# National Interagency Coordination Center <br> Incident Management Situation Report <br> Thursday, September 8, 2011 - 0530 MT National Preparedness Level 3 

## National Fire Activity

| Initial attack activity: | Light (129 new fires) |
| :--- | :---: |
| New large fires: | 7 ( $\left.^{*}\right)$ |
| Large fires contained: | 10 |
| Uncontained large fires: ** | 41 |
| Area Command Teams committed: | 0 |
| NIMOs committed: | 3 |
| Type 1 IMTs committed: | 7 |
| Type 2 IMTs committed: | 9 |

Nationally, there are 81 large fires being managed to achieve multiple objectives.
** Uncontained large fires include only fires being managed under a full suppression strategy.
Link to Geographic Area daily reports.

## Southern Area (PL 4)

New fires: 21
New large fires: 2
Uncontained large fires: 30
NIMOs committed: 1
Type 1 IMTs committed: 4
A NIMO (Kleinman) and two Type 1 Incident Management Teams (Opliger and Morcom) are assigned to provide support to existing and new fires in Texas.

Ferguson, Wichita Mountains NWR. IMT 1 (McGowan). Twelve miles northeast of Cache, OK. Timber. Creeping and smoldering.

Bastrop County Complex, Texas Forest Service. IMT 1 (Wilder). Includes previously reported Union Chapel incident. Six miles northeast of Bastrop, TX. Southern rough. Active fire behavior. Numerous residences threatened. Evacuations in effect.

536 Bear Creek, Texas Forest Service. Four miles southwest of Linden, TX. Timber. Active fire behavior.
Delhi, Texas Forest Service. Eight miles north of Thompsonville, TX. Grass. Moderate fire activity. Residences threatened.

101 Ranch, Texas Forest Service. Eight miles west of Palo Pinto, TX. Timber. Minimal fire activity.
Spicewood, Texas Forest Service. Five miles west of Lakeway, TX. Grass. Minimal fire activity. Residences threatened.

Riley Road, Texas Forest Service. Eleven miles southwest of Montgomery, TX. Timber. Active fire behavior. Residences threatened. Evacuations in effect.

S839 Concord Robbins, Texas Forest Service. Two miles northeast of Concord, TX. Grass. Active fire behavior.

Ocean Bay, National Forests in Florida. Twenty-two miles northeast of Lake City, FL. Southern rough. Minimal fire activity.

C491, Texas Forest Service. Nine miles east of Mart, TX. Grass. Moderate fire activity. Residences threatened.

841 Arbor, Texas Forest Service. Five miles east of Crockett, TX. Grass. Moderate fire activity. Residences threatened.

Lutherhill, Texas Forest Service. Seven miles northeast of LaGrange, TX. Grass. Minimal fire activity. Residences threatened.

Bailey, Texas Forest Service. Seven miles northeast of Alleytown, TX. Grass. Minimal fire activity.
Diana, Texas Forest Service. Four miles west of Diana, TX. Timber. Active fire behavior. Residences threatened.

502, Texas Forest Service. Six miles northwest of Douglass, TX. Timber. Active fire behavior.
Moore, Texas Forest Service. Four miles southwest of Gladewater, TX. Timber. Active fire behavior. Residences threatened.

Cedar Ridge, Texas Forest Service. Seven miles southwest of Aquilla, TX. Grass. Minimal fire activity. Reduction in acreage due to more accurate mapping.

* Halsboro Complex, Texas Forest Service. Five miles southwest of Bogata, TX. Timber. Active fire behavior.

504, Texas Forest Service. Eleven miles northeast of Grapeland, TX. Timber. Active fire behavior.
Three Horses, Okmulgee Field Office, BIA. Five miles north of Weleetka, OK. Hardwood Litter. Structures threatened. No further information received.

Peters Chapel, Texas Forest Service. Six miles northwest of Karnack, TX. Timber. Active fire behavior.
Boot Walker, Texas Forest Service. Six miles east of Jefferson, TX. Timber. Moderate fire activity. Evacuations in effect.

Old Magnolia, Texas Forest Service. Two miles southwest of White Oak, TX. Grass. Moderate fire activity.
Naylor, Texas Forest Service. Five miles northwest of Knollwood, TX. Grass. No new information. Last report unless new information is received.

3457 Road, Texas Forest Service. Eight miles northwest of Poolvile, TX. Grass. No new information. Last report unless new information is received.

508, Texas Forest Service. Twelve miles east of Tyler, TX. Timber. Moderate fire activity.
Walker Gap, Oklahoma DOF. Eleven miles northeast of Sallisaw, OK. Hardwood Litter. No new information. Last report unless new information is received.

Toad Road, Texas Forest Service. Eight miles northwest of Gilmer, TX. Timber. Moderate fire activity. Residences threatened.

