

## EXTENDED FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 13	TYPE OF FIRE: Wildland
FIRE NAME: BRINGHAM	OPERATIONAL PERIOD: 06/26-28/2020 0600-2200
DATE ISSUED: 06/25/2020	TIME ISSUED: 2100
UNIT: Clifton Ranger District, Apache-Sitgreaves National Forest	SIGNED: <u>/s/ Byron R. Kimball</u> FBAN Typed/printed: Byron R. Kimball

### INPUTS

**WEATHER SUMMARY:** Through Saturday, hot temperatures with low humidities will continue over the region. Winds will be nearing Red Flag levels Friday. Saturday is expected to see a return to more moderate winds over the fire with continued low humidities. Temperatures will begin to cool Sunday as a strong weather system moves into the Great Basin. While temperatures will decrease and the atmosphere will become more stable, winds will also increase Sunday and Monday with this system. Afternoon humidity values are still expected fall into the mid-teens, so Red Flag conditions are possible Sunday or Monday.

**Please refer to the Incident Spot weather Forecast for specific weather information.**

### OUTPUTS

**FIRE BEHAVIOR:** Main carrier of the fire is the fine fuel layer. Light grass on lower slopes is continuing to allow spread through rocky terrain however intensities are greatly reduced. Moderate winds are helping push the fire. Uphill runs are occurring as fire aligns at the bottom of a slope. Winds are helping fire to flank along aligned canyons. Low RH with poor overnight recovery is allowing for extended burning into the late night / early morning hours.

Midflame winds at 5 mph or above result in a significant increase in activity in the grass/brush and heavier timber litter fuels. This holds for both day and night winds.

#### Friday, June 26: Potential for Critical Fire Weather Today

Continued slow movement to south and east from Thomas Crk and Yerba Basin. Upslope runs in heavier fuels are possible if wind moves fire into alignment. Stronger SW winds could result in more movement to the East. Be aware of head fire runs at significant ROS if in the direct fire area.

#### Saturday, June 27: Winds Back Off

Reduced winds should result in slowed movement. Fire east of Red Mtn continues to work in Yerba Basin and to back down Thomas Crk. Tin Cup continues to slowly flank towards Rouseneck Crk with occasional up slope runs. General and terrain winds continue to battle and impede movement to the East.

#### Sunday, June 28: Increasing Atmospheric Moisture

Increasing Atmospheric moisture keeps RH in the mid-teens with potentially much better recovery overnight. Improved RH will impact spread in the light grass and help reduce intensities. Fuel transitions in Rouseneck and Thomas Crks should provide opportunities to check up fire spread.

#### Monday, June 29: Wind Event

Increased general winds from the SW should prevent much movement. Strong winds could suppress fire in light fuels. Minimal fire movement expected unless something aligns.

#### Tuesday, June 30: Cooler with Improved RH

Improved RH and Cooler temps should help mitigate fire behavior in the finer fuels. Decent overnight recovery for a second night should significantly reduce the ability of the sparse grass to hold heat through the evening. Remaining heat sources should be in the timber litter and possibly the brush.

#### AIR OPERATIONS:

Light fuels may be more receptive to actions from the air. Gusty winds could impact aerial resources.

### SAFETY

Fuels are very reactive to changes in wind, make sure you have some place to go if conditions change. Fire has been in some timber stands for an extended time. Be aware of fire weakened trees or trees with compromised root structures.