

## MISSOULA FIRE WEATHER – 2008

### Location

The National Weather Service Office in Missoula is located at the Missoula Fire, Science and Technology Center, 6633 Aviation Way, 1/4 mile west of the Missoula International Airport. The mailing address is:

National Weather Service  
6633 Aviation Way  
Missoula, MT 59808

### Phone Numbers

- Fire Weather desk: (406) 329-4716
- Office: (406) 329-4715/4840
- FAX: (406) 329-4842

### Contacts

#### Administrative

Bruce Bauck  
Meteorologist in Charge  
[bruce.bauck@noaa.gov](mailto:bruce.bauck@noaa.gov)

Marty Whitmore  
Fire Wx Program Manager  
[marty.whitmore@noaa.gov](mailto:marty.whitmore@noaa.gov)

Crystal Lake  
Fire Weather Assistant  
[crystal.lake@noaa.gov](mailto:crystal.lake@noaa.gov)

#### IMETs

Bob Nester  
Incident Meteorologist  
[robert.nester@noaa.gov](mailto:robert.nester@noaa.gov)

Jennifer Via  
Incident Meteorologist  
Trainee  
[jennifer.via@noaa.gov](mailto:jennifer.via@noaa.gov)

### Internet Address

- <http://weather.gov/missoula>

### Operational Hours

- Twenty-four hour service is provided for routine and special fire weather products.

## TRAINING PROVIDED

Missoula Fire Weather Forecasters are available for training courses, workshops, seminars and other meetings requiring meteorological expertise. Training includes local and Regional courses such as S-290 and S-390, as well as pre-season refreshers for Hotshot crews, Smokejumpers, general firefighters, lookout personnel, etc. Per diem and travel costs will be paid for by the requesting agency, as outlined in the [National Agreement for Meteorological Services](#). Please give as much advance notification as possible to ensure the availability of a forecaster.

There is a need for advanced notice (3 weeks) for NWS participation within the training event or meetings. The NWS -NWSEO Negotiated Agreement provides rules for scheduling of Bargaining Unit employees. NWS management has limitations regarding modification of the work schedule after it has become fixed without paying overtime. Requests for teaching assignments and other customers meetings will be honored provided they are scheduled more than three weeks ahead of time, and they do not conflict with other Fire Weather commitments. NWS offices that serve the Northern Rockies Geographic Area will make every effort to fulfill requests for teaching assignments and customer meetings that are scheduled with less than three weeks lead time, or conflict with other Fire Weather commitments.

All Training Requests should go through the Fire Weather Program Manager, Marty Whitmore.

e-mail [Marty.Whitmore@noaa.gov](mailto:Marty.Whitmore@noaa.gov)  
and cc: [Crystal.Lake@noaa.gov](mailto:Crystal.Lake@noaa.gov)

or  
phone 406-329-4715

## FIRE WEATHER BRIEFINGS

NWS Missoula offers fire weather briefings at the office for local land managers, as well as a conference call with internet graphics for those managers at a distance.

Briefings will be held Mondays and Thursdays at 8:30 am MDT through spring burning season. Daily briefings will be held during the active fire season. Briefings will return to Mondays and Thursdays for fall burning, generally mid to late September. The timing and frequency, as well as start and end dates of this service, will be determined by user needs.

Briefings will include an informational package containing data such as satellite, radar, weather observations, etc. This information will be accessible to participants via NWS Missoula's internet homepage prior to each conference call.

The internet site for the Fire Weather Briefings is  
[www.weather.gov/missoula/fireweatherbriefing.php](http://www.weather.gov/missoula/fireweatherbriefing.php).

To participate in the conference call, the toll free number is 877-812-0276. Please call our office (406-329-4840) for the participant passcode.