543, Texas Forest Service. One mile northeast of Warren City, TX. Timber. Active fire behavior.

Kennedy Road, Texas Forest Service. Three miles south of Kilgore, TX. Timber. Active fire behavior.

| Incident Name | St | Unit | Size | Size Chge 24 Hrs | $\begin{aligned} & \text { \% } \\ & \text { Ctn } \end{aligned}$ | Est <br> Ctn | Totl Pers | Pers <br> Chge <br> 24 <br> Hrs | Crw | Eng | Heli | Strc <br> Lost | $\begin{aligned} & \text { \$\$ } \\ & \text { CTD } \end{aligned}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ferguson | OK | WMR | 38,927 | 7 | 75 | 9/10 | 345 | 52 | 4 | 38 | 4 | 13 | 2.2M | FWS |
| Bastrop County Complex | TX | TXS | 34,068 | 979 | 30 | UNK | 388 | 22 | 1 | 114 | 0 | 578 | 712K | ST |
| 536 Bear Creek | TX | TXS | 25,000 | 11,600 | 0 | UNK | 26 | 0 | 0 | 3 | 0 | 8 | NR | ST |
| Delhi | TX | TXS | 8,000 | 0 | 60 | UNK | 9 | 8 | 0 | 0 | 0 | 6 | NR | ST |
| 101 Ranch | TX | TXS | 7,252 | 0 | 85 | UNK | 41 | -81 | 1 | 4 | 0 | 39 | 882K | ST |
| Spicewood | TX | TXS | 6,500 | 100 | 85 | UNK | 24 | 0 | 0 | 4 | 1 | 67 | 55K | ST |
| Riley Road | TX | TXS | 5,000 | 0 | 30 | UNK | 12 | 12 | 0 | 0 | 2 | 20 | NR | ST |
| $\begin{aligned} & \hline \text { S839 Concord } \\ & \text { Robbins } \\ & \hline \end{aligned}$ | TX | TXS | 4,800 | 800 | 0 | UNK | 7 | 0 | 0 | 1 | 0 | 89 | NR | ST |
| Ocean Bay | FL | FNF | 3,810 | 0 | 80 | UNK | 56 | 0 | 0 | 12 | 2 | 0 | 200K | FS |
| C491 | TX | TXS | 3,000 | 0 | 50 | UNK | 0 | 0 | 0 | 0 | 0 | 0 | NR | ST |
| 841 Arbor | TX | TXS | 3,000 | 0 | 90 | UNK | 6 | 3 | 0 | 0 | 1 | 19 | NR | ST |
| Lutherhill | TX | TXS | 2,700 | 700 | 95 | UNK | 0 | 0 | 0 | 0 | 0 | 6 | NR | ST |
| Bailey | TX | TXS | 2,300 | 500 | 75 | UNK | 0 | 0 | 0 | 0 | 0 | 1 | NR | ST |
| Diana | TX | TXS | 2,000 | 0 | 70 | UNK | 16 | 0 | 0 | 2 | 0 | 2 | NR | ST |
| 502 | TX | TXS | 2,000 | 0 | 0 | UNK | 13 | -9 | 0 | 1 | 2 | 0 | NR | ST |
| Moore | TX | TXS | 1,500 | 0 | 90 | UNK | 11 | 0 | 0 | 0 | 0 | 20 | NR | ST |
| Cedar Ridge | TX | TXS | 958 | -558 | 85 | UNK | 43 | 0 | 1 | 5 | 0 | 0 | NR | ST |
| * Halsboro Complex | TX | TXS | 950 | --- | 0 | UNK | 14 | --- | 0 | 1 | 0 | 0 | NR | ST |
| 504 | TX | TXS | 800 | 0 | 0 | UNK | 1 | 0 | 0 | 0 | 0 | 0 | NR | ST |
| Three Horses | OK | OMA | 659 | 0 | 75 | 9/9 | 13 | 0 | 0 | 4 | 0 | 0 | 15K | BIA |
| Peters Chapel | TX | TXS | 650 | 0 | 80 | UNK | 0 | 0 | 0 | 0 | 0 | 2 | NR | ST |
| Boot Walker | TX | TXS | 600 | 200 | 0 | UNK | 17 | 13 | 0 | 1 | 0 | 1 | NR | ST |
| Old Magnolia | TX | TXS | 500 | 0 | 80 | UNK | 11 | 0 | 0 | 0 | 0 | 0 | NR | ST |
| Naylor | TX | TXS | 500 | --- | 85 | UNK | 0 | -- | 0 | 0 | 0 | 0 | NR | ST |
| 3457 Road | TX | TXS | 400 | --- | 90 | UNK | 0 | --- | 0 | 0 | 0 | 8 | NR | ST |
| 508 | TX | TXS | 400 | 0 | 0 | UNK | 0 | -7 | 0 | 0 | 0 | 0 | NR | ST |
| Walker Gap | OK | OKS | 385 | -- | 70 | 9/9 | 4 | --- | 0 | 2 | 0 | 0 | NR | ST |
| Toad Road | TX | TXS | 350 | 0 | 0 | UNK | 5 | -6 | 0 | 1 | 0 | 4 | NR | ST |
| 543 | TX | TXS | 300 | 0 | 80 | UNK | 1 | 0 | 0 | 0 | 0 | 1 | NR | ST |
| Kennedy Road | TX | TXS | 150 | 0 | 0 | UNK | 0 | 0 | 0 | 0 | 0 | 1 | NR | ST |
| 495 | TX | TXS | 4,500 | 800 | 100 | --- | 2 | 0 | 0 | 0 | 0 | 3 | NR | ST |
| 507 | TX | TXS | 1,400 | 200 | 100 | --- | 0 | -12 | 0 | 0 | 0 | 0 | NR | ST |
| Rick Ranch | TX | TXS | 1,100 | 0 | 100 | --- | 0 | -44 | 0 | 0 | 0 | 0 | NR | ST |


