

Wildland Fire Implementation Plan

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Fire Number:
Administrative Unit(s) Ashley National Forest

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Strategic Size-up

Fire Name	Timber Canyon 2
Incident Number	
Jurisdiction(s)	USFS
Administrative Unit	Ashley National Forest
Geographic Area	Eastern Great Basin
Management Code	UT-ASF-0401
Start Date/Time	07/31/2005 1400
Discovery Date/Time	07/31/2005 1825
Date/Time Prepared	08/01/2005 1127
Current Fire Size	1/10
Location	Timber Canyon, South Unit Ashley National Forest T.5S R.9W Sec.36 SENE Lat. 40.05.22.4N Long. 110.50.34.9W Duchesne Located on the ridge seperating Cow Hollow and Timber Canyon. (South Unit West FMU)
Cause	Lightning

Fuel Model / Conditions

NFDRS Fuel Model H Short-needled conifers, sparse undergrowth, and thin layer of ground fuels.
Fire Behavior fuel Model 8 (Timber Group)
Fire is located on a ridge with sparse fuels to the South with heavier timber on the north side.
West of fires location there is some scattered Mountain Mahogany
Forest is currently in Fire Preparedness Level 3
Dead fuel moistures are around 8% with live moistures around 100%

Current Weather

No resources have been on the fire due to rough steep terrain and accessibility, therefore weather observations were taken from the Forests "Horse Ridge Weather Station" (RAWS) located approximately 12 south of fire location.

08/01/2005 as of 1200A.M.

Temp. 64%

43% RH

Winds SSE 9 mph, gusts to 16

RAWS site received 0.02 inches of rain on 07/31/2005

Cloudy skies, 80-90% cloud cover

Forecasted Weather

See attached daily fire weather forecasts from the Salt Lake Weather Service.

FIRE WEATHER PLANNING FORECAST FOR UTAH
NATIONAL WEATHER SERVICE SALT LAKE CITY UT
427 AM MDT MON AUG 1 2005

...MOIST AIRMASS AND LIGHT WINDS REMAIN IN PLACE OVER UTAH...

.BROADCAST DISCUSSION...A MOIST AND UNSTABLE AIRMASS OVER UTAH WILL REMAIN IN PLACE THROUGH THE MIDDLE OF THE WEEK. SOMEWHAT DRIER AIR WILL MOVE INTO NORTHERN UTAH BY WEEKS END.

.DISCUSSION...A WARM AND MOIST AIRMASS WILL REMAIN IN PLACE THROUGH MIDWEEK. WINDS WILL REMAIN LIGHT AS WELL...WITH MAINLY AFTERNOON AND EVENING THUNDERSTORMS POSSIBLE. STORMS WILL BE CAPABLE OF PRODUCING WETTING RAINS IN GENERAL. A WEAK AREA OF LOW PRESSURE WILL MOVE ACROSS NORTHERN UTAH TUESDAY AFTERNOON...USHERING SOMEWHAT DRIER AIR INTO THE NORTHERN PART OF THE STATE. SOUTHERLY WINDS WILL PICK UP A BIT TUESDAY AHEAD OF THIS SYSTEM...AND NORTHWEST WINDS WILL BE A BIT STRONGER WEDNESDAY AND THURSDAY.

THUNDERSTORMS IMPLY STRONG GUSTY AND ERRATIC WINDS

ALL WINDS ARE 20 FOOT...10-MINUTE AVERAGES

UTZ420>427-012230-

FORECAST AREA 1...NORTHERN UTAH (NORTHERN UTAH IFC AREA)-
ZONE 420 GREAT SALT LAKE DESERT AND MOUNTAINS...ZONE 421 CACHE VALLEY...ZONE 422 NORTHERN WASATCH FRONT...ZONE 423 SALT LAKE AND TOOELE VALLEYS...ZONE 424 SOUTHERN WASATCH FRONT...ZONE 425 WASATCH MOUNTAIN VALLEYS...ZONE 426 WASATCH MOUNTAINS NORTH OF I_80...ZONE 427 WASATCH MOUNTAINS SOUTH OF I_80 AND NORTHERN AND WESTERN SLOPES OF THE UINTA MOUNTAINS-
427 AM MDT MON AUG 1 2005

.TODAY...