## AGENCIES SERVED

The National Weather Service Office in Missoula provides fire weather services to agencies in northwest Montana and west central Idaho. Agencies served include:

<a href="#">USDA Forest Service Region 1</a>	<a href="#">Lolo NF</a> , <a href="#">Kootenai NF</a> , <a href="#">Flathead NF</a> , <a href="#">Beaverhead/Deerlodge NF</a> , <a href="#">Clearwater / Nezperce NF</a> , <a href="#">Bitterroot NF</a> , <a href="#">Northern Rockies Coordination Center (NRCC)</a>
<a href="#">Bureau of Land Management</a>	<a href="#">BLM-Idaho</a> , <a href="#">BLM-Montana</a>
<a href="#">Bureau of Indian Affairs</a>	<a href="#">Nez Perce Tribe of Idaho</a> , <a href="#">Confederated Salish and Kootenai Tribe</a>
<a href="#">Fish &amp; Wildlife Service</a>	<a href="#">FWS-Montana</a> , <a href="#">FWS-Idaho</a>
<a href="#">National Park Service</a>	<a href="#">Glacier NP</a> , <a href="#">Yellowstone NP</a>
<a href="#">State of Montana</a>	<a href="#">Department of Natural Resources and Conservation</a>
Counties (Montana)	<a href="#">Beaverhead</a> , <a href="#">Deer Lodge</a> , <a href="#">Flathead</a> , <a href="#">Granite</a> , <a href="#">Lake</a> , <a href="#">Lincoln</a> , <a href="#">Mineral</a> , <a href="#">Missoula</a> , <a href="#">Powell</a> , <a href="#">Ravalli</a> , <a href="#">Sanders</a> , <a href="#">Silverbow</a> , <a href="#">Glacier</a> , <a href="#">Madison</a> , <a href="#">Jefferson</a>
<a href="#">State of Idaho</a>	<a href="#">Idaho Department of Lands</a>
Counties (Idaho)	<a href="#">Clearwater</a> , <a href="#">Idaho</a> , <a href="#">Lewis</a> , <a href="#">Nez Perce</a> , <a href="#">Latah</a>

## FIRE CONTACTS

### [Western Region](#)

<a href="#">Meteorological Services Division (MSD)</a>	Name	801-524-4000
Chief	Craig Schmidt	ext. 262
Deputy	Carl Gorski	ext. 260
Fire Weather Program Manager	Roger Lamoni	ext. 267

### USFS Forest Dispatch Center Managers

Forest	Phone
<a href="#">Beaverhead/Deerlodge</a>	406-683-3975
<a href="#">Bitterroot</a>	406-363-7133

**Northern Rockies Annual Fire Weather Operating Plan  
Missoula Office**

<a href="#">Clearwater/ Nezperce</a>	208-983-6800
<a href="#">Flathead</a>	406-758-5260
<a href="#">Kootenai</a>	406-283-7740
<a href="#">Lolo</a>	406-829-7070

**USFS Forest/District Fire Management Officers**

<b>Forest</b>	<b>City/State</b>	<b>Phone</b>
<a href="#">Beaverhead/Deerlodge</a>	Dillon, MT	406-683-3990
Dillon District	Dillon, MT	406-683-3969
Wiseriver/Wisdom District	Wisdom, MT	406-689-3243
Sheridan/Madison District	Ennis, MT	406-682-4253
Jefferson/Butte District	Whitehall, MT	406-287-3223
Phillipsburg/Deerlodge District	Phillipsburg, MT	406-859-3211
<a href="#">Bitterroot</a>	Hamilton, MT	406-363-7135
Stevensville District	Stevensville, MT	406-777-2288/5461
Darby District	Darby, MT	406-821-4255
Sula District	Sula, MT	406-821-2325/3201
West Fork District	Darby, MT	406-821-1247/3269
Clearwater/Nezperce	Grangeville, ID	208-983-6800
<a href="#">Clearwater NF</a>		
Palouse District	Potlatch, ID	208-875-1702
North Fork District	Orofino, ID	208-476-8251
Lochsa District	Kooskia, ID	208-926-6419
Powell District	Powell, ID	208-942-3113
<a href="#">Nezperce NF</a>		
Salmon River District	Slate Creek, ID	208-839-2211
Clearwater District	Grangeville, ID	208-983-1963
Elk City/Red River District	Elk City, ID	208-842-8952
Moose Creek District	Fenn, ID	208-926-4258
<a href="#">Flathead</a>	Kalispell, MT	406-758-5261
Swan Lake District	Big Fork , MT	406-837-7527
Hungry Horse/Glacier View	Hungry Horse, MT	406-387-3834