| Incident Name | St | Unit | Size | Size <br> Chge <br> $\mathbf{2 4 ~ H r s ~}$ | \% <br> Ctn | Est <br> Ctn | Totl <br> Pers | Chge <br> $\mathbf{2 4}$ <br> Hrs | Crw | Eng | Heli | Strc <br> Lost | \$\$ <br> CTD | Origin <br> Own |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cedar Truck <br> Complex | TX | TXS | 400 | 0 | 100 | --- | 0 | 0 | 0 | 0 | 0 | 1 | NR | ST |
| Sparkman | AR | ARS | 282 | 132 | 100 | --- | 10 | 0 | 0 | 0 | 0 | 0 | 2 K | ST |
| *510 | TX | TXS | 200 | --- | 100 | --- | 0 | --- | 0 | 0 | 0 | 0 | NR | ST |
| Lake Maumelle | AR | ARS | 110 | 10 | 100 | --- | 4 | 0 | 0 | 0 | 0 | 0 | $3 K$ | ST |
| Conway | AR | ARS | 107 | 7 | 100 | --- | 10 | 0 | 0 | 0 | 0 | 0 | $2 K$ | ST |

ARS - Arkansas Forestry Commission

## Northwest Area (PL 3)

New fires:
New large fires:
Uncontained large fires:
NIMOs committed:
Type 1 IMTs committed
Type 2 IMTs committed:

18
2 5 1 1 5

High Cascades Complex (two fires), Warm Springs Agency, BIA. IMT 2 (Goff). Timber, brush and grass.
Active fire behavior.
Dollar Lake, Mt. Hood NF. IMT 1 (Pendleton) and IMT 2 (West). Sixteen miles south of Hood River, OR. Timber. Active fire behavior. Reduction in acreage due to more accurate mapping.

Shadow Lake, Deschutes NF. NIMO (Gage). Fifteen miles west of Sisters, OR. Timber. Active fire behavior.
Little Butte, Rogue River-Siskiyou NF. IMT 2 (Fillis). Sixteen miles northeast of Medford, OR. Timber. Creeping with isolated torching.

Mother Lode, Mt Hood NF. IMT 2 (Kidd). Ten miles northwest of Detroit, OR. Timber. Moderate fire activity.
Big Hump, Olympic NF. IMT 2 (Rapp). Ten miles west of Brinnon, WA. Timber. Moderate fire activity.

* Cactus Mountain, Wallowa-Whitman NF. Seventeen miles northeast of Imnaha, OR, Grass. Active fire behavior.
* Substitute, Willamette NF. Fourteen miles southeast of McKenzie Bridge, OR. Timber. Moderate fire activity. Last report unless significant activity occurs.

| Incident Name | St | Unit | Size | Size <br> Chge <br> $\mathbf{2 4 ~ H r s}$ | $\%$ <br> Ctn | Est <br> Ctn | Totl <br> Pers | Pers <br> Chge <br> $\mathbf{2 4}$ <br> Hrs | Crw | Eng | Heli | Strc <br> Lost | \$\$ <br> CTD | Origin <br> Own |
| :--- | :--- | :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| High Cascades <br> Complex | OR | WSA | 107,588 | 528 | 80 | $9 / 21$ | 1,798 | -174 | 54 | 67 | 5 | 3 | 21.3 M | BIA |
| Dollar Lake | OR | MHF | 4,378 | -122 | N/A | N/A | 803 | 74 | 21 | 23 | 9 | 0 | 5.2 M | FS |
| Shadow Lake | OR | DEF | 6,026 | 1,166 | N/A | N/A | 558 | 76 | 14 | 21 | 5 | 0 | $3.4 M$ | FS |
| Little Butte | OR | RSF | 467 | 67 | 5 | UNK | 540 | 325 | 20 | 22 | 0 | 0 | 250 K | FS |


