



Local Situation Report

Prepared: September 3, 2014 @ 0930

Local	GACC	Nat'l
2	1	2

Today's Fire Danger
Moderate / High

INCIDENT SUMMARY for Yesterday

COUNTY AND STATE FIRES						
Unit	Inc Name	Size	Cause	Status	Location	Remarks
COX	VR Hayfield	10 acres	H	out	42 44 25 x 106 0 51	County responded and dealt with this fire, 2TJ flew over it but where not needed
JOX	North Fork	1.5 acres	H	out	T44N R81W Sec 20	County Engine / BLM Engine 2603 responded

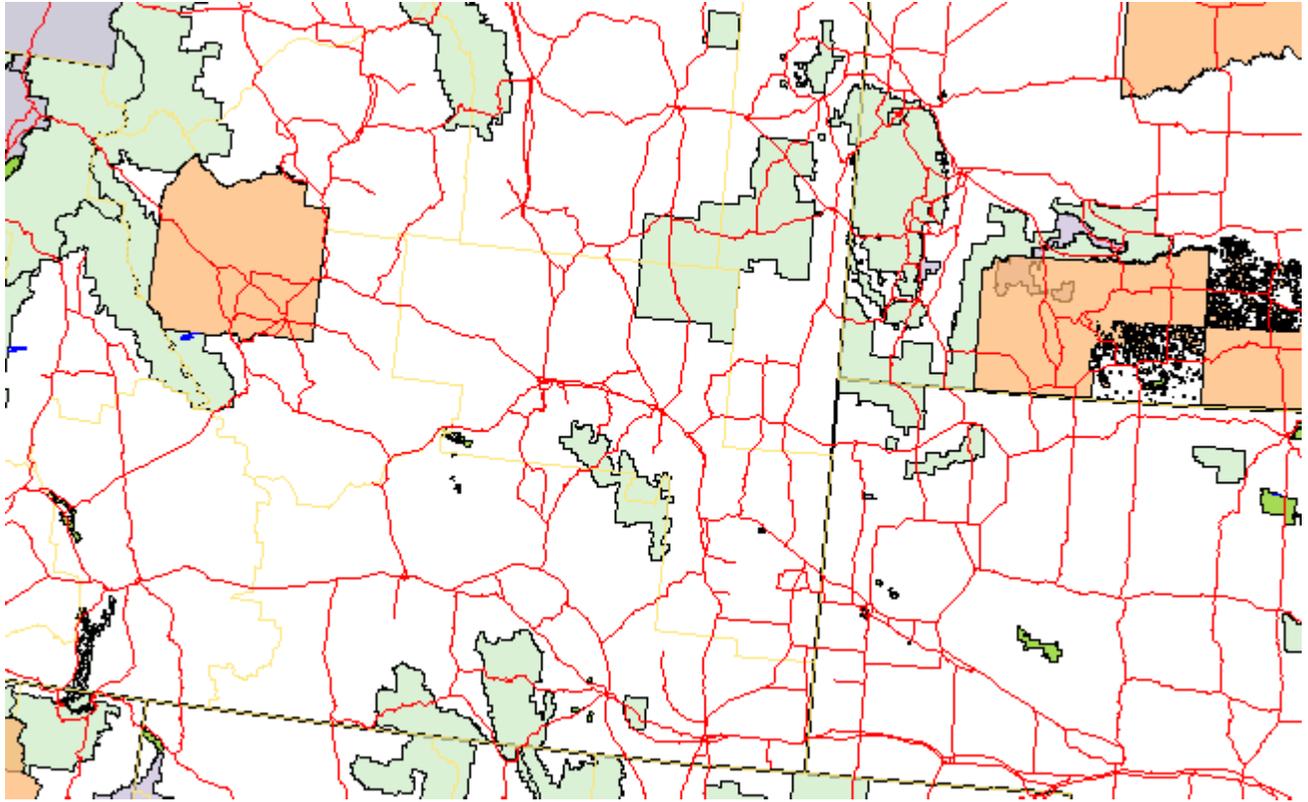
MED BOW NATIONAL FOREST						
Unit	Inc Name	Size (Acres)	Cause	Status	Location	Remarks

WHPD BLM						
Unit	Inc Name	Size	Cause	Status	Location	Remarks

Area Discussion:

Fairly quiet day in the zone with only 2 new fire. Red Flag warning for the zone again today.