SKY/WEATHER.....PARTLY CLOUDY (55-65% CLOUD COVER) UNTIL 1200...THEN MOSTLY CLOUDY (70-80% CLOUD COVER).
IN THE VALLEYS...ISOLATED SHOWERS AND THUNDERSTORMS UNTIL 1200...THEN SCATTERED SHOWERS AND THUNDERSTORMS. IN THE MOUNTAINS...NUMEROUS SHOWERS AND THUNDERSTORMS.

MAX TEMPERATURE.....NEAR 5000 FEET...79-91. 24 HR TREND... -2.
NEAR 8000 FEET...67-79. 24 HR TREND... LTL CHG.
MIN HUMIDITY.....NEAR 5000 FEET...21-33%. 24 HR TREND... +2.
NEAR 8000 FEET...39-51%. 24 HR TREND... +4.

20-FOOT WINDS.....SLOPE/VALLEY...SOUTHEAST AROUND 15 MPH IN THE MORNING BECOMING UPSLOPE/UPVALLEY 5-10 MPH.
RIDGETOPS.....SOUTH 8-15 MPH
SHIFTING TO LIGHT AND VARIABLE IN THE AFTERNOON.
LAL.....3 UNTIL 1200...THEN 5.
CWR.....20% IN THE VALLEYS AND 40% IN THE MOUNTAINS.
HAINES INDEX.....3 ..VERY LOW.

.TONIGHT...

SKY/WEATHER.....MOSTLY CLOUDY (70-80% CLOUD COVER). IN THE VALLEYS...NUMEROUS SHOWERS AND THUNDERSTORMS DECREASING TO SCATTERED IN WESTERN VALLEYS.
IN THE MOUNTAINS...NUMEROUS SHOWERS AND THUNDERSTORMS.

MIN TEMPERATURE.....NEAR 5000 FEET...56-68. 24 HR TREND... -2.
NEAR 8000 FEET...46-58. 24 HR TREND... +4.
MAX HUMIDITY.....NEAR 5000 FEET...52-64%. 24 HR TREND... -8.
NEAR 8000 FEET...67-79%. 24 HR TREND... LTL CHG.

20-FOOT WINDS.....SLOPE/VALLEY...SOUTH AROUND 15 MPH IN THE EVENING BECOMING DOWNSLOPE/DOWNVALLEY 5-10 MPH.
RIDGETOPS.....SOUTH 8-15 MPH.
LAL.....5 UNTIL 2400 IN THE VALLEYS...THEN 3.
5 IN THE MOUNTAINS.
CWR.....40% IN THE VALLEYS AND 60% IN THE MOUNTAINS.
HAINES INDEX.....3 ..VERY LOW.

.TUESDAY...

SKY/WEATHER.....PARTLY CLOUDY (60-70% CLOUD COVER). IN THE VALLEYS...SCATTERED SHOWERS AND THUNDERSTORMS.
IN THE MOUNTAINS...NUMEROUS SHOWERS AND THUNDERSTORMS.

MAX TEMPERATURE.....NEAR 5000 FEET...77-89.
NEAR 8000 FEET...65-77.
MIN HUMIDITY.....NEAR 5000 FEET...23-35%.
NEAR 8000 FEET...47-59%.

20-FOOT WINDS.....SLOPE/VALLEY...UPSLOPE/UPVALLEY 5-10 MPH BECOMING SOUTHWEST AROUND 15 MPH IN THE AFTERNOON.
RIDGETOPS.....LIGHT AND VARIABLE SHIFTING TO

THE SOUTHWEST 10-20 MPH IN THE
AFTERNOON.

LAL.....4 IN THE VALLEYS...5 IN THE MOUNTAINS.

CWR.....40% IN THE VALLEYS AND 60% IN THE MOUNTAINS.

HAINES INDEX.....4 ..LOW.

Observed Fire Behavior

Fire size up was completed by Forest Helicopter 2HX and crew

Fire Size less than 1/10 acre

Fire is smoldering and creeping

No structures threatened

No control problems at this time, spread potential is moderate

Some visible flame on dead and down log

Fire located on upper 1/3 of the slope on the ridge top, Northeast aspect

Forecasted Fire Behavior

Fire is expected to continue to smolder and creep in the Doug-fir under the current weather conditions. If burning conditions improve fire behavior is expected to increase.