| Incident Name | St | Unit | Size | Size <br> Chge <br> $\mathbf{2 4 ~ H r s ~}$ | \% <br> Ctn | Est <br> Ctn | Totl <br> Pers | Pers <br> Chge <br> $\mathbf{2 4}$ <br> Hrs | Crw | Eng | Heli | Strc <br> Lost | \$\$ <br> CTD | Origin <br> Own |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mother Lode | OR | MHF | 300 | 185 | 0 | $9 / 15$ | 104 | 2 | 4 | 0 | 2 | 0 | 414 K | FS |
| Big Hump | WA | OLF | 475 | 270 | N/A | N/A | 79 | -24 | 1 | 0 | 2 | 0 | 325 K | FS |
| * Cactus <br> Mountain | OR | WWF | 1,200 | --- | 0 | $9 / 11$ | 45 | --- | 1 | 3 | 1 | 0 | 23 K | FS |
| *Substitute | OR | WIF | 110 | --- | N/A | N/A | 50 | --- | 2 | 0 | 3 | 0 | 95 K | FS |

## Eastern Great Basin Area (PL 3 )

New fires:
New large fires:
Uncontained large fires:
NIMOs committed: 1
Type 2 IMTs committed: 1

Salt, Salmon-Challis NF. NIMO (Houseman) and IMT 2 (Sommer). Sixteen miles southwest of Salmon, ID. Timber. Active fire behavior. Evacuations in effect.

Black Canyon, Salmon-Challis NF. Sixteen miles southwest of Salmon, ID. Timber. No new information.
Jericho, Utah DOF. Twenty-five miles south of Eureka, UT. Timber and brush. No new information. Last report unless new information is received.
*Burnt Knob, Payette NF. Twenty-three miles southeast of Elk City, ID. Timber. Creeping and smoldering. Last report unless significant activity occurs.

| Incident Name | St | Unit | Size | Size <br> Chge <br> 24 Hrs | \% <br> Ctn | Est <br> Ctn | Totl <br> Pers | Pers <br> Chge <br> $\mathbf{2 4}$ <br> Hrs | Crw | Eng | Heli | Strc <br> Lost | \$\$ <br> CTD | Origin <br> Own |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Salt | ID | SCF | 15,818 | 1,233 | 17 | UNK | 568 | 21 | 13 | 20 | 7 | 0 | 8.3 M | FS |
| Black Canyon | ID | SCF | 2,330 | --- | 15 | UNK | 47 | --- | 1 | 2 | 1 | 0 | $1.2 M$ | FS |
| Jericho | UT | SCS | 2,192 | --- | 90 | UNK | 2 | -- | 0 | 1 | 0 | 0 | 20 K | ST |
| * Burnt Knob | ID | PAF | 150 | --- | N/A | N/A | 0 | -- | 0 | 0 | 0 | 0 | 1.5 K | FS |

## Northern Rockies Area (PL 3)

New fires:
New large fires:
Uncontained large fires:
Type 1 IMTs committed:
Type 2 IMTs committed:
Forty One Complex (four fires), Bitterroot NF. IMT 1 (Poncin). Previously reported incident. Eight miles east of Hamilton, MT. Timber. Moderate fire activity.
Saddle Complex - Bitterroot Branch, Bitterroot NF. IMT 2 (Cook). Thirty miles southwest of Darby, MT.
Timber. Active fire behavior. Structures threatened.

* Stewart, Beaverhead/Deerlodge NF. IMT 2 (Heintz). Eight miles southeast of Wisdom, MT. Timber. Active fire behavior.

West Riverside, Montana DNR. Twelve miles southeast of Missoula, MT. Timber. No new information. Last report unless new information is received.