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Missoula Office**

District		
Spotted Bear District	Hungry Horse, MT	406-758-5376/6461
Tally Lake District	Whitefish, MT	406-863-5422
<a href="#">Kootenai</a>	Libby, MT	406-283-7740
Rexford District	Eureka, MT	406-296-7173
Fortine District	Fortine, MT	406-882-8328
Three Rivers District	Troy, MT	406-295-7486
Libby District	Libby, MT	406-283-7551
Cabinet District	Trout Creek, MT	406-827-0712
<a href="#">Lolo</a>	Missoula, MT	406-329-1089
Missoula District	Missoula, MT	406-329-3852
Ninemile District	Huson, MT	406-626-5422
Seeley Lake District	Seeley Lake, MT	406-677-3915
Superior District	Superior, MT	406-822-3952
Plains District	Plains, MT	406-826-4336

USFS R-1 Regional Office

Agency	Name	Phone
<a href="#">Northern Rockies Coordination Center (NRCC)</a>		329-4880
Regional Coordinator	Kathy Elzig	329-4708
Intelligence	Colleen Finneman	329-4886
<a href="#">Fire, Aviation and Air Management</a>		329-3402
Northern Rockies Operations	Bob Gilman	329-4961
Director of Fire, Aviation & Air Management	Vacant	329-3402
Assistant Director of Fire, Aviation & Air Management	George Weldon	329-3296
Fire Cache	Pat Nooney	329-4932

Agency	Name	Phone
<a href="#">Predictive Services</a>		
Meteorologist	Michael Kreyenhagen	329-4703
Meteorologist	Vacant	329-4875
Smoke Coordinator/RAWS	Dave Grace	329-4952

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Missoula Office**

Other Agency Fire Contacts

<b>Agency</b>	<b>Name</b>	<b>Phone</b>
<a href="#">National Interagency Fire Center (Boise)</a>		208-387-5400
Weather Information Management System (WIMS)	Help Desk	208-387-5290
<a href="#">Bureau of Land Management</a>	Phil Gill	406-896-2914
Butte Office	John Thompson	406-533-7611
<a href="#">Bureau of Indian Affairs</a> , Billings	Tom Corbin	406-247-7949
Portland	Corrie Winnie	503-231-6759
Flathead Agency	Tony Harwood	406-676-2550
Nez Perce Tribe	Sandy Holt	208-843-2827
<a href="#">MT Department of Natural Resources and Conservation</a>	Ted Mead	406-542-4300
<a href="#">Idaho Department of Lands</a>	Brian Shiplett	208-765-1522
<a href="#">National Park Service</a>	Len Dems	303-969-2449
<a href="#">Glacier Park</a> FMO	Dave Soleim	406-888-5803
<a href="#">Yellowstone</a> FMO	Vacant	307-344-2180
<a href="#">Fish and Wildlife Service</a>	Jim Kelton	303-236-8125
Mountain Zones	Bob Rebarchik	406-329-4749
National Bison Range	Bill West	406-644-2211 x203
<a href="#">MT Disaster and Emergency Services</a>	Dan McGowan	406-841-3953

## ROUTINE PRODUCT ISSUANCE TIMES

### General Forecast

April - June	Morning	Daily	0700 MDT
July - September	Morning/ Afternoon	Daily	0700/1500 MDT
October - November	Mornings	Daily	0700 MDT

Specific dates of the above timeframes will be dictated by user needs.

### Fire Weather Briefing - April through October

Spring and Fall Burning	Mondays and Thursdays		0830 MDT
Wildfire Season	Daily		0830 MDT

Specific dates of the above timeframes will be dictated by user needs.

