

TEST BURN
SHEPHERDS FLAT RX BURN

TEST #1 DATE: JANUARY 14, 1999 TIME: 1100 ASPECT: NE

WEATHER/FIRE DANGER Rx WINDOW AND ACTUAL VALUES

	RX WINDOW	MEASURED	FORECAST
AIR TEMP	60 - 90	78	60 -65
REL. HUMIDITY	20 - 50%	15%	15-40%
WIND DIRECTION(Rotating E to S to W) (NE)			(Rotating E-W)
WIND SPEED	0-15	14-19	5 - 10
10 HOUR FUEL STICK	4 - 10%	4 - 6%	Not forecast
LIVE FUEL MOISTURE	_60-100%	60-100%	Not forecast

POSITION IN FIRE DANGER WINDOW: MID

FUEL FLAMMABILITY RANGE

HOT FUEL TEMP = 84 degrees, **COOL** FUEL TEMP = 72degrees
TEMPERATURE DIFFERENCE = 8 degrees (Too low to use solar preheating variation)

FIRE BEHAVIOR INTENSITIES and FUEL TYPE

STRIP HEAD FIRE IN- (SUNLIT) FUEL

FLAME LENGTH	FUEL CONSUMPTION DEAD %	LIVE%
10 to 15 Ft.	95%	65%

FLANKING ALIGNMENT IN (SUNLIT) FUEL

FLAME LENGTH	FUEL CONSUMPTION DEAD %	LIVE%
2 to 4 Ft.	50%	30%

BACKING ALIGNMENT IN- (SUNLIT) - (SHADED) - FUEL

FLAME LENGTH	FUEL CONSUMPTION DEAD %	LIVE%
Nil	0%	0%

VIDEO RECORD MADE Yes

FIRE INTENSITY NEEDED TO ACCOMPLISH BURN OBJECTIVES

FLAME LENGTH 10 TO 30 FT. = _____75% consumption

Decision: Can the intensities be managed to desired levels?_Yes

The decision is - **GO** - Time 1100 Observer Raley, Campbell, Zinskey

