

Wildland Fire Implementation Plan

Table of Contents

Fire Name: Miners Gulch
Fire Number: UT-ASF-126
Administrative Unit(s): Roosevelt/Duchesne Ranger District

Documentation Product	Needed	Completed
Strategic Fire Size-up		
General Information	x	
Conditions	x	
Periodic Assessment		
Decision Criteria Checklist	x	
Wildland Fire Relative Risk Assessment	x	
Wildland Fire Management Assessment	x	
Stage I		
Special Hazards and Concerns	x	
Safety Concerns	x	
Values at Risk	x	
Operational Plan	x	
Stage II		
Objectives		
Fire Situation		
Management Actions		
Estimated Costs		
Stage III		
Objectives		
MMA Definition		
Weather Season/Drought Discussion		
Long-term Risk Assessment		
Threats		
Monitoring Actions		
Mitigation Actions		
Resources Needed		
Contingency Plan		
Information Plan		
Estimated Costs		
Post-Burn Evaluation		
Signatures and Dates		
Appendix		
Cost Estimate		

Strategic Size-up

Fire Name	Miners Gulch
Incident Number	UT-ASF-126
Jurisdiction(s)	USFS
Administrative Unit	Roosevelt/Duchesne Ranger District
Geographic Area	Uintah Basin/Eastern Great Basin
Management Code	
Start Date/Time	08/09/2005 1530
Discovery Date/Time	08/09/2005 1700
Date/Time Prepared	08/10/2005 0858
Current Fire Size	> 1/10
Location	Miners Gulch Canyon, Rock Creek Drainage T2N. R7W. Sec 13. SE1/4NW1/4 40 34' 18" 110 38"03 530965mE 4491274mN Duchesne Rock Creek Drainage, Moon Lake FMU
Cause	Lightning

Fuel Model / Conditions

Timber Group

Fire Behavior Fuel Model 8

NFDRS Fuel Model G/19

Dense conifer stands with heavy litter and down woody material.

Fire is located near timberline in a sparse rocky area with low spread potential due to lack of available fuels.

Current Weather

National Preparedness Level is 3.

Regional Preparedness Level is 3.

Ashley National Forest Preparedness Level is 1.

Current Weather has been taken from Yellowstone RAWS station which is located 15 miles east in the Yellowstone Drainage. Elevation 7800 feet.

Current condition:

09:05 8/10/2005

Current Temperature: 67 degrees

Relative Humidity: 46%

Wind Speed: 1 mph from North with max gust of 7mph

Cloud Cover: 70 - 80 % Cloud Cover

10 Hour Fuel Moisture: 10

1 Hour Fuel Moisture: 8-9

Forecasted Weather

Weather:

Partly cloudy with isolated thunderstorms over the valleys, scattered showers and thunderstorms over mountains.

Maximum Temps: 71-85 mountains, 85-97 valleys.

Minimum RH: 22-40% mountains, 15-25% valleys.

Wind: Upslope/upvalley 5-10 mph.

LAL: 2 Valleys, 4 Mountains.

Outlook for Thursday through Saturday:

Partly cloudy wet thunderstorms central and southern Utah, isolated thunderstorms possible in mountains elsewhere. Cooler. Lows 45-60 north, 50-65 south. Highs 75-90 north, 80-98 south.

Observed Fire Behavior

Fire is burning duff and needle litter under a 60 foot Engelmen Spruce. Only visible smoke was from smoldering ground fire. One smaller spruce appears to have had fire running 15 feet into the canopy from the ground. One section of the perimeter had active flames with flame lengths of 2-3" but this section of line was small and would measure only 1 foot or so in length.

Forecasted Fire Behavior

Fire behavior is expected to be very low due to the location of fire and lack of available fuel.

Fire is expected to continue to creep and smolder until the immediate available fuels have been consumed, during

this time flame lengths are expected to be less than 1 foot.

Once adjacent available fuels have been consumed the potential for further fire growth is very low.

Availability of Resources

Patrol engine 131 (Type 6) is on Forest and available.

Helicopter 2HX (Type 3) is on Forest and available.

Engine 101 (Type 6) is on Mandatory days of Thurs. and Friday but will be available on Saturday the 13th.

Engine 141 (Type 4) will be home from assignment in southern Utah on Friday, have mandatory days off Sat. and Sunday, and will be available Monday the 15th.

Kings Peak and Spirit Lake Fire Use Modules will be on mandatory days off Friday and Saturday and will be available Sunday the 14th.

Engine 111 (Type 4) is assigned to severity detail in southern Utah beginning the 10th of August.