### Clearing Index Graphical Product

March - November	Morning	Daily	0700 MDT
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### National Fire Danger Rating System (NFDRS) Forecast Product

June - September	Daily		1530 MDT
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## FIRE WEATHER PLANNING FORECAST EXAMPLE

ZCZC GTFFWFMSO  
FNUS55 KMSO 261254

FIRE WEATHER PLANNING FORECAST FOR WRN MONTANA AND N CNTRL IDAHO  
NATIONAL WEATHER SERVICE MISSOULA MT  
654 AM MDT TUE APR 26 2007

...HEADLINE AS NECESSARY

DISCUSSION...THIS WOULD BE A SHORT...NON-TECHNICAL DESCRIPTION OF  
THE WEATHER PATTERN AND FEATURES OVER THE NEXT COUPLE DAYS. IT  
WILL FOCUS ON THE MAIN WEATHER CONCERNS IN THE SHORT TERM.

EXTENDED...OCCASIONALLY THE DISCUSSION MAY INCLUDE INFORMATION ON  
THE MEDIUM RANGE (DAYS 3-7). IN THESE CASES...A SEPARATE LABELED  
PARAGRAPH LIKE THIS WILL BE ADDED.

IDZ102-103-MTZ109-270015-  
PALOUSE/HELLS CANYON-CLEARWATER/NEZ PERCE-BITTERROOT-  
542 AM PDT TUE APR 26 2007 /642 AM MDT TUE APR 26 2007/

.TODAY...

SKY/WEATHER.....PARTLY CLOUDY (40-50 PERCENT).  
MAX TEMPERATURE.....69-79 VALLEYS AND 58-68 RIDGES.

MIN HUMIDITY.....17-27 PERCENT VALLEYS AND 26-36 PERCENT RIDGES.

20-FOOT WINDS.....

LOWER ELEVATION.....UPSLOPE/UPVALLEY 4-8 MPH.

RIDGE TOP.....NORTH UP TO 5 MPH.

HAINES INDEX.....3 VERY LOW.

LAL.....1.

CWR (> 0.10 INCH)...0 PERCENT.

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY (55-65 PERCENT). SLIGHT CHANCE OF  
THUNDERSTORMS.

MIN TEMPERATURE.....37-47 VALLEYS AND 30-40 RIDGES.

MAX HUMIDITY.....79-89 PERCENT.

20-FOOT WINDS.....

LOWER ELEVATION.....NORTHEAST 5-15 MPH.

RIDGE TOP.....NORTHEAST UP TO 10 MPH.

HAINES INDEX.....3 VERY LOW.

LAL.....2.

CWR (> 0.10 INCH)...10 PERCENT.

.WEDNESDAY...

SKY/WEATHER.....PARTLY CLOUDY (55-65 PERCENT). CHANCE OF  
SHOWERS.

MAX TEMPERATURE.....52-62 VALLEYS AND 39-49 RIDGES.

MIN HUMIDITY.....29-39 PERCENT VALLEYS AND 43-53 PERCENT RIDGES.

20-FOOT WINDS.....

LOWER ELEVATION.....EAST 10-20 MPH.

RIDGE TOP.....EAST 10-20 MPH.

HAINES INDEX.....2 VERY LOW.

LAL.....1.

CWR (> 0.10 INCH)...20 PERCENT.

.THURSDAY...COOLER. PARTLY CLOUDY WITH SLIGHT CHANCE OF SNOW SHOWERS. LOWS 29-39. HIGHS 55-65. EAST WINDS 10-20 MPH.  
.FRIDAY...PARTLY CLOUDY WITH SLIGHT CHANCE OF SNOW SHOWERS. LOWS 24-34. HIGHS 52-62. EAST WINDS UP TO 10 MPH.  
.SATURDAY...SLIGHT CHANCE OF SHOWERS. PARTLY CLOUDY. LOWS 24-34. HIGHS 51-61. NORTHEAST WINDS 5-15 MPH.  
.SUNDAY...PARTLY CLOUDY. LOWS 26-36. HIGHS 55-65.  
.MONDAY...SLIGHT CHANCE OF SHOWERS. MOSTLY CLOUDY. LOWS 27-37. HIGHS 58-68.

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Forecast for next geographical descriptor and fire weather zone group.