Lightning Map



INDICES (forecasted/actual)

FDRA	Predicted Today		
	Indices	Forecasted for	Actual for
Echeta	BI	60	61
Rochelle Hills	ERC	19	19
Rochelle Hills	BI	101	74
Poker Creek	ERC	53	52
Casper Mtn	ERC	45	45
Fales Rock	BI	112	112
Sandstone	ERC	N/A	25
Esterbrook	ERC	49	44
Sawmill Park	ERC	32	28

Duty Officers for Today:

<u>Duty Officers</u>	FS - Laramie	Reynolds
	FS - Saratoga	Rogge
	FS - Douglas	Westbrook
	BLM	Ellis
	State	Fallbeck
	FS – MBF NF	Bentley
	Dispatch	Rob

Local Aviation Resources		Location	Status
	2TJ (Duncan) State	home	available
	2HX (Rawlins) BLM		

Pumpkin Time for Aircraft for Today:

	Sunrise	Sunset	Pumpkin Time
Gillette	627	1934	2004
Casper	632	1936	2006
Glenrock	630	1934	2004
Laramie	631	1932	2004

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

...RED FLAG WARNING FOR ALL ZONES EXCEPT FOR 300 THIS AFTERNOON AND EVENING...

VERY LOW HUMIDITY AND WINDY WEST TO SOUTHWEST WIND WILL REDEVELOP ONCE WE BECOME FULLY MIXED THIS AFTERNOON, AND WILL BE MUCH MORE EXTENSIVE THAN THEY WERE ON TUESDAY, RESULTING IN ELEVATED TO EXTREME FIRE WEATHER CONDITIONS. IN ADDITION IT WILL BE MORE UNSTABLE TODAY WITH A HAINES INDEX OF 5 OR 6 ACROSS THE DISPATCH AREA. ALSO, A DRY COLD FRONT WILL DROP SOUTH INTO JOHNSON COUNTY LATE THIS AFTERNOON AND THEN INTO NATRONA COUNTY THIS EVENING, WITH A SUDDEN SHIFT IN DIRECTION TO THE NORTH WITH WINDS REMAINING GUSTY. MAINLY DRY...BUT COOLER ON THURSDAY WITH LIGHTER WINDS. A PUSH OF MID LEVEL MOISTURE AND CONTINUED WEAK INSTABILITY MAY BE ENOUGH FOR SOME ISOLATED DRY THUNDERSTORMS ON FRIDAY AFTERNOON ESPECIALLY ACROSS SOUTHERN PORTIONS OF THE DISPATCH AREA.

...THUNDERSTORMS IMPLY STRONG GUSTY AND ERRATIC WINDS...

...HAINES INDEX IS HIGH LEVEL HAINES BOTH DAY AND NIGHT...

234 AM MDT WED SEP 3 2014

...RED FLAG WARNING IN EFFECT FROM NOON TODAY TO 9 PM MDT THIS EVENING...

.TODAY...

SKY/WEATHER.....MOSTLY SUNNY.

MAX TEMPERATURE.....84-89.

24 HR TREND.....4 DEGREES WARMER.

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

24 HR TREND.....3 PERCENT WETTER.

20-FOOT WINDS.....WINDY. SOUTHWEST WINDS 15 TO 20 MPH WITH GUSTS TO AROUND 25 MPH UNTIL 1200...THEN WEST 25 TO 30 MPH WITH GUSTS TO AROUND 45 MPH.

RIDGE TOP WINDS.....SOUTHWEST 20 TO 25 MPH UNTIL 1200, THEN WEST 30 TO 35 MPH.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....SOUTHWEST 20 TO 25 MPH UNTIL 1200...THEN WEST 35 TO 40 MPH.

MIXING HEIGHT.....1500-4000 FT AGL UNTIL 1200...THEN 7500-10000 FT AGL.

SMOKE DISPERSAL.....FAIR TO GOOD (52000-72000 KNOT-FT) UNTIL 1200...THEN EXCELLENT (230000-250000 KNOT-FT).

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

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY.

MIN TEMPERATURE.....44-49.

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

MAX HUMIDITY.....67-73 PERCENT.

24 HR TREND.....18 PERCENT WETTER.

HUMIDITY RECOVERY...GOOD.

20-FOOT WINDS.....BREEZY. WEST WINDS AROUND 25 MPH WITH GUSTS TO AROUND 35 MPH UNTIL 2100...THEN NORTH 15 TO 20 MPH WITH GUSTS TO AROUND 25 MPH UNTIL 0300...THEN AROUND 10 MPH WITH GUSTS TO AROUND 15 MPH.

RIDGE TOP WINDS.....WEST AROUND 30 MPH UNTIL 2100...THEN NORTH 20 TO 25 MPH UNTIL 0300...THEN AROUND 15 MPH.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....WEST 25 TO 30 MPH UNTIL 2400...THEN NORTHEAST 15 TO 20 MPH.

MIXING HEIGHT.....6000-8500 FT AGL UNTIL 2400...THEN 1000-1500 FT AGL.

SMOKE DISPERSAL.....EXCELLENT (190000-210000 KNOT-FT) UNTIL 2400...THEN POOR (10000-20000 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

ONE MORE VERY WARM DAY IS EXPECTED OVER THE DISTRICTS TODAY WITH DRY CONDITIONS. WINDS WILL ALSO INCREASE AND BE GUSTY MAINLY AROUND THE MOUNTAINS THIS AFTERNOON AND WILL COMBINE WITH LOW RELATIVE HUMIDITIES TO PRODUCE CRITICAL OR NEAR-CRITICAL FIRE WEATHER CONDITIONS ONCE AGAIN...THOUGH A LITTLE MORE WIDESPREAD THIS AFTERNOON.