* Taylor Hills, Lewis and Clark NF. Thirty miles northwest of White Sulphur Springs, MT. Timber. Moderate fire activity. Last report unless significant activity occurs.

| Incident Name | St | Unit | Size | Size Chge 24 Hrs | $\begin{aligned} & \text { \% } \\ & \text { Ctn } \end{aligned}$ | $\begin{aligned} & \text { Est } \\ & \text { Ctn } \end{aligned}$ | Totl Pers | Pers <br> Chge <br> 24 <br> Hrs | Crw | Eng | Heli | $\begin{aligned} & \text { Strc } \\ & \text { Lost } \end{aligned}$ | $\begin{aligned} & \$ \$ \\ & \text { CTD } \end{aligned}$ | Origin Own |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Forty One Complex | MT | BRF | 4,822 | --- | N/A | N/A | 154 | --- | 6 | 6 | 0 | 0 | NR | FS |
| Saddle ComplexBitterroot Branch | MT | BRF | 14,713 | 553 | N/A | N/A | 139 | 7 | 1 | 8 | 3 | 0 | 2.9 | FS |
| * Stewart | MT | BDF | 2,017 | --- | N/A | N/A | 16 | --- | 0 | 0 | 1 | 0 | 125K | FS |
| West Riverside | MT | DNR | 3,800 | -- | 80 | UNK | 98 | --- | 4 | 1 | 1 | 3 | 5.5M | ST |
| * Taylor Hils | MT | LCF | 150 | --- | N/A | N/A | 23 | --- | 1 | 1 | 1 | 0 | 8K | FS |

## Southern California Area (PL 2)

New fires:
New large fires:
Uncontained large fires:
1
Type 1 IMTs committed:
Canyon, Kern County FD. Cal Fire IMT 1 (Chaney). Five miles southeast of Tehachapi, CA. Timber and grass. Minimal fire activity.

| Incident Name | St | Unit | Size | Size <br> Chge <br> $\mathbf{2 4 ~ H r s ~}$ | $\%$ <br> Ctn | Est <br> Ctn | Totl <br> Pers | Pers <br> Chge <br> $\mathbf{2 4}$ <br> Hrs | Crw | Eng | Heli | Strc <br> Lost | \$\$ <br> CTD |  |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Canyon | CA | KRN | 14,802 | 1,330 | 83 | $9 / 9$ | 2,039 | -60 | 68 | 181 | 5 | 30 | $7.7 M$ | CNTY |
| Own |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

LAC - Los Angeles County SQF - Sequoia NF

## Eastern Area (PL 2 )

New fires:
New large fires:
Uncontained large fires:
Type 2 IMT's committed:
Pagami Creek, Superior NF. Minnesota IMT 2 (Peterson). Thirteen miles northeast of Ely, MN. Timber and grass. Moderate fire activity.

| Incident Name | St | Unit | Size | Size <br> Chge <br> $\mathbf{2 4 ~ H r s ~}$ | $\%$ <br> Ctn | Est <br> Ctn | Totl <br> Pers | Pers <br> Chge <br> $\mathbf{2 4}$ <br> Hrs | Crw | Eng | Heli | Strc <br> Lost | \$\$ <br> CTD | Origin <br> Own |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pagami Creek | MN | SUF | 1,750 | 415 | N/A | N/A | 99 | -4 | 4 | 1 | 1 | 0 | 830 K | FS |

## Northern California Area (PL 2 )

| New fires: | 20 |
| :--- | :---: |
| New large fires: | 0 |
| Uncontained large fires: | 1 |

Onion, Klamath NF. Fifteen miles southeast of Cecilville, CA. Timber litter. No new information. Last report unless new information is received.

| Incident Name | St | Unit | Size | Size <br> Chge <br> $\mathbf{2 4 ~ H r s ~}$ | $\%$ <br> Ctn | Est <br> Ctn | Totl <br> Pers | Pers <br> Chge <br> $\mathbf{2 4}$ <br> Hrs | Crw | Eng | Heli | Strc <br> Lost | \$\$ <br> CTD | Origin <br> Own |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Onion | CA | KNF | 560 | -- | 70 | $9 / 10$ | 105 | --- | 4 | 0 | 2 | 0 | 540 K | FS |

Predictive Services Discussion: High pressure building over the West will produce hot, dry and unstable conditions across much of the Northwest, northern California, northern Rockies and western Great Basin with widely scattered, mainly dry, thunderstorms. Widely scattered thunderstorms will develop over the southwest, central and southern Rockies. Warm and dry weather will continue across most of the central and southeast US while scattered thunderstorms will produce heavy rain over parts of the Great Lakes, mid-Atlantic and New England states.

Predictive Services Outlook products: http://www.predictiveservices.nifc.gov/outlooks/outlooks.htm

## Today's discussion is from the Aviation Category.

## Mountain Flying

This outline is not all inclusive, nor is it directive in nature. Many of the subjects discussed in this outline can be found in non-mountainous areas or at low altitudes. For example, density altitudes over 8500' MSL can be found regularly on the eastern plains of Colorado in the summer. Also, dangerous mechanical and or mountain wave turbulence can be found in areas that aren't usually considered mountainous. Places like the Rocky Mountains / Sierra Front are where all of these concepts can be experienced. In addition, keep in mind that fires in any geographic area can and do produce their own localized weather and the hazards described in this outline can occur in these situations as well.