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SHORT TERM...(Forecaster Name)  
LONG TERM...(Forecaster Name)  
weather.gov/missoula

## RED FLAG CRITERIA

One or more of the following conditions, in conjunction with Very High or Extreme Fire Dangers, will be considered for Red Flag events.

1. Scattered dry thunderstorms. (A lightning storm accompanied by less than a wetting rain, 0.10 inch precipitation or less, often with very gusty winds).
2. Increased thunderstorm activity, wet or dry, during an extremely dry period.
3. A combination of low RH's and increasing strong or gusty surface winds, or abrupt increase in winds and change in direction due to the approach and passage of a cold front, squall line, or other weather phenomena other than isolated thunderstorms. See the Red Flag Decision Chart below.
4. Anytime the forecaster foresees a change in weather that would result in a significant increase in fire danger.

## RED FLAG DECISION CHART

Missoula's Fire Weather Forecasters utilize a Red Flag Decision Chart as a "first look" at the need for a Red Flag Warning, based on increasing wind and low RH. Typically Red Flag Warnings are issued when fire danger is rated "VERY HIGH" or greater. However, there may be exceptions. This chart is by no means an absolute.

Winds are sustained 10-minute average (RAWS).

## RED FLAG DECISION CHART

### RELATIVE HUMIDITY

	40%	35%	30%	25%	20%	15%	10%	5%
5	NO	NO	NO	NO	Poss	Poss	Prob	YES
10	NO	NO	NO	Poss	Poss	Prob	YES	YES
15	NO	NO	Poss	Poss	Prob	YES	YES	YES
20	NO	Poss	Poss	Prob	YES	YES	YES	YES
25	Poss	Poss	Prob	YES	YES	YES	YES	YES
30	Poss	Prob	YES	YES	YES	YES	YES	YES

Poss = Possible

Prob = Probable

Forecast Zone Descriptions

## FORECAST ZONE DESCRIPTIONS

### **ZONE 102: PALOUSE/NEZ PERCE RESERVATION/HELL'S CANYON REGION**

The northern boundary follows the southern portion of the Coeur d'Alene Indian Reservation and the Latah/Clearwater County lines. The eastern boundary originates at the intersection of the Little North Fork of the Clearwater (near the Clearwater County line) and the Clearwater/Nezperce National Forest boundary and runs south along the Forest boundary past Grangeville to the main Salmon River at Island Bar and continues south and west along the Idaho County border. The western boundary runs along the Snake River from the Coeur d'Alene Reservation to the Adams County line.

### **ZONE 103: CLEARWATER/NEZ PERCE NATIONAL FOREST**

This zone encompasses the entire combined Clearwater and Nezperce National Forests as well as the Gospel Hump and portions of the Selway Bitterroot Wilderness. Also included is the Floodwood State Forest in the vicinity of the Little North Fork of the Clearwater at the northern border of Clearwater County.

### **ZONE 104: KOOTENAI NATIONAL FOREST/TALLEY LAKE DISTRICT (FNF)**

The western and northern boundaries follow political lines along the Idaho-Montana and Canadian borders. The eastern boundary follows the Kootenai National Forest boundary south to route 93 to the Flathead National Forest boundary, north of Whitefish, east of Columbia Falls and heading south along the Forest boundary to the Lake County line. The southern boundary follows the Lake County line and Flathead National Forest boundary to the intersection of route 2 which continues south along Forest boundaries to the State border. The State protected lands on the Fisher River District are also included within this zone.

### **ZONE 105: FLATHEAD NATIONAL FOREST/GLACIER PARK/BOB MARSHALL AND MISSION MOUNTAIN WILDERNESS**

This zone starts at the intersection of the Kootenai/Flathead National Forests at the Canadian border running east and including Glacier National Park. The eastern boundary follows the Park border and intersects with the Continental Divide and runs south to the Flathead National Forest boundary. The southern boundary borders the Bob Marshall and Mission Mountain Wilderness lines. The western boundary follows the Mission Mountains and Swan range along the Forest boundary to north of Whitefish and west to route 93 to the Kootenai/Flathead National Forest boundary. This zone includes the Stillwater State Forest.

