



Casper

Interagency Dispatch Center

Local Situation Report

Prepared: 08/15/14@0924

Local	GACC	Nat'l
2	2	4

Today's Fire Danger
HIGH

INCIDENT SUMMARY for Yesterday

COUNTY AND STATE FIRES						
Unit	Inc Name	Size	Cause	Status	Location	Remarks

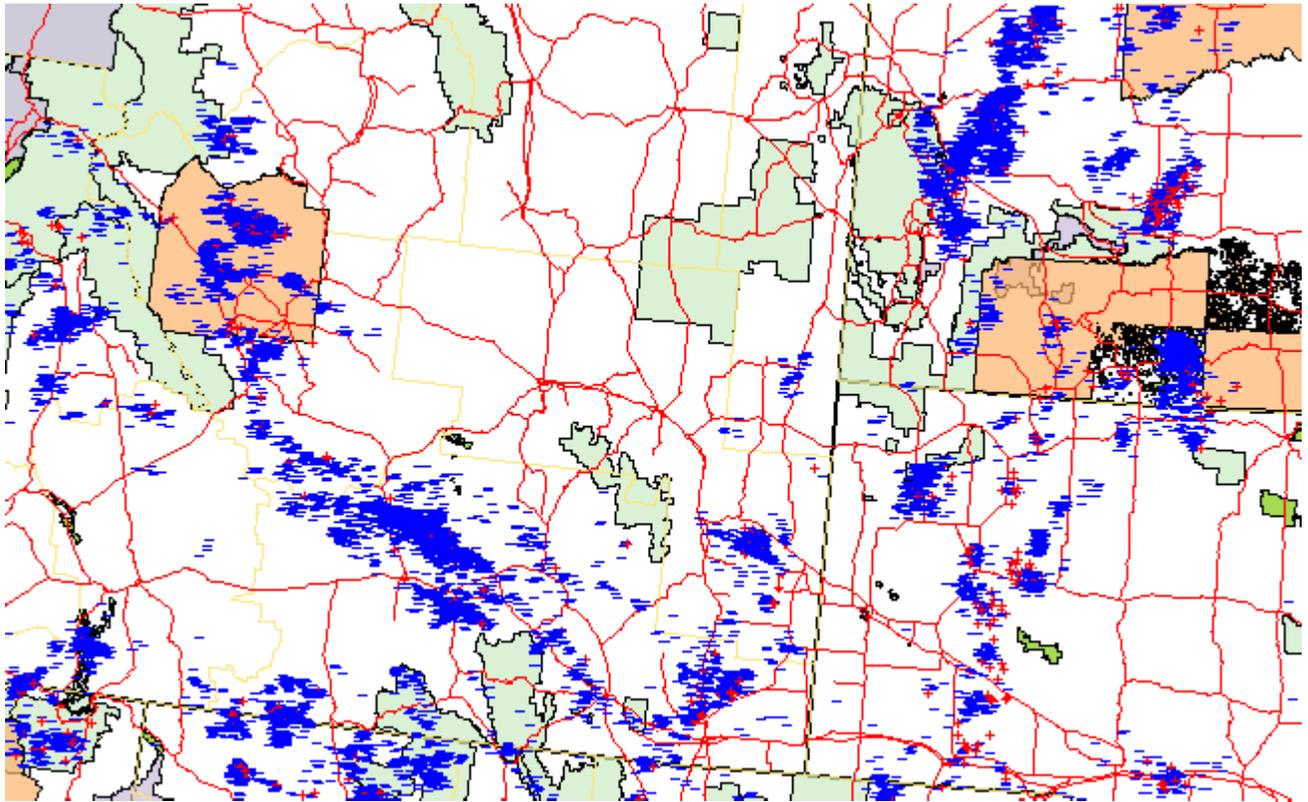
MED BOW NATIONAL FOREST						
Unit	Inc Name	Size (Acres)	Cause	Status	Location	Remarks

WHPD BLM						
Unit	Inc Name	Size	Cause	Status	Location	Remarks

Area Discussion:

Demob starting on Cromack fire. Fire Weather Watch in effect for tomorrow in Fire Weather Zone 301