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

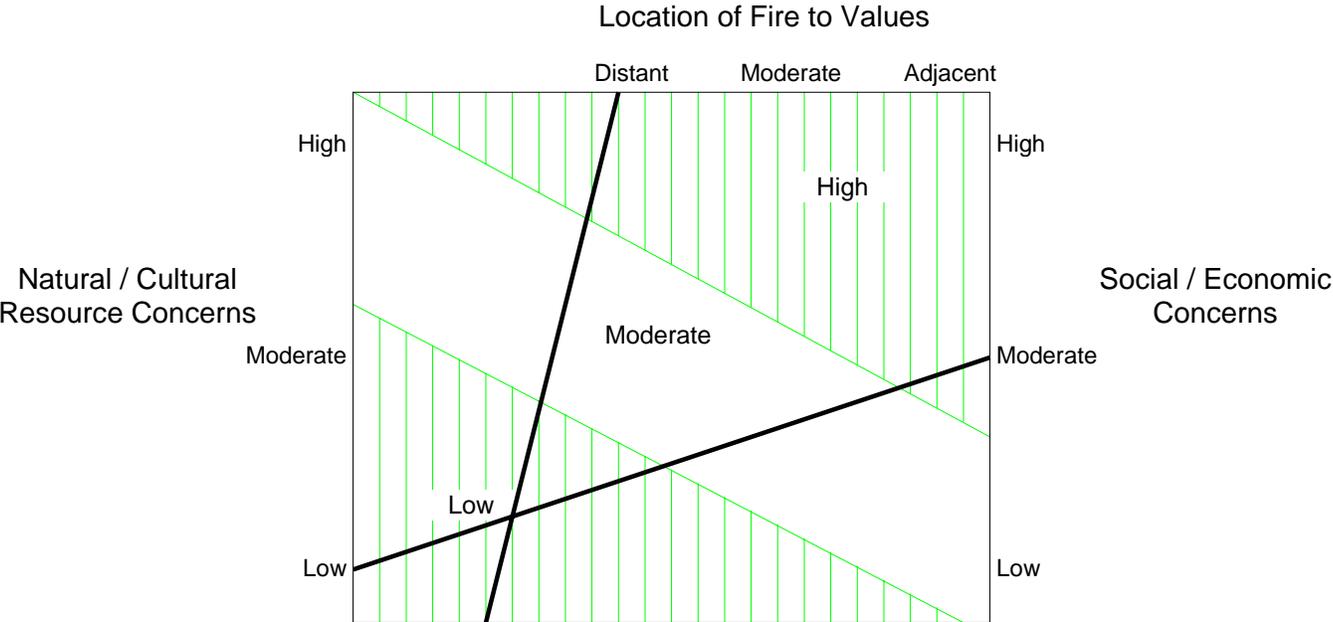
Recommended Response Action

Wildland Fire Use Response

Signature: _____
Allan Hepworth / Zone AFMO

Date: 08/10/2005

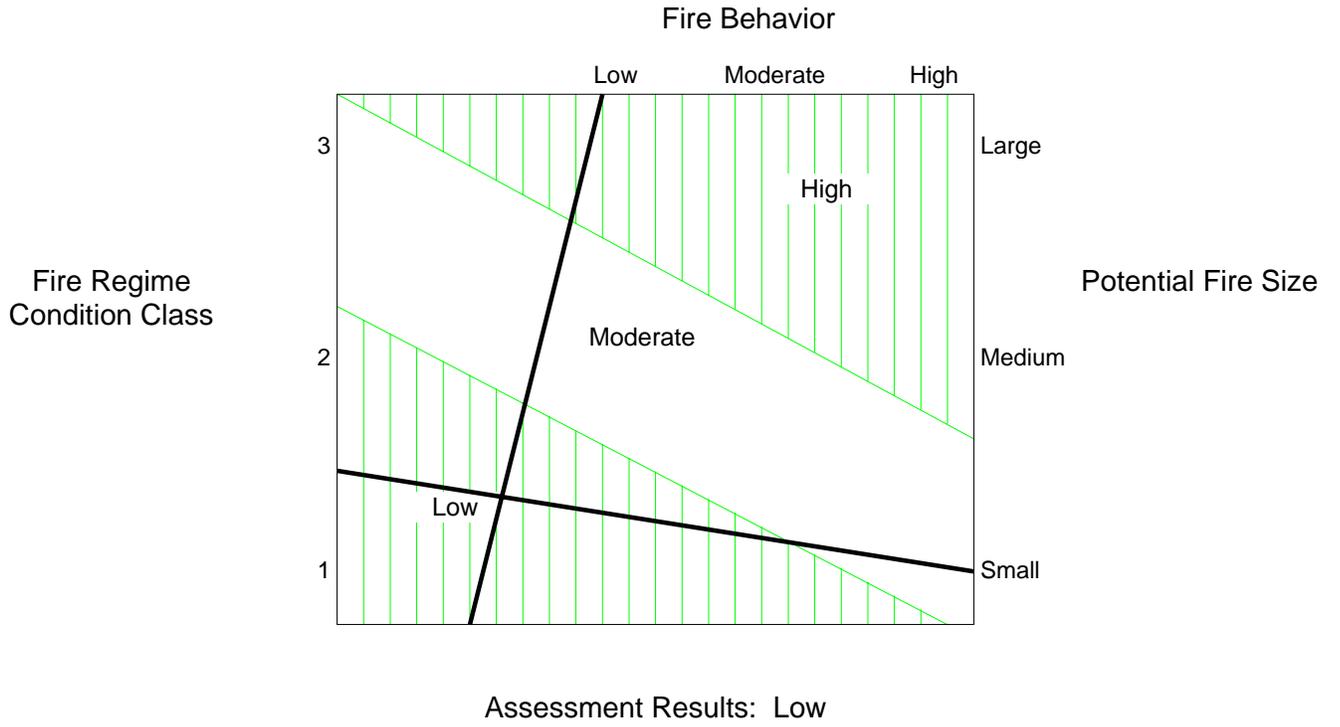
Wildland Fire Relative Risk Assessment Step 1. Determining Values