### **ZONE 106: WESTERN LOLO NATIONAL FOREST**

This zone includes the Nine Mile, Superior, Plains/Thompson Falls and western portions of the Missoula District on the Lolo National Forest. It is bounded by the Idaho-Montana border (Bitterroot Mountains) and extends northeast along the Kootenai/Lolo National Forest boundary. Moving south, this zone follows the Salish & Kootenai Indian Reservation and Lolo National Forest interface to west of Evaro tracing the Forest boundary to Huson. Crossing I-90, this zone continues south along the Forest boundary until the intersection of route 12 and continues southwestward to the State border.

**ZONE 107: SALISH & KOOTENAI INDIAN RESERVATION**

This zone is bounded by the Lolo National Forest on the west and south and the Flathead National Forest on the east and north.

**ZONE 108: EASTERN LOLO NATIONAL FOREST /WELCOME CREEK AND SCAPEGOAT WILDERNESSES**

This zone includes all of the Lolo National Forest east of Missoula and south of route 12, up to the Bitterroot National Forest boundary. It also contains the Scapegoat and most of the Welcome Creek Wildernesses. The eastern boundary starts at the tri-section of the Bob Marshall Wilderness, Continental Divide and Scapegoat Wilderness and continues southeast to the Wilderness/Lincoln District boundary. This line continues south along the Helena National Forest boundary to the intersection with the Deerlodge/Beaverhead National Forest. The southern boundary runs west from this boundary to Deer Lodge then north along Interstate 90 to the intersection with the Philipsburg District line. State protection areas include Missoula, Clearwater, Garrison, and Anaconda.

**ZONE 109: BITTERROOT NATIONAL FOREST**

This zone includes the entire Bitterroot National Forest (in both Idaho and Montana) as well as the Frank Church River of No Return Wilderness and portions of the Selway-Bitterroot Wilderness. The Stevensville District represents the northern boundary for this zone which is approximately along the Ravalli County line.

**ZONE 110: DEERLODGE/ WESTERN BEAVERHEAD NATIONAL FOREST**

The western boundary runs between Lemhi Pass northward along the Idaho-Montana border to the intersection of the Ravalli and Beaverhead County lines. This boundary continues along the Forest boundary via the Anaconda-Pintlar range and Sapphire Divide past Skalkaho Pass and across Rock Creek into the Welcome Creek Wilderness. This boundary cuts north across the John Long Mountains and intersects with Interstate 90. This zone includes the eastern-most section of this wilderness area (Lolo National Forest) which is managed by the Philipsburg District. The northern border follows Interstate 90 to Deerlodge, cuts east and runs along the Forest boundary, across the divide, and intersects with Interstate 15. The eastern boundary runs southerly and follows Interstate 15 through Butte and Dillon then along Route 41 to Clark Canyon Reservoir. The southern boundary extends west along Horse Prairie Creek to Lemhi Pass.

**ZONE 111: EASTERN BEAVERHEAD NATIONAL FOREST**

The southern boundary follows the Idaho-Montana border from Lemhi Pass along the Continental Divide (Centennial Mountains included) to Reynolds Pass. The eastern zone line continues along the Beaverhead/Gallatin National Forest boundary to north of Ennis where the Gallatin boundary intersects the Madison County line. The zone then follows the Madison County line to east of Whitehall and along the Deerlodge/Helena Forest boundary until Interstate 15 is intersected. The west boundary is identical to the east boundary of the Deerlodge/western Beaverhead National Forest zone.