T

Availability of Resources

Patrol 131, Helicopter 2HX, Engine 111, the Forest fuels Engine 101 are all on the Forest and available for local assignment. The Forests two 10-person Fire Use Modules are currently assigned to the Sheep Creek Incident located on the Flaming Gorge Ranger District (local assignment). We would have the option of pulling part or all of the Kings Peak Fire Use Module back to the West Zone if necessary. There are three Type 3 and 1 Type 6 BLM engines and one Type 4 and One Type 6 BIA engines available through our local dispatch, Uintah Basin Interagency Fire Center.

Decision Criteria Checklist

Decision Element	Yes	No
Is there a threat to life, property or resources that cannot be mitigated?		X
Are potential effects on cultural and natural resources outside the range of acceptable effects?		X
Are relative risk indicators and/or risk assessment results unacceptable to the appropriate Agency Administrator?		X
Is there other proximate fire activity that limits or precludes successful management of this fire?		X
Are there other Agency Administrator issues that preclude wildland fire use?		X

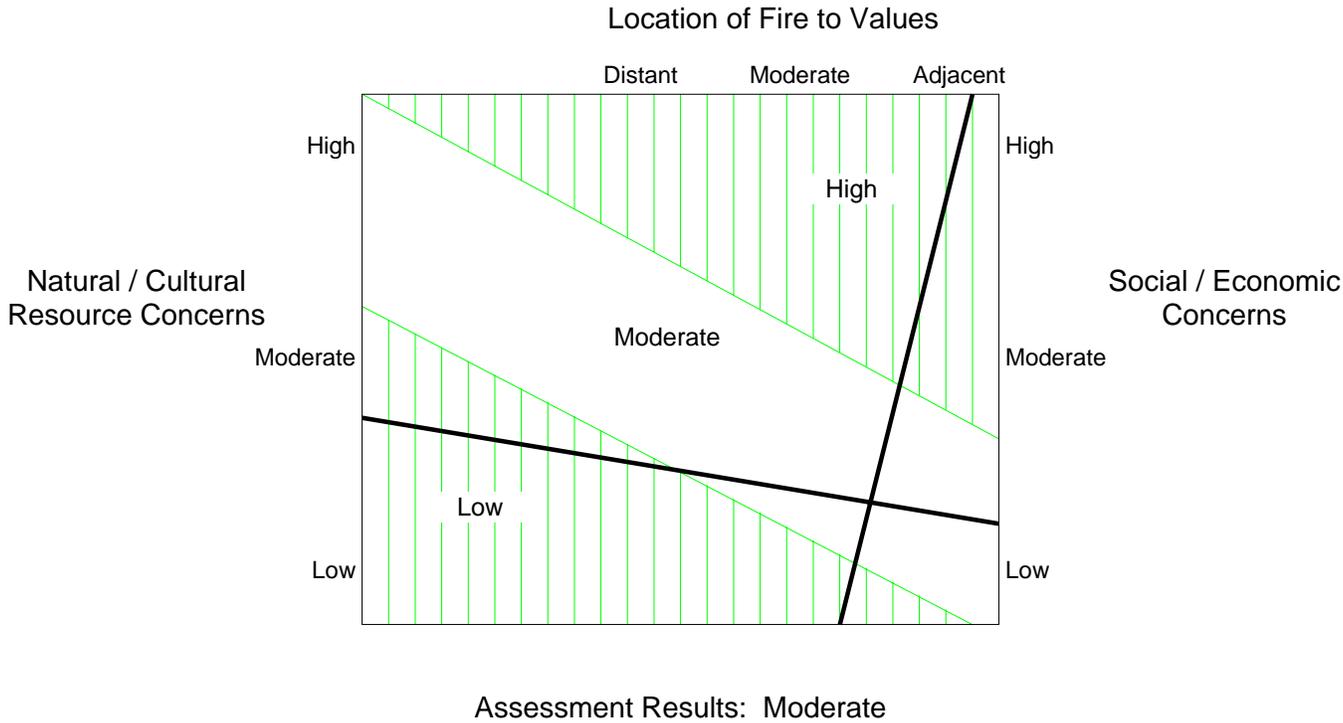
Recommended Response Action

Wildland Fire Use Response

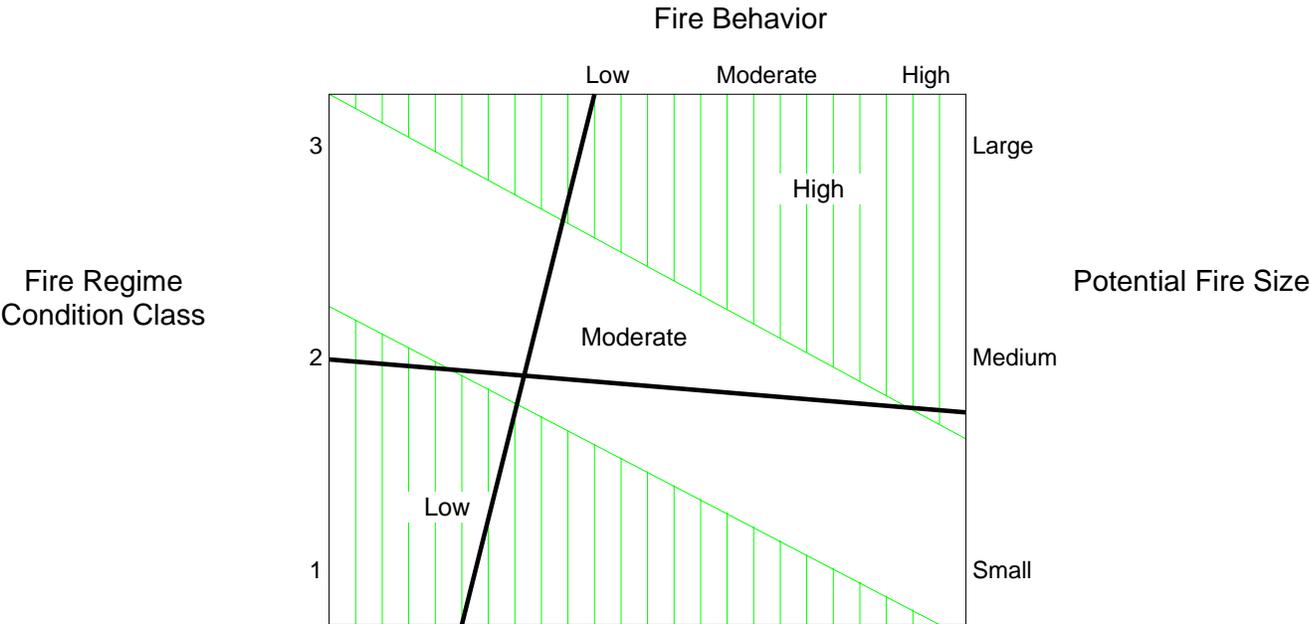
Signature: _____
Mary Wagner / Acting Regional Forester/Region 4