Lightning Map



INDICES (forecasted/actual)

<u>FDRA</u>	Predicted Today		
	Indices	Forecasted for 8/15	Actual for 8/14
Echeta	BI	70	82
Rochelle Hills	ERC	11	8
Rochelle Hills	BI	63	48
Poker Creek	ERC	47	50
Casper Mtn	ERC	49	52
Fales Rock	BI	67	63
Sandstone	ERC	N/A	47
Esterbrook	ERC	69	47
Sawmill Park	ERC	29	29

Duty Officers for Today:

<u>Duty Officers</u>	FS - Laramie	Gonnoud
	FS - Saratoga	Rogge
	FS - Douglas	Bones
	BLM	Ellis
	State	Graham
	FS – MBF NF	Bentley
	Dispatch	Adams

Local Aviation Resources		Location	Status
	2TJ (Duncan) State	Duncan HB	Avail.
	2HX (Rawlins) BLM	Gillette attached to Cromack fire	Avail. For IA

Pumpkin Time for Aircraft for Today:

	Sunrise	Sunset	Pumpkin Time
Gillette	0605	2007	2037
Casper	0612	2007	2037
Glenrock	0610	2005	2035
Laramie	0612	2001	2031

Fire Restriction for the zone:

Agency	Date	Closed	Remarks
WEX	7/10		Weston Cnt open burning restrictions
BLM	7/10		BLM Lands Weston County
SHX	7/28		Open burning restrictions
JOX	7/17		Open burning restrictions
BLM	8/1		Open burning restrictions

Weather Discussion

WYZ280 -
NATRONA COUNTY/CASPER BLM

HIGH TEMPERATURES WILL RISE SOME 5 TO 10 DEGREES OVER THOSE OF YESTERDAY...RANGING INTO THE MID 60S IN THE MOUNTAINS TO THE MID AND UPPER 80S AT LOWER ELEVATIONS. WINDS WILL TEND NORTHWEST TO WEST AT 10 TO 15 MPH FOR MOST LOCATIONS. MINIMUM RELATIVE HUMIDITY VALUES WILL RANGE FROM THE MIDDLE AND UPPER 20S (PERCENT) AT LOWER ELEVATIONS TO THE MID 40S IN THE BIG HORN MOUNTAINS. ISOLATED TO WIDELY SCATTERED SHOWERS AND THUNDERSTORMS WILL BE POSSIBLE OVER THE MOUNTAINS THIS AFTERNOON AND EVENING. SATURDAY...TEMPERATURES WILL WARM ANOTHER 1 OR 2 DEGREES OVER THOSE OF TODAY...WITH MINIMUM RH VALUES DROPPING 5 TO 10 PERCENT. WINDS WILL BLOW OUT OF THE WEST AT 10 TO 20 MPH WITH HIGHER GUSTS WHILE VIRTUALLY NO CHANCE OF PRECIPITATION IS EXPECTED...THUS ENHANCING FIRE DANGER FOR THIS PERIOD.

...THUNDERSTORMS IMPLY STRONG GUSTY AND ERRATIC WINDS...
...HAINES INDEX IS HIGH LEVEL HAINES BOTH DAY AND NIGHT...

. TODAY ...

SKY/WEATHER.....PARTLY CLOUDY.
MAX TEMPERATURE.....84-89.
24 HR TREND.....8 DEGREES WARMER.
MIN HUMIDITY.....18-24 PERCENT.
24 HR TREND.....15 PERCENT DRIER.
20-FOOT WINDS.....NORTHWEST WINDS 10 TO 15 MPH WITH HIGHER GUSTS.
RIDGE TOP WINDS.....NORTHWEST 15 TO 20 MPH.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....WEST 15 TO 20 MPH UNTIL 1200...THEN NORTHWEST
20 TO 25 MPH.
MIXING HEIGHT.....3000-5500 FT AGL UNTIL 1200...THEN 7500-10000
FT AGL.
SMOKE DISPERSAL.....FAIR TO GOOD (56000-76000 KNOT-FT) UNTIL
1200...THEN VERY GOOD TO EXCELLENT
(138000-158000 KNOT-FT).
HAINES INDEX.....3 OR VERY LOW POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.

. TONIGHT ...

SKY/WEATHER.....PARTLY CLOUDY.
MIN TEMPERATURE.....55-60.
24 HR TREND.....2 DEGREES COOLER.
MAX HUMIDITY.....72-78 PERCENT.
24 HR TREND.....13 PERCENT DRIER.
HUMIDITY RECOVERY...EXCELLENT.
20-FOOT WINDS.....NORTHWEST WINDS AROUND 10 MPH UNTIL 2100...THEN
DOWNSLOPE/DOWNVALLEY 4-7 MPH. GUSTS UP TO 15
MPH.
RIDGE TOP WINDS.....NORTH 10 TO 15 MPH UNTIL 0300...THEN WEST.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....NORTH 15 TO 20 MPH UNTIL 0300...THEN WEST.
MIXING HEIGHT.....6500-9000 FT AGL UNTIL 2400...THEN 3500-5000 FT
AGL.
SMOKE DISPERSAL.....VERY GOOD (108000-128000 KNOT-FT) UNTIL
2400...THEN FAIR (44000-52000 KNOT-FT).
HAINES INDEX.....4 OR LOW POTENTIAL FOR LARGE PLUME DOMINATED
FIRE GROWTH.

Weather Discussion

WYZ301 -

NIOBRARA/LOWER ELEVATIONS OF CONVERSE/THUNDER BASIN NATIONAL GRASSLAND

...FIRE WEATHER WATCH IN EFFECT FROM SATURDAY AFTERNOON THROUGH SATURDAY EVENING WESTERN FWZ 301...304 AND 306 FOR GUSTY WINDS AND LOW HUMIDITIES...

.DISCUSSION...

DRIER WEATHER CONDITIONS THE NEXT SEVERAL DAYS AS THE LOW PRESSURE SYSTEM THAT BROUGHT WIDESPREAD RAIN MOVES TO THE SOUTHEAST. LOW PRESSURE CURRENTLY OVER THE PACIFIC NORTHWEST WILL MOVE INLAND AND THROUGH MONTANA SATURDAY INTO SUNDAY. TEMPERATURES BOTH SATURDAY AND SUNDAY WILL CLIMB INTO THE MID 80S...ALLOWING STRONGER WINDS FROM HIGHER IN THE ATMOSPHERE TO MIX DOWN TO THE SURFACE. THE COMBINATION OF GUSTY WINDS AND LOW HUMIDITIES MAY CREATE CRITICAL WEATHER CONDITIONS FOR WESTERN FWZ 301...304 AND 306. LOW HUMIDITIES AND GUSTY WINDS BECOME MORE WIDESPREAD SUNDAY AS THE LOW MOVES INTO EASTERN MONTANA. CRITICAL FIRE WEATHER CONDITIONS COULD BECOME MORE WIDESPREAD SUNDAY AFTERNOON. WINDS LOOK TO EASE MONDAY AS THE SURFACE LOW MOVES WELL EAST OF MONTANA THROUGH THE DAY.

...**FIRE WEATHER WATCH IN EFFECT FROM SATURDAY AFTERNOON THROUGH SATURDAY EVENING...**

.**TODAY...**

SKY/WEATHER.....PARTLY CLOUDY.
MAX TEMPERATURE.....84-89.
24 HR TREND.....7 DEGREES WARMER.
MIN HUMIDITY.....22-28 PERCENT.
24 HR TREND.....16 PERCENT DRIER.
20-FOOT WINDS.....NORTHWEST AROUND 10 MPH AND GUSTY.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....NORTHWEST 10 TO 15 MPH.
MIXING HEIGHT.....6100-7000 FT AGL INCREASING TO 8200-9700 FT AGL
IN THE AFTERNOON.
SMOKE DISPERSAL.....GOOD (69300 KNOT-FT) INCREASING TO VERY GOOD
(130900 KNOT-FT) IN THE AFTERNOON.
HAINES INDEX.....2 OR VERY LOW POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.