## Pilot Ability

- Carefully consider your experience and background before beginning a fire mission into mountainous terrain. Mountain flying in many areas will stretch your abilities to fly the airplane proficiently, navigate, and deal with weather. Consider your ability to react to strong winds and the up and down drafts they may cause. The aircraft gross weight and its affect on performance should be carefully considered.
Visibility
- Many experienced mountain pilots recommend having at least 15 miles of visibility before attempting mountain flights. In the fire environment, make sure you have enough visibility to safely maneuver the aircraft to avoid any obstacles. Remember, turn radius is greater due to increased TAS, engine response time is increased and thrust is reduced due to higher density altitudes....give yourself a margin.
- Winds
- Strong winds can cause some of the most dangerous conditions you'll have to contend with in the mountains. Mountain top winds in excess of 25 knots are indicative of moderate to severe turbulence at ridge top levels as well as the likelihood of very strong up and down drafts. Plan your approach / drop and leave an "out" in case you have to go through dry or encounter unexpected turbulence / down drafts. When encountering a downdraft, maintain sufficient airspeed. Jettison part / all of the load if necessary. Guard against stalling the aircraft and fly out of the downdraft immediately with full power. Proceed to an area of updraft or smoother air. Pay close attention to the forecasts at and above the mountain ridges. In the west, that usually means the 9000' and 12,000 ' wind forecasts. In the east, you'll look at lower wind level forecasts. Winds above 25 knots at these levels should be a warning sign regarding turbulence and updraft / downdraft potential.
- Mountain Wave
- When the wind speed is above about 25 knots and flowing perpendicular to the ridge lines, the air flow can form waves, much like water flowing over rocks in a stream bed. The waves form downwind from the ridge line and will be composed of very strong up and down drafts, with the probability of dangerous rotor action under the crests of the waves. If enough moisture is present, (standing) lenticular clouds can form to give a visual indication of the wave action. Standing lenticular clouds are also an indication of moderate to severe turbulence.


## Winds Through Passes

- Winds flowing through the narrow restriction of a mountain pass tend to increase in velocity. When the winds are forecast above 20 knots, be aware that this phenomenon may cause turbulence and drafts.
- Remove or secure loose articles when working around an operating helicopter.
- Be aware of the dust abatement conditions of the landing area, as blowing dust, sand, or rocks caused by the helicopter's rotor wash can be hazardous.

Remove or secure loose articles when working around an operating helicopter.

## References:

FAA-P-8740-60 / AFS-803 (1999), "Tips on Mountain Flying."
Air Traffic Manager, Denver Air Route Traffic Control Center, "Mountain Flying, Techniques and Tips" Department of Transportation Book AC91-15, "Terrain Flying."

## Have an idea? Have feedback? Share it.

ONLINE | MAIL: 6 Minutes For Safety Task Group • 3833 S. Development Ave • Boise, ID 83705 | FAX: 208-387-5250
6 Minutes Home

## Fires and Acres Yesterday

| AREA |  | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alaska | FIRES |  |  |  |  | 2 |  | 2 |
|  | ACRES |  |  |  |  | 0 |  | 0 |
| Northwest | FIRES |  |  |  | 1 | 5 | 12 | 18 |
|  | ACRES |  |  |  | 0 | 207 | 1,494 | 1,701 |
| Northern California | FIRES | 1 |  |  |  | 16 | 3 | 20 |
|  | ACRES | 5 |  |  |  | 31 | 2 | 38 |
| Southern California | FIRES |  | 11 |  |  | 20 | 2 | 33 |
|  | ACRES |  | 3 |  |  | 88 | 1 | 92 |
| Northern Rockies | FIRES | 1 |  |  |  | 6 | 5 | 12 |
|  | ACRES | 150 |  |  |  | 112 | 1,620 | 1,882 |
| Eastern Great Basin | FIRES |  |  |  |  | 2 | 3 | 5 |
|  | ACRES |  |  |  |  | 5 | 6,804 | 6,809 |
| Western Great Basin | FIRES |  |  |  |  | 2 |  | 2 |
|  | ACRES |  |  |  |  | 6 |  | 6 |
| Southwest | FIRES |  |  |  | 0 | 1 | 7 | 8 |
|  | ACRES |  |  |  | 15 | 3 | 7 | 25 |
| Rocky Mountain | FIRES | 2 | 1 |  |  | 2 | 0 | 5 |
|  | ACRES | 2 | 0 |  |  | 135 | 246 | 383 |
| Eastern Area | FIRES |  |  |  |  | 2 | 1 | 3 |
|  | ACRES |  |  |  |  | 1 | 0 | 1 |
| Southern Area | FIRES |  |  |  |  | 21 |  | 21 |
|  | ACRES |  |  |  |  | 120 |  | 120 |
| TOTAL | FIRES | 4 | 12 | 0 | 1 | 79 | 33 | 129 |
|  | ACRES | 157 | 3 | 0 | 15 | 708 | 10,174 | 11,057 |