Date: 08/01/2005

Wildland Fire Relative Risk Assessment Step 1. Determining Values

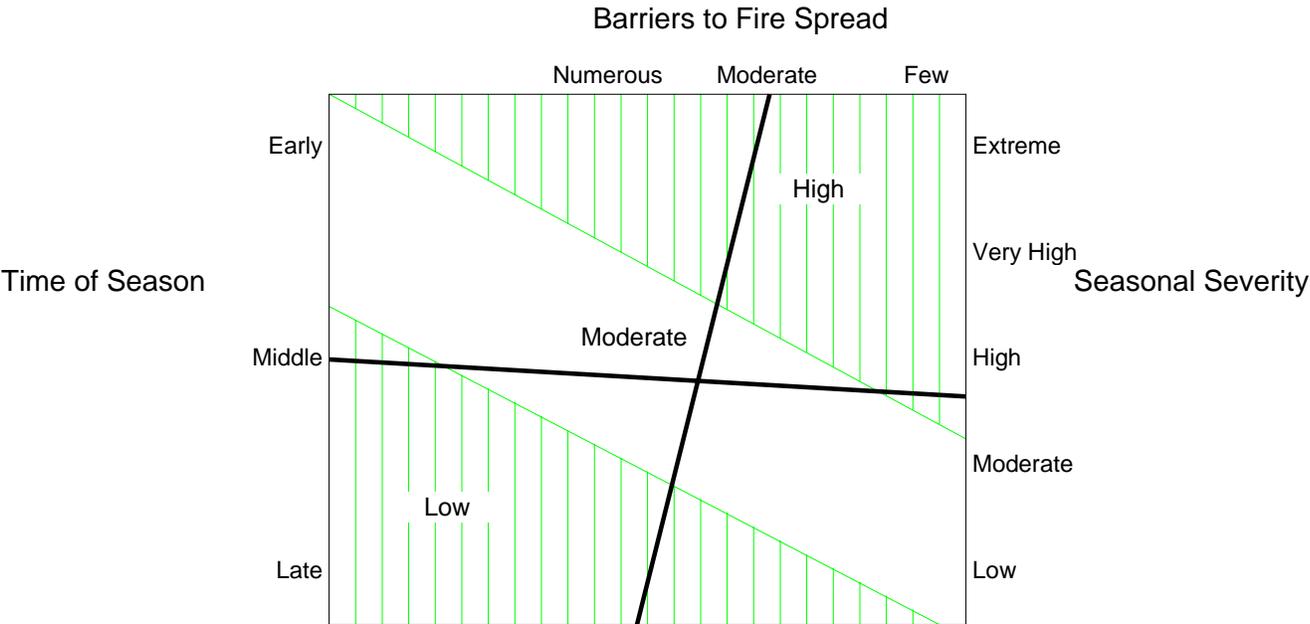


Wildland Fire Relative Risk Assessment Step 2. Determining Hazard



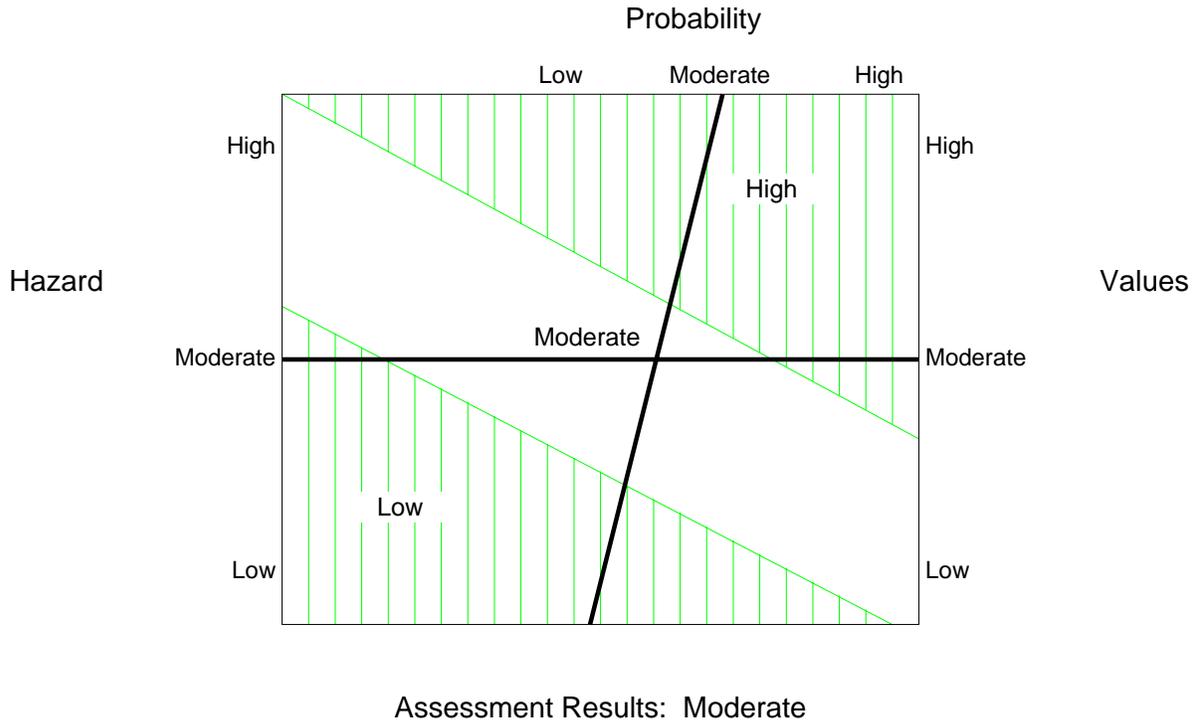
