



Local Situation Report

Prepared: 07-21-2014@0951

Local	GACC	Nat'l
1	1	3

Today's Fire Danger
HIGH

INCIDENT SUMMARY for Yesterday

COUNTY AND STATE FIRES						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u>	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>
WY-WEX	Horsethief Canyon	0.25	L	U/K	T47N R61W Sec8	Weston county called in to Casper Dispatch
WY-CMX	Echeta	40	H	Contained	T52N R75W Sec6	Human caused field in Hay field
WY-NAX	Bryan Stock	0.25	H	Out	T34N R79W Sec35	Human caused fire near Bryan Stock Trail pond

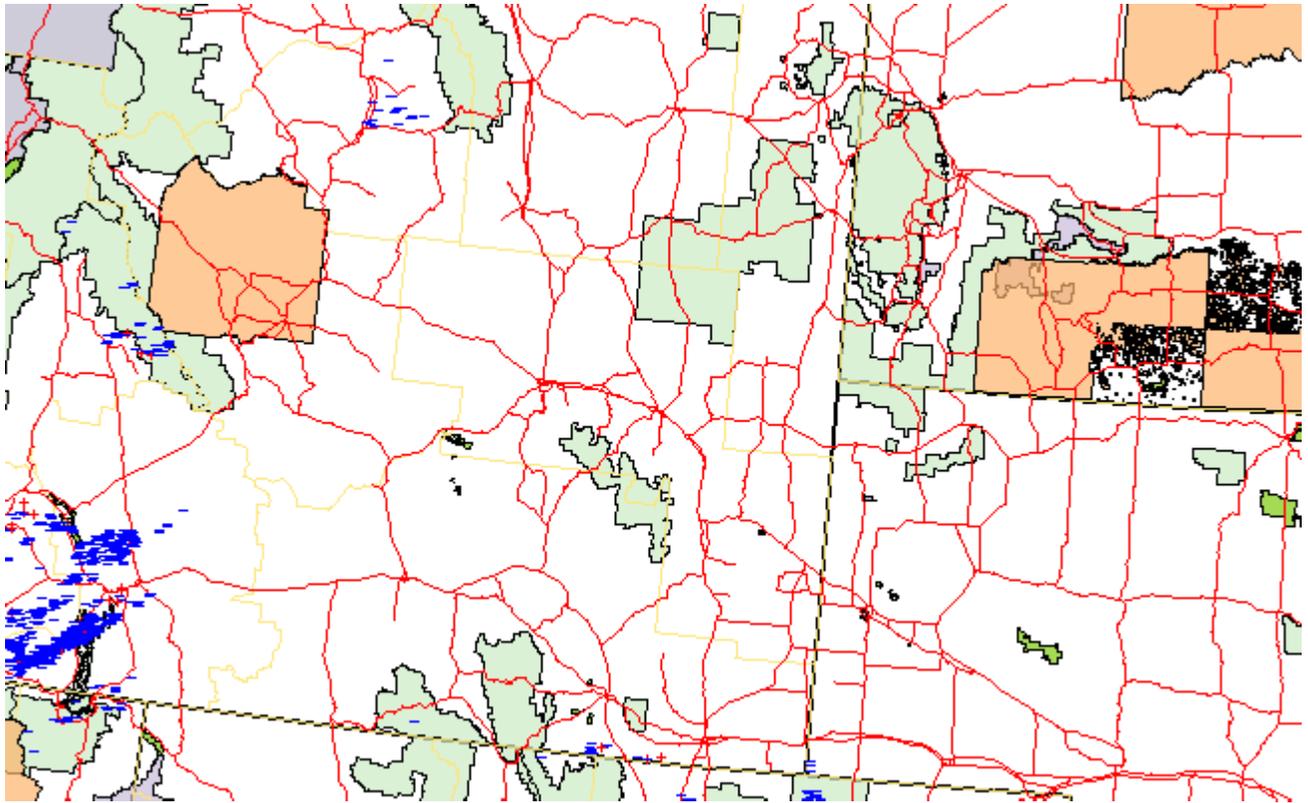
MED BOW NATIONAL FOREST						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u> (Acres)	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>
WY-BCH	Holroyd	1	U		T12N R81W Sec9	

WHPD BLM						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u>	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>

Area Discussion:

Red Flag warnings in effect for Zones 280, 301, 302, and 306 today for wind and low RH's.