Fires and Acres Year-to-Date

| AREA |  | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alaska | FIRES | 2 | 26 | 28 | 17 | 414 | 8 | 495 |
|  | ACRES | 8 | 47,653 | 36,823 | 7,834 | 199,818 | 1 | 292,137 |
| Northwest | FIRES | 197 | 214 | 9 | 34 | 420 | 869 | 1,743 |
|  | ACRES | 3,729 | 111,921 | 89 | 184 | 7,706 | 11,420 | 135,049 |
| Northern California | FIRES | 71 | 16 | 5 | 13 | 1,518 | 208 | 1,831 |
|  | ACRES | 62 | 2,475 | 4 | 2,178 | 7,490 | 5,736 | 17,945 |
| Southern California | FIRES | 18 | 302 | 5 | 23 | 2,811 | 344 | 3,503 |
|  | ACRES | 224 | 3,221 | 3 | 1,060 | 42,529 | 29,120 | 76,157 |
| Northern Rockies | FIRES | 467 | 79 | 6 | 7 | 461 | 574 | 1,594 |
|  | ACRES | 26,638 | 46,858 | 141 | 7 | 12,116 | 46,582 | 132,342 |
| Eastern Great Basin | FIRES | 31 | 577 | 2 | 18 | 523 | 439 | 1,590 |
|  | ACRES | 2,037 | 253,641 | 26 | 620 | 73,956 | 56,370 | 386,650 |
| Western Great Basin | FIRES | 16 | 346 | 10 | 15 | 148 | 43 | 578 |
|  | ACRES | 3,328 | 76,596 | 759 | 3 | 19,550 | 353 | 100,589 |
| Southwest | FIRES | 862 | 334 | 13 | 56 | 987 | 1,233 | 3,485 |
|  | ACRES | 34,144 | 125,770 | 5,374 | 21,634 | 633,272 | 1,282,489 | 2,102,683 |
| Rocky Mountain | FIRES | 613 | 385 | 28 | 39 | 720 | 466 | 2,251 |
|  | ACRES | 7,138 | 14,089 | 3,509 | 2,476 | 280,602 | 63,565 | 371,379 |
| Eastern Area | FIRES | 341 |  | 29 | 21 | 3,918 | 244 | 4,553 |
|  | ACRES | 355 |  | 2,815 | 100 | 26,082 | 15,935 | 45,287 |
| Southern Area | FIRES | 722 |  | 243 | 76 | 32,627 | 904 | 34,572 |
|  | ACRES | 125,844 |  | 80,486 | 56,030 | 3,316,695 | 35,303 | 3,614,358 |
| TOTAL | FIRES | 3,340 | 2,279 | 378 | 319 | 44,547 | 5,332 | 56,195 |
|  | ACRES | 203,507 | 682,224 | 130,029 | 92,126 | 4,619,816 | 1,546,874 | 7,274,576 |


| Ten Year Average Fires | 59,908 |
| :--- | ---: |
| Ten Year Average Acres | $6,078,937$ |

Prescribed Fires and Acres Yesterday

| AREA |  | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alaska | FIRES |  |  |  |  |  |  | 0 |
|  | ACRES |  |  |  |  |  |  | 0 |
| Northwest | FIRES |  |  |  |  |  |  | 0 |
|  | ACRES |  |  |  |  |  |  | 0 |
| Northern California | FIRES |  |  |  |  |  |  | 0 |
|  | ACRES |  |  |  |  |  |  | 0 |
| Southern California | FIRES |  |  |  |  |  |  | 0 |
|  | ACRES |  |  |  |  |  |  | 0 |
| Northern Rockies | FIRES |  |  |  |  |  |  | 0 |
|  | ACRES |  |  |  |  |  |  | 0 |
| Eastern Great Basin | FIRES |  |  |  |  |  |  | 0 |
|  | ACRES |  |  |  |  |  |  | 0 |
| Western Great Basin | FIRES |  |  |  |  |  |  | 0 |
|  | ACRES |  |  |  |  |  |  | 0 |
| Southwest | FIRES |  |  |  |  |  |  | 0 |
|  | ACRES |  |  |  |  |  |  | 0 |
| Rocky Mountain | FIRES |  |  |  |  |  |  | 0 |
|  | ACRES |  |  |  |  |  |  | 0 |
| Eastern Area | FIRES |  |  |  |  |  |  | 0 |
|  |  |  |  |  |  |  |  |  |
|  | ACRES |  |  |  |  |  |  | 0 |
| Southern Area | FIRES |  |  |  |  |  | 2 | 2 |
|  | ACRES |  |  |  |  |  | 1,936 | 1,936 |
| TOTAL | FIRES | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
|  | ACRES | 0 | 0 | 0 | 0 | 0 | 1,936 | 1,936 |