Assessment Results: Moderate

Wildland Fire Relative Risk Assessment Step 3. Determining Probability

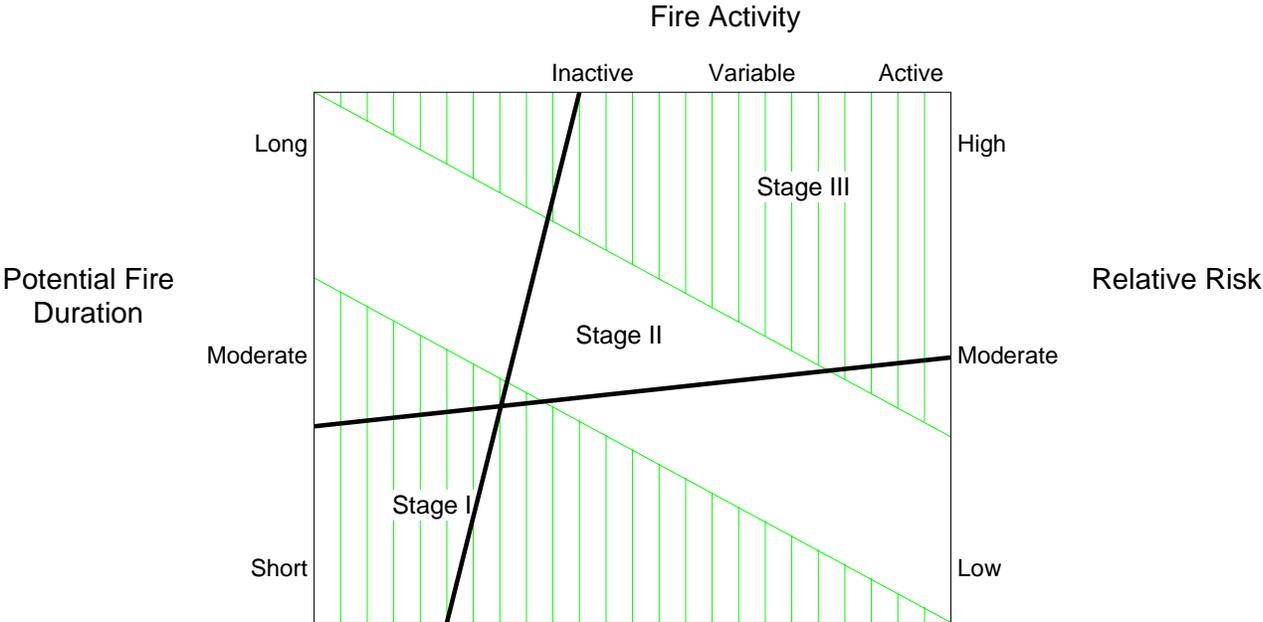


Assessment Results: Moderate

Wildland Fire Relative Risk Assessment Step 4. Determining Wildland Fire Relative Risk