Lightning Map



INDICES (forecasted/actual)

<u>FDRA</u>	Predicted Today		
	Indices	Forecasted for 07/21	Actual for 07/20
Echeta	BI	No readings	59
Rochelle Hills	BI	Due to WIMS outage	96
Rochelle Hills	ERC		22
Poker Creek	ERC		59
Casper Mtn	ERC		62
Fales Rock	BI		124
Sandstone	ERC		69
Esterbrook	ERC		49
Sawmill Park	ERC		44

Duty Officers for Today:

<u>Duty Officers</u>	FS - Laramie	Gonnoud	Local Aviation Resources		Location	Status
	FS - Saratoga	Rogge		2TJ (Duncan) State	Cody	Committed
	FS - Douglas	Westbrook		2HX (Rawlins) BLM	Off unit	Committed
	BLM	Ellis				
	State	Fallbeck				
	FS – MBF NF	Miller				
	Dispatch	Adams				

Pumpkin Time for Aircraft for Today:

	Sunrise	Sunset	Pumpkin Time
Gillette	0538	2038	2108
Casper	0546	2037	2107
Glenrock	0544	2035	2105
Laramie	0547	2030	2100

Fire Restriction for the zone:

Agency	Date	Closed	Remarks
WEX	7/10		Weston Cnt open burning restrictions
BLM	7/10		BLM Lands Weston County

Weather Discussion

WYZ280 -
NATRONA COUNTY/CASPER BLM

A COMBINATION OF LOW RELATIVE HUMIDITY AND A GUSTY WEST TO SOUTHWEST WIND WILL CONTINUE CRITICAL FIRE WEATHER FOR ZONE 280 TODAY. PLEASE SEE THE RED FLAG WARNING FOR DETAILS. OTHERWISE EXPECT A HOT...BREEZY AND MAINLY DRY DAY TODAY WITH THE EXCEPTION OF THE FOOTHILLS OF THE BIGHORN RANGE WHERE A THUNDERSTORM COULD MOVE OFF THE MOUNTAINS. TUESDAY LOOKS TO BE A MAINLY DRY DAY WITH SOMEWHAT LESS FIRE DANGER SINCE WINDS WILL BE LIGHTER. FIRE DANGER MAY INCREASE AGAIN ON WEDNESDAY WITH A COMBINATION OF HOT TEMPERATURES...LOW HUMIDITY AND THE RETURN OF A GUSTY WEST TO SOUTHWEST BREEZE.

...RED FLAG WARNING IN EFFECT FROM NOON TODAY TO 8 PM MDT THIS EVENING...

.TODAY...