## Prescribed Fires and Acres Year-to-Date

| AREA |  | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alaska | FIRES |  |  | 1 | 3 | 12 |  | 16 |
|  | ACRES |  |  | 20 | 35 | 8,513 |  | 8,568 |
| Northwest | FIRES | 8 | 44 | 7 | 1 |  | 122 | 182 |
|  | ACRES | 5,268 | 6,885 | 429 | 42 |  | 8,661 | 21,285 |
| Northern California | FIRES | 15 | 16 | 22 | 21 |  | 141 | 215 |
|  | ACRES | 61 | 655 | 19,522 | 141 |  | 5,389 | 25,768 |
| Southern California | FIRES |  | 10 | 10 | 4 | 15 | 75 | 114 |
|  | ACRES |  | 756 | 1,963 | 1,060 | 2,260 | 2,090 | 8,129 |
| Northern Rockies | FIRES | 39 | 14 | 46 | 1 | 16 | 96 | 212 |
|  | ACRES | 1,321 | 893 | 8,389 | 141 | 211 | 6,610 | 17,565 |
| Eastern Great Basin | FIRES | 0 | 17 | 3 | 2 | 37 | 27 | 86 |
|  | ACRES | 54 | 8,572 | 1,023 | 678 | 738 | 7,188 | 18,253 |
| Western Great Basin | FIRES |  | 4 | 1 |  | 2 | 9 | 16 |
|  | ACRES |  | 121 | 550 |  | 64 | 296 | 1,031 |
| Southwest | FIRES | 18 | 29 | 3 | 4 |  | 88 | 142 |
|  | ACRES | 1,725 | 192,296 | 1,428 | 46 |  | 73,234 | 268,729 |
| Rocky Mountain | FIRES | 39 | 33 | 96 | 17 | 45 | 122 | 352 |
|  | ACRES | 4,787 | 5,597 | 14,339 | 4,703 | 8,554 | 30,301 | 68,281 |
| Eastern Area | FIRES | 30 |  | 349 | 32 | 844 | 137 | 1,392 |
|  | ACRES | 60,283 |  | 48,440 | 3,899 | 49,649 | 40,487 | 202,758 |
| Southern Area | FIRES | 42 |  | 142 | 24 | 1,441 | 560 | 2,209 |
|  | ACRES | 7,835 |  | 74,469 | 13,997 | 305,750 | 458,454 | 860,505 |
| TOTAL | FIRES | 191 | 167 | 680 | 109 | 2,412 | 1,377 | 4,936 |
|  | ACRES | 81,334 | 215,775 | 170,572 | 24,742 | 375,739 | 632,710 | 1,500,872 |

${ }^{* * *}$ Changes in some agency YTD acres reflect more accurate mapping or reporting adjustments. ***

Additional wildfire information is available through the Geographic Areas at http://gacc.nifc.gov/.

## Canada Fires and Hectares

| PROVINCES | FIRES YESTERDAY | HECTARES YESTERDAY | FIRES <br> YEAR-TO-DATE | HECTARES YEAR-TO-DATE |
| :---: | :---: | :---: | :---: | :---: |
| BRITISH COLUMBIA | 3 | 51 | 534 | 11,943 |
| YUKON TERRITORY | 0 | 0 | 53 | 39,746 |
| ALBERTA | 7 | 33 | 1,015 | 940,045 |
| NORTHWEST TERRITORY | 1 | 0 | 204 | 431,916 |
| SASKATCHEWAN | 1 | 5 | 261 | 339,956 |
| MANITOBA | 1 | 3 | 269 | 84,309 |
| ONTARIO | 7 | 0 | 1,109 | 627,224 |
| QUEBEC | 0 | 0 | 272 | 12,423 |
| NEWFOUNDLAND | 0 | 0 | 47 | 403 |
| NEW BRUNSWICK | 0 | 0 | 71 | 39 |
| NOVA SCOTIA | 0 | 0 | 115 | 133 |
| PRINCE EDWARD ISLAND | 0 | 0 | 1 | 1 |
| NATIONAL PARKS | 0 | 0 | 61 | 84,664 |
| TOTALS | 20 | 92 | 4,012 | 2,572,802 |

This report contains information derived from the National Fire and Aviation Management Web Applications (FAMWEB) system and other sources to provide relative information about emerging and ongoing incident activity. This information is considered operational in nature, is subject to correction, and therefore may not match official year to date agency records.
** National Interagency Coordination Center **