**Northern Rockies Annual Fire Weather Operating Plan  
Missoula Office**

**WEATHER STATIONS**

<b>Zone</b>	<b>Station</b>	<b>WIMS #</b>	<b>County</b>	<b>Lat</b>	<b>Long</b>	<b>Elev</b>	<b>Site</b>	<b>Aspect</b>	<b>NFDRS</b>
102	<a href="#">Palouse</a>	100603	Latah	46:98	116:98	2500	Valley	Flat	X
102	<a href="#">Dent</a>	100714	Clearwater	46:62	116:22	1700	Valley	S	X
102	<a href="#">Pierce</a>	100711	Clearwater	46:50	115:83	3085	Valley	E	X
102	<a href="#">Slate Creek</a>	101037	Idaho	45:63	116:28	1568	Valley	W	X
102	<a href="#">Pittsburg Lndg</a>	101100	Idaho	45:63	116:46	1150	Valley	E	X
102	<a href="#">Shock</a>	100606	Latah	46:98	116:63	3360	Ridge	S	X
102	<a href="#">Rudo</a>	109796	Clearwater	46:50	115:99	2386			
103	<a href="#">Kelly Creek</a>	100708	Clearwater	46:66	115:16	2737	Valley	S	X
103	<a href="#">Eagle</a>		Clearwater	46:80	115:54	5700			
103	<a href="#">Powell</a>	101031	Idaho	46:51	114:69	3409	Valley	S	X
103	<a href="#">Fenn</a>	101013	Idaho	46:06	115:53	1520	Valley	SW	X
103	<a href="#">Moose Creek</a>	101028	Idaho	46:07	114:55	2460	Valley	Flat	X
103	<a href="#">Red River</a>	101045	Idaho	45:71	115:33	4600	Slope	S	X
103	<a href="#">Tess Portable</a>	100791	Idaho	45:60	116:13	4700	Valley	Flat	
104	<a href="#">Libby</a>	240107	Lincoln	48:38	115:57	2070	Valley	Flat	X
104	<a href="#">Eureka</a>	240110	Lincoln	48:90	115:02	2532	Valley	Flat	X
104	<a href="#">Troy</a>	240112	Lincoln	48:47	115:92	1950	Valley	Flat	X
104	<a href="#">BC Baldy</a>	240119	Lincoln	48:63	115:58	4300	Slope	SW	X
104	<a href="#">Trout Creek</a>	241210	Sanders	47:87	115:62	2350	Valley	Flat	X
104	<a href="#">Boorman</a>	240226	Flathead	48:13	114:72	3963	Valley	Flat	X
104	Fisher*	240118	Lincoln	48:35	115:32	2160	Valley	S	X
104	<a href="#">Yaak</a>	240120	Lincoln	48:92	115:66	3000	Valley	Flat	X
105	<a href="#">Spotted Br RS</a>	240214	Flathead	47:92	113:52	3725	Valley	S	X
105	<a href="#">Hungry Horse</a>	240217	Flathead	48:38	114:06	3225	Valley	S	X
105	<a href="#">Cyclone</a>	240223	Flathead	48:72	114:34	5300	Ridge	N	X
105	<a href="#">Condon WC</a>	241502	Missoula	47:54	113:72	3684	Slope	S	X
105	<a href="#">Fielding</a>	240225	Flathead	48:28	113:44	4599	Valley	Flat	
105	<a href="#">Spotted Bear LO</a>	240213	Flathead	47:90	113:43	7200	Ridge	W	X
112	<a href="#">Deep Creek</a>	240308	Glacier	48:36	113:12	5431	Ridge	S	
105	<a href="#">St. Mary</a>	240303	Glacier	48:73	113:43	4600	Valley	Flat	X
105	<a href="#">West Glacier</a>	240207	Flathead	48:51	113:99	3200	Valley	Flat	X
105	<a href="#">Polebridge</a>	240210	Flathead	48:78	114:28	3551	Valley	Flat	X