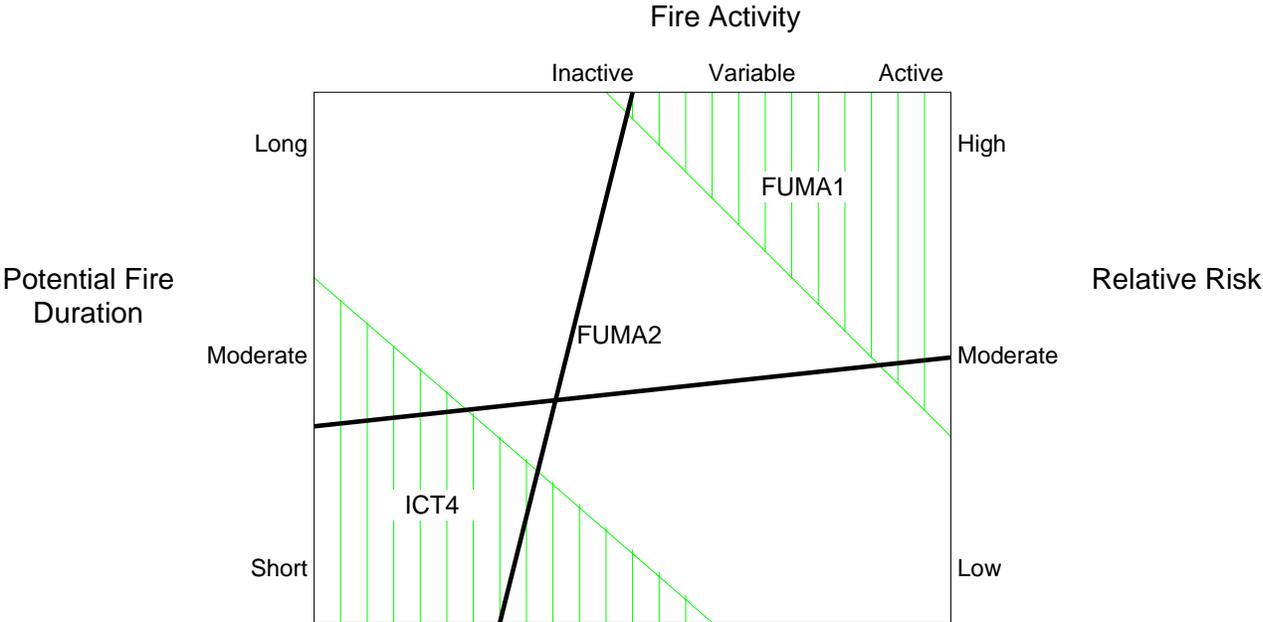


Wildland Fire Management Assessment Part 1. Planning Needs Assessment



Assessment Results: Stage I

Wildland Fire Management Assessment Part 2. Fire Use Manager Decision



Assessment Results: FUMA2

Assessment Summary

Fire Use Decision

Wildland Fire Use Response

Wildland Fire Relative Risk Assessment

Step 1. Determining Values

Location of Fire to Values
Natural / Cultural Resource Concerns
Social / Economic Concerns

Moderate

Adjacent
Low -
Low

Step 2. Determining Hazard

Fire Behavior
Fire Regime Condition Class
Potential Fire Size

Moderate

Low
2
Medium

Step 3. Determining Probability

Barriers to Fire Spread
Time of Season
Seasonal Severity

Moderate

Moderate
Middle
High

Step 4. Determining Relative Risk

Moderate

Wildland Fire Use Management Assessment

Fire Activity
Potential Fire Duration

Relative Risk

Inactive
Short -
Moderate
Moderate

Part 1. Planning Needs Assessment

Stage I

Part 2. Fire Use Manager Decision

FUMA2

Assessment Date: 08/01/2005

Initial Management Actions

Special Hazards and Concerns

Special concerns include the Sheep Creek WFU fire that is currently near 4,000 acres and has been assigned a management team (Bill Clark), reducing available and potential resources. Long travel distances, few and limited water sources beyond the current location of the fire, long range spotting (due to steep slopes, wind, and Douglas-fir), and patches of bug-killed timber in the surrounding area are additional concerns.

Safety Concerns

Steep, densely wooded and rocky terrain on the sides of the ridge provide hazardous terrain for suppression actions. The area is rarely visited due to remote, rugged terrain and limited recreational opportunities. Poor communications may exist in the area.

Values at Risk

Timber Canyon contains a population of Colorado River cutthroat trout (sensitive species). Private land is adjacent to the fire, and rock art is on nearby private lands in mouth of Cow Canyon. Area is within the Timber Canyon cattle allotment. Area is within the Timber/Cow Hollow Research Natural Area, however, this RNA was designated due to the presence of Ponderosa pine, which is adapted to frequent, low-intensity fire. Specialist consulted feel that fire would be an appropriate and beneficial natural disturbance in the RNA. There is a high-value riparian area nearby which has been fenced out, however, it is unlikely the fire would burn this area due to high fuel moistures in the riparian area.

Operational Plan

We will continue to monitor and evaluate fire behavior, weather, and fuel conditions. Monitoring may be done by air or by ground, and frequency will depend on weather conditions. Some fireline construction may be initiated along the private/federal property boundary if the fire is not extinguished naturally by rain. If the fire becomes active, will begin to request resources from the Sheep Creek Fire and elsewhere to assist in management of the fire. Fire would not be allowed to advance onto private lands. Special use permit holders (particularly grazing permit holders) will be notified of the fire and updated periodically, including any need to modify or suspend operations. The Forest PAO will be asked to assist in notifying and educating the public about the fire and the intended resource objectives (reducing hazardous fuels and restoring more natural vegetative conditions).

Stage II Plan

Objectives

Safety Considerations

External Concerns

Environmental Concerns

Threats

Current and Predicted Fire Behavior

Current and Predicted Weather

Management Actions

Estimated Costs

Stage III Plan

Natural and Cultural Resource Objectives

Constraints

Maximum Manageable Area - Definition and Maps

Weather Season / Drought Discussion and Prognosis

Long-term Risk Assessment

Threats to MMA

Threats to Public Use and Firefighter Safety

Smoke Dispersion and Effects

Other Threats

Fire Behavior

Monitoring Actions

Mitigation Actions

Resources Needed to Manage the Fire under Expected Weather Conditions

Contingency Actions

Information Plan

Estimated Costs of Managing the Fire

Post-burn Evaluation

