

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: # 3	TYPE OF FIRE: Wildland
FIRE NAME: ROBBERS	OPERATIONAL PERIOD: 07/15/2012 (0600-0600)
DATE ISSUED: 07/14/2012	TIME ISSUED: 2000
UNIT: NEU	SIGNED: _____
	Typed/printed: Scott Jones

INPUTS

WEATHER SUMMARY:

Sunny with smoke in the morning. Upper trough moving east should weaken winds.

MAX temp 85-92 MIN RH 18-23%

Wind (20 ft) Ridgetop – S SW 5-7 mph -- Slope / Valley... Upslope / Up-canyon 3-7 with gusts 10-12 mph in favored canyons.

Tonight after sunset

Smoky inversions, moderate to good RH recovery – Temp 55-66, RH 40-50% mid/upper slope, RH 70-80% valley: 20ft winds Ridgetop East-Southeast 2-4 gusts 7 mph, Down slope/canyon 3-5 mph.

OUTPUTS

FIRE BEHAVIOR

GENERAL:

Fire is being burning in a confluence of multiple steep drainages. Fuel coverage consists of high load timber shrub and a high load shrub group. In canyon drainages expect the fire to reach higher levels of intensity inhibiting direct attack. When fire is in optimal alignment with wind and slope extreme fire behavior with spotting should be anticipated. Current weather would indicate an opportunity for a lowered level of fire intensity, however suppression actions need to address access and equipment availability.

Fire Behavior for Optimal Alignment

Fuel Type	ROS (RATE) FWD	ROS Flank	ROS Backing	FL (Ft)	P(i)G
Timber (FM10)	8-12 ft/min	3-6 ft/min	0-2	4-7	76%
Brush (SH 7)	40-50 ft/min	3-5 ft/min	0-3 ft/min	4-14	76%

SPECIFIC:

Branch I: Fuel and topography dominate fire growth. Morning upslope winds have caused flare-ups to bump control lines. In drainages, expect extended periods of low to moderate activity to become high to extreme in the afternoon as temperatures and winds reach peak levels. Fire whirls and spot fires should be expected during any fire runs. There is a structure defense consideration due to homes in the area.

Branch II: Contingency, there is a shaded fuel break along the Gillis Hill Ridge that backs up to the 2001 Ponderosa Fire. If there is a weather condition that could generate a start from this incident expect the lighter fuels to produce a higher level of fire behavior.

Branch III: Morning upslope winds can hinder early suppression efforts. Have a plan that is flexible, slopovers and spot fires coupled with difficult access continues to hinder suppression efforts. This area will have more isolated areas that will be in optimal alignment that can generate extreme fire behavior.

AIR OPERATIONS:

Morning inversion may hold smoke in the area limiting early flight operations. Once the inversion lifts there are no expected weather limitations however heavy smoke production could inhibit visibility.

SAFETY

Steep Terrain – be aware of rolling materials that will ignite fuels below you.

Maintain situational awareness, slope and wind alignment may be influenced by wind direction changes and eddies of spur ridges.

Be Safe – God Bless