A COLD FRONT WILL MOVE ACROSS THE AREA TONIGHT WITH MUCH COOLER AIR ALLEVIATING FIRE WEATHER CONCERNS FRIDAY INTO THE WEEKEND.

310 AM MDT WED SEP 3 2014

...RED FLAG WARNING IN EFFECT FROM NOON TODAY TO 7 PM MDT THIS EVENING...

.TODAY...

SKY/WEATHER.....SUNNY.

MAX TEMPERATURE.....87-93.

24 HR TREND.....7 DEGREES WARMER.

MIN HUMIDITY.....13 PERCENT.

24 HR TREND.....UNCHANGED.

20-FOOT WINDS.....SOUTHWEST UP TO 15 MPH WITH HIGHER GUSTS SHIFTING TO THE WEST WITH GUSTS TO AROUND 35 MPH IN THE AFTERNOON.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....WEST AROUND 20 MPH INCREASING TO AROUND 30 MPH IN THE AFTERNOON.

MIXING HEIGHT.....4400-6300 FT AGL INCREASING TO 12200-13700 FT AGL IN THE AFTERNOON.

SMOKE DISPERSAL.....GOOD (95600 KNOT-FT) INCREASING TO EXCELLENT (357000 KNOT-FT) IN THE AFTERNOON.

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

.TONIGHT...

SKY/WEATHER.....MOSTLY CLEAR.

MIN TEMPERATURE.....47-52.

24 HR TREND.....UNCHANGED.

MAX HUMIDITY.....59-65 PERCENT.

24 HR TREND.....20 PERCENT DRIER.

HUMIDITY RECOVERY...FAIR.

20-FOOT WINDS.....NORTHWEST 10 TO 20 MPH WITH GUSTS TO AROUND 35 MPH.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....NORTHWEST AROUND 20 MPH.

MIXING HEIGHT.....7500-8700 FT AGL DECREASING TO 800-1300 FT AGL AFTER MIDNIGHT.

SMOKE DISPERSAL.....EXCELLENT (153700 KNOT-FT) DECREASING TO POOR (15000 KNOT-FT) AFTER MIDNIGHT.

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

Weather Discussion

WYZ307 -

SNOWY RANGE/MEDICINE BOW NF

ONE MORE VERY WARM DAY IS EXPECTED OVER THE DISTRICTS TODAY WITH DRY CONDITIONS. WINDS WILL ALSO INCREASE AND BE GUSTY MAINLY AROUND THE MOUNTAINS THIS AFTERNOON AND WILL COMBINE WITH LOW RELATIVE HUMIDITIES TO PRODUCE CRITICAL OR NEAR-CRITICAL FIRE WEATHER CONDITIONS ONCE AGAIN...THOUGH A LITTLE MORE WIDESPREAD THIS AFTERNOON.

A COLD FRONT WILL MOVE ACROSS THE AREA TONIGHT WITH MUCH COOLER AIR ALLEVIATING FIRE WEATHER CONCERNS FRIDAY INTO THE WEEKEND.

310 AM MDT WED SEP 3 2014

.TODAY...

SKY/WEATHER.....MOSTLY SUNNY.

MAX TEMPERATURE.....70-78.

24 HR TREND.....5 DEGREES WARMER.

MIN HUMIDITY.....13-19 PERCENT.

24 HR TREND.....1 PERCENT DRIER.

20-FOOT WINDS.....BREEZY. SOUTHWEST 10 TO 25 MPH WITH GUSTS TO AROUND 45 MPH.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....SOUTHWEST 25 TO 30 MPH.

MIXING HEIGHT.....4200-5300 FT AGL INCREASING TO 9400-11400 FT AGL IN THE AFTERNOON.

SMOKE DISPERSAL.....VERY GOOD (107900 KNOT-FT) INCREASING TO EXCELLENT (271100 KNOT-FT) IN THE AFTERNOON.

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

.TONIGHT...

SKY/WEATHER.....MOSTLY CLEAR.

MIN TEMPERATURE.....41-46.

24 HR TREND.....4 DEGREES COOLER.

MAX HUMIDITY.....54-60 PERCENT.

24 HR TREND.....UNCHANGED.

HUMIDITY RECOVERY...FAIR.

20-FOOT WINDS.....SOUTHWEST 10 TO 20 MPH. GUSTS UP TO 35 MPH DECREASING TO 25 MPH AFTER MIDNIGHT.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....WEST AROUND 25 MPH BECOMING SOUTHWEST AROUND 10 MPH AFTER MIDNIGHT.

MIXING HEIGHT.....6100-7300 FT AGL DECREASING TO 200-700 FT AGL AFTER MIDNIGHT.

SMOKE DISPERSAL.....VERY GOOD (131100 KNOT-FT) DECREASING TO POOR (4400 KNOT-FT) AFTER MIDNIGHT.

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