**Northern Rockies Annual Fire Weather Operating Plan  
Missoula Office**

<b>Zone</b>	<b>Station</b>	<b>WIMS #</b>	<b>County</b>	<b>Lat</b>	<b>Long</b>	<b>Elev</b>	<b>Site</b>	<b>Aspect</b>	<b>NFDRS</b>
105	<a href="#">Stillwater</a>	240221	Flathead	48:54	114:56	3119	Valley	S	X
106	<a href="#">Lolo Portable 1</a>	241599	Mineral	47:93	114:04	6080			
106	<a href="#">Thompson F</a>	241209	Sanders	47:58	115:28	2565	Valley	S	X
106	<a href="#">St. Regis</a>	241302	Mineral	47:31	115:11	2680	Valley	S	X
106	<a href="#">Nine Mile</a>	241507	Missoula	47:07	114:40	3300	Valley	SW	X
106	<a href="#">Pardee</a>	241308	Mineral	47:27	114:92	4367	Slope	SW	X
106	<a href="#">Plains</a>	241206	Sanders	47:71	115:26	2510	Valley	S	X
107	<a href="#">Hot Springs</a>	241211	Sanders	47:61	114:66	2880	Valley	SW	X
107	<a href="#">Jette</a>	241404	Lake	47:76	114:23	3600	Slope	Flat	X
107	<a href="#">Ronan</a>	241403	Lake	47:88	11:417	3061	Valley	Flat	
108	<a href="#">Seeley Lake</a>	241508	Missoula	47:18	113:45	4235	Valley	W	X
108	<a href="#">Missoula</a>	241513	Missoula	46:85	114:05	3200	Valley	Flat	X
108	<a href="#">Stinkwater</a>	241518	Missoula	46:85	113:39	5420	Ridge	NE	X
108	<a href="#">Point Six</a>	241519	Missoula	47:04	113:98	7400	Ridge	S	X
108	Garrison*	243108	Powell	46.54	112.74	4520	Slope	E	X
108	Saddle Mtn*	243104	Powell	46.68	113.01	6814	Ridge	Flat	X
108	Clearwater*	241517	Missoula	47.01	113.33	3900	Valley	S	X
109	<a href="#">Hells Half</a>	101019	Ravalli	45:65	114:63	8116	Ridge	SW	X
109	<a href="#">Deer Mtn</a>	242902	Ravalli	46:03	114:06	7283	Ridge	S	X
109	<a href="#">Gird</a>	242911	Ravalli	46:19	113:92	6950	Slope	S	X
109	<a href="#">West Fork</a>	242907	Ravalli	45:82	114:26	4390	Ridge	SW	X
109	<a href="#">Tepee Point</a>	242910	Ravalli	45:93	113:74	6629	Ridge	SW	X
109	<a href="#">Stevensville</a>	242904	Ravalli	46:51	114:09	3365	Valley	SW	X
109	<a href="#">Little Rock Cr</a>	242914	Ravalli	46:04	114:26	5507	Slope	E	X
109	<a href="#">Smith Creek</a>	242912	Ravalli	46:44	114:23	5650	Slope	SE	X
109	Darby*	242901	Ravalli	46.03	114.17	3887	Valley	SW	X
110	Anaconda*	244402	Deer Lodge	46.10	113.10	6000	Valley	Flat	X
110	<a href="#">Phillipsburg</a>	243002	Granite	46:32	113:30	5280	Slope	W	X
110	<a href="#">Wise River</a>	245405	Beaverhead	45:78	112:93	5704	Slope	N	X
111	<a href="#">Brenner</a>	245409	Beaverhead	44:96	113:21	6350	Slope	Flat	X
111	<a href="#">Red Rock</a>	245410	Beaverhead	44:68	111:83	6690	Valley	SW	X
111	<a href="#">Antelope</a>	245412	Beaverhead	44:68	112:54	6070	Ridge	NE	X
111	<a href="#">Ennis</a>	245501	Madison	45:12	111:26	4939	Valley	Flat	X

**Northern Rockies Annual Fire Weather Operating Plan  
Missoula Office**

Zone	Station	WIMS #	County	Lat	Long	Elev	Site	Aspect	NFDRS
111	<a href="#">Jefferson/Whitehall</a>	243204	Jefferson	45:53	112:09	4360	Valley	Flat	X
111	<a href="#">Galena</a>	243206	Jefferson	46:22	112:22	6600	Ridge	Flat	X
	<a href="#">FireLab Ptbl</a>			46.64	114.85	7318			

\* Denotes once-a-day manual observations. These sites are not on the Observation Page but are available through WIMS.

**FIRE WEATHER DISTRICT**

The Missoula Fire Weather District includes zones 102 through 111 in north-central Idaho and western Montana. See map below.

