota with record highs possible in central and eastern Montana, Wyoming, and the northern Plains. Near critical southeast winds are possible over eastern Montana and the western Dakotas.

## http://www.predictiveservices.nifc.gov/outlooks/outlooks.htm



Refusing Risk<br>Operational Engagement Category

Every firefighter has the right and obligation to report safety problems and contribute ideas regarding their safety. Supervisors are expected to give these concerns and ideas serious consideration. When an individual feels an assignment is unsafe, they also have the obligation to identify, to the degree possible, safe alternatives for completing that assignment. Turning down an assignment is one possible outcome of managing risk.

- A turn down is a situation where an individual has determined an assignment cannot be undertaken as given and they are unable to negotiate an alternative solution.
- A turn down must be based on an assessment of risks and the ability of an individual or organization to control those risks.
- A situation may be a candidate for a turn down if:
- There is a violation of safe work practices.
- Environmental conditions make the work unsafe.
- The forces lack the necessary qualifications or experience.
- Defective equipment is being used.
- The following steps will be used when turning down an assignment:
- The individual will directly inform their supervisor that they are turning down the assignment as given. (Document using criteria outlined in the risk management process.)
- The supervisor will notify the Safety Officer immediately upon being informed. In the absence of a Safety Officer, the appropriate Section Chief or Incident Commander will be notified. This step provides accountability for decisions and initiates communication of safety concerns.
- If a supervisor requests another resource to perform the assignment, they are responsible for informing that resource that the assignment has previously been refused and the reason(s) why.
- The safety hazard should be documented by the submission of a SAFENET or SAFECOM.
- These actions do not stop an operation from being carried out. This protocol is integral to the effective management of risk as it provides timely identification of hazards to the chain of command, raises risk awareness for both leaders and subordinates, and promotes accountability.

Resources:
Incident Response Pocket Guide (IRPG), PMS 461
Interagency Standards for Fire and Fire Aviation Operations (Red Book)