SKY/WEATHER.....PARTLY CLOUDY UNTIL 1200...THEN MOSTLY SUNNY.
MAX TEMPERATURE.....88-93.
24 HR TREND.....2 DEGREES COOLER.
MIN HUMIDITY.....9-15 PERCENT.
24 HR TREND.....2 PERCENT WETTER.
20-FOOT WINDS.....BREEZY. SOUTHWEST WINDS 20 TO 25 MPH. GUSTS UP TO 30 MPH UNTIL 1200...THEN 35 MPH.
RIDGE TOP WINDS.....SOUTHWEST 20 TO 25 MPH UNTIL 1200...THEN WEST AROUND 30 MPH.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....SOUTHWEST 25 TO 30 MPH.
MIXING HEIGHT.....3500-6000 FT AGL UNTIL 1200...THEN 8500-11000 FT AGL.
SMOKE DISPERSAL.....GOOD TO VERY GOOD (94000-114000 KNOT-FT) UNTIL 1200...THEN EXCELLENT (210000-230000 KNOT-FT).
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME DOMINATED FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....MOSTLY CLEAR.
MIN TEMPERATURE.....56-61.
24 HR TREND.....5 DEGREES COOLER.
MAX HUMIDITY.....63-69 PERCENT.
24 HR TREND.....19 PERCENT WETTER.
HUMIDITY RECOVERY...GOOD.
20-FOOT WINDS.....WEST WINDS AROUND 20 MPH WITH GUSTS TO AROUND 30 MPH UNTIL 2100...THEN NORTH AND GUSTY UNTIL 2400...THEN DOWNSLOPE/DOWNVALLEY 4-7 MPH.
RIDGE TOP WINDS.....WEST AROUND 20 MPH UNTIL 2100...THEN NORTH UNTIL 2400...THEN AROUND 5 MPH UNTIL 0300...THEN SOUTHWEST.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....WEST AROUND 25 MPH UNTIL 2100...THEN NORTH UNTIL 2400...THEN AROUND 10 MPH UNTIL 0300...THEN SOUTHWEST.
MIXING HEIGHT.....9000-11500 FT AGL UNTIL 2400...THEN 4000-6500 FT AGL.
SMOKE DISPERSAL.....EXCELLENT (160000-180000 KNOT-FT) UNTIL 2400...THEN FAIR TO GOOD (42000-62000 KNOT-FT).
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME DOMINATED FIRE GROWTH

Weather Discussion

WYZ301 -

NIOBRARA/LOWER ELEVATIONS OF CONVERSE/THUNDER BASIN NATIONAL GRASSLAND

...RED FLAG WARNING IN EFFECT UNTIL 8 PM MDT THIS EVENING FOR FIRE WEATHER ZONES 301...302 AND 306 FOR LOW HUMIDITIES AND GUSTY WINDS...

.DISCUSSION...

HIGH PRESSURE OVER COLORADO AND WESTERN WYOMING WILL KEEP THE AREA DRY TODAY. VERY HOT TEMPERATURES TODAY AS AFTERNOON HIGHS TOP OUT IN THE MID 90S ACROSS SOUTHEAST WYOMING AND OVER 100 IN THE NEBRASKA PANHANDLE. GUSTY WINDS FROM VERY HIGH IN THE ATMOSPHERE WILL MIX DOWN TO GROUND LEVEL CREATING WIND GUSTS IN EXCESS OF 35 MPH TODAY. AFTERNOON HUMIDITIES TO FALL INTO THE UPPER SINGLE DIGITS WEST OF THE LARAMIE RANGE AND LOW TO MID TEENS EAST. COOLER TEMPERATURES EXPECTED TUESDAY AND WEDNESDAY WITH SOME CHANCES FOR WETTING RAINS WEDNESDAY AFTERNOON.

...**RED FLAG WARNING IN EFFECT UNTIL 8 PM MDT THIS EVENING...**

.TODAY...

SKY/WEATHER.....PARTLY CLOUDY. ISOLATED THUNDERSTORMS
NORTH AND EAST AFTER 1500.

MAX TEMPERATURE.....95-100.

24 HR TREND.....UNCHANGED.

MIN HUMIDITY.....8-14 PERCENT.

24 HR TREND.....1 PERCENT WETTER.

20-FOOT WINDS.....WEST 10 TO 15 MPH. GUSTS UP TO 20 MPH
INCREASING TO 30 MPH IN THE AFTERNOON.

LAL.....1 UNTIL 1200...THEN 2.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....WEST AROUND 15 MPH INCREASING TO AROUND 25 MPH
IN THE AFTERNOON.

MIXING HEIGHT.....10100-11300 FT AGL INCREASING TO 14700-16400 FT
AGL IN THE AFTERNOON.

SMOKE DISPERSAL.....EXCELLENT (150900 KNOT-FT) INCREASING TO
EXCELLENT (298900 KNOT-FT) IN THE AFTERNOON.