.**TONIGHT...**

SKY/WEATHER.....PARTLY CLOUDY.
MIN TEMPERATURE.....57-62.
24 HR TREND.....1 DEGREE COOLER.
MAX HUMIDITY.....77-83 PERCENT.
24 HR TREND.....4 PERCENT DRIER.
HUMIDITY RECOVERY...EXCELLENT.
20-FOOT WINDS.....NORTHWEST AROUND 5 MPH.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....NORTHWEST 5 TO 10 MPH.
MIXING HEIGHT.....4000-4900 FT AGL DECREASING TO 400 FT AGL AFTER
MIDNIGHT.
SMOKE DISPERSAL.....POOR TO FAIR (1900-41400 KNOT-FT).
HAINES INDEX.....3 OR VERY LOW POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.

Weather Discussion

WYZ307 -
SNOWY RANGE/MEDICINE BOW NF

...FIRE WEATHER WATCH IN EFFECT FROM SATURDAY AFTERNOON THROUGH SATURDAY EVENING WESTERN FWZ 301...304 AND 306 FOR GUSTY WINDS AND LOW HUMIDITIES...

.DISCUSSION...

DRIER WEATHER CONDITIONS THE NEXT SEVERAL DAYS AS THE LOW PRESSURE SYSTEM THAT BROUGHT WIDESPREAD RAIN MOVES TO THE SOUTHEAST. LOW PRESSURE CURRENTLY OVER THE PACIFIC NORTHWEST WILL MOVE INLAND AND THROUGH MONTANA SATURDAY INTO SUNDAY. TEMPERATURES BOTH SATURDAY AND SUNDAY WILL CLIMB INTO THE MID 80S...ALLOWING STRONGER WINDS FROM HIGHER IN THE ATMOSPHERE TO MIX DOWN TO THE SURFACE. THE COMBINATION OF GUSTY WINDS AND LOW HUMIDITIES MAY CREATE CRITICAL WEATHER CONDITIONS FOR WESTERN FWZ 301...304 AND 306. LOW HUMIDITIES AND GUSTY WINDS BECOME MORE WIDESPREAD SUNDAY AS THE LOW MOVES INTO EASTERN MONTANA. CRITICAL FIRE WEATHER CONDITIONS COULD BECOME MORE WIDESPREAD SUNDAY AFTERNOON. WINDS LOOK TO EASE MONDAY AS THE SURFACE LOW MOVES WELL EAST OF MONTANA THROUGH THE DAY.

.TODAY...

SKY/WEATHER.....PARTLY CLOUDY. ISOLATED SHOWERS AND THUNDERSTORMS AFTER 1200.
MAX TEMPERATURE.....66-74.
24 HR TREND.....6 DEGREES WARMER.
MIN HUMIDITY.....29-35 PERCENT.
24 HR TREND.....22 PERCENT DRIER.
20-FOOT WINDS.....WEST 10 TO 15 MPH.
LAL.....1 UNTIL 0900...THEN 2 UNTIL 1500...THEN 3.
CHC OF WETTING RAIN. 10 PERCENT.
TRANSPORT WINDS.....WEST AROUND 20 MPH.
MIXING HEIGHT.....5400-6400 FT AGL INCREASING TO 7400-9000 FT AGL IN THE AFTERNOON.
SMOKE DISPERSAL.....VERY GOOD (100300 KNOT-FT) INCREASING TO EXCELLENT (151000 KNOT-FT) IN THE AFTERNOON.
HAINES INDEX.....3 OR VERY LOW POTENTIAL FOR LARGE PLUME DOMINATED FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY.
MIN TEMPERATURE.....46-52.
24 HR TREND.....1 DEGREE COOLER.
MAX HUMIDITY.....66-72 PERCENT.
24 HR TREND.....12 PERCENT DRIER.
HUMIDITY RECOVERY...POOR.
20-FOOT WINDS.....WEST 5 TO 10 MPH.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....WEST AROUND 15 MPH.
MIXING HEIGHT.....3900-4700 FT AGL DECREASING TO 200-700 FT AGL AFTER MIDNIGHT.
SMOKE DISPERSAL.....POOR TO FAIR (6400-51400 KNOT-FT).
HAINES INDEX.....3 OR VERY LOW POTENTIAL FOR LARGE PLUME DOMINATED FIRE GROWTH.