HAINES INDEX.....4 OR LOW POTENTIAL FOR LARGE PLUME DOMINATED
FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY.

MIN TEMPERATURE.....59-64.

24 HR TREND.....6 DEGREES COOLER.

MAX HUMIDITY.....68-74 PERCENT.

24 HR TREND.....20 PERCENT WETTER.

HUMIDITY RECOVERY...POOR.

20-FOOT WINDS.....NORTHWEST 5 TO 10 MPH. GUSTS UP TO 20 MPH IN
THE EVENING.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....NORTHWEST 10 TO 15 MPH.

MIXING HEIGHT.....7800-8700 FT AGL DECREASING TO 300 FT AGL AFTER
MIDNIGHT.

SMOKE DISPERSAL.....VERY GOOD (112900 KNOT-FT) DECREASING TO POOR
(2500 KNOT-FT) AFTER MIDNIGHT.

HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH

Weather Discussion

WYZ307 -
SNOWY RANGE/MEDICINE BOW NF

...RED FLAG WARNING IN EFFECT UNTIL 8 PM MDT THIS EVENING FOR FIRE WEATHER ZONES 301...302 AND 306 FOR LOW HUMIDITIES AND GUSTY WINDS...

.DISCUSSION...

HIGH PRESSURE OVER COLORADO AND WESTERN WYOMING WILL KEEP THE AREA DRY TODAY. VERY HOT TEMPERATURES TODAY AS AFTERNOON HIGHS TOP OUT IN THE MID 90S ACROSS SOUTHEAST WYOMING AND OVER 100 IN THE NEBRASKA PANHANDLE. GUSTY WINDS FROM VERY HIGH IN THE ATMOSPHERE WILL MIX DOWN TO GROUND LEVEL CREATING WIND GUSTS IN EXCESS OF 35 MPH TODAY. AFTERNOON HUMIDITIES TO FALL INTO THE UPPER SINGLE DIGITS WEST OF THE LARAMIE RANGE AND LOW TO MID TEENS EAST. COOLER TEMPERATURES EXPECTED TUESDAY AND WEDNESDAY WITH SOME CHANCES FOR WETTING RAINS WEDNESDAY AFTERNOON.

.TODAY...

SKY/WEATHER.....MOSTLY SUNNY UNTIL 0900...THEN PARTLY CLOUDY.
ISOLATED SHOWERS AND THUNDERSTORMS AFTER 1500.
MAX TEMPERATURE.....75-83.
24 HR TREND.....1 DEGREE WARMER.
MIN HUMIDITY.....13-19 PERCENT.
24 HR TREND.....1 PERCENT DRIER.
20-FOOT WINDS.....SOUTHWEST 15 TO 20 MPH WITH HIGHER GUSTS.
LAL.....1 UNTIL 1500...THEN 2.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....SOUTHWEST 25 TO 30 MPH.
MIXING HEIGHT.....9200-10300 FT AGL INCREASING TO 13300-14800 FT
AGL IN THE AFTERNOON.
SMOKE DISPERSAL.....EXCELLENT (215800 KNOT-FT) INCREASING TO
EXCELLENT (347400 KNOT-FT) IN THE AFTERNOON.
HAINES INDEX.....4 OR LOW POTENTIAL FOR LARGE PLUME DOMINATED
FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY.
MIN TEMPERATURE.....49-54.
24 HR TREND.....2 DEGREES COOLER.
MAX HUMIDITY.....46-52 PERCENT.
24 HR TREND.....16 PERCENT DRIER.
HUMIDITY RECOVERY...POOR.
20-FOOT WINDS.....SOUTHWEST 10 TO 15 MPH AND GUSTY.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....SOUTHWEST 20 TO 25 MPH.
MIXING HEIGHT.....7000-7800 FT AGL DECREASING TO 300 FT AGL AFTER
MIDNIGHT.
SMOKE DISPERSAL.....EXCELLENT (154200 KNOT-FT) DECREASING TO POOR
(6000 KNOT-FT) AFTER MIDNIGHT.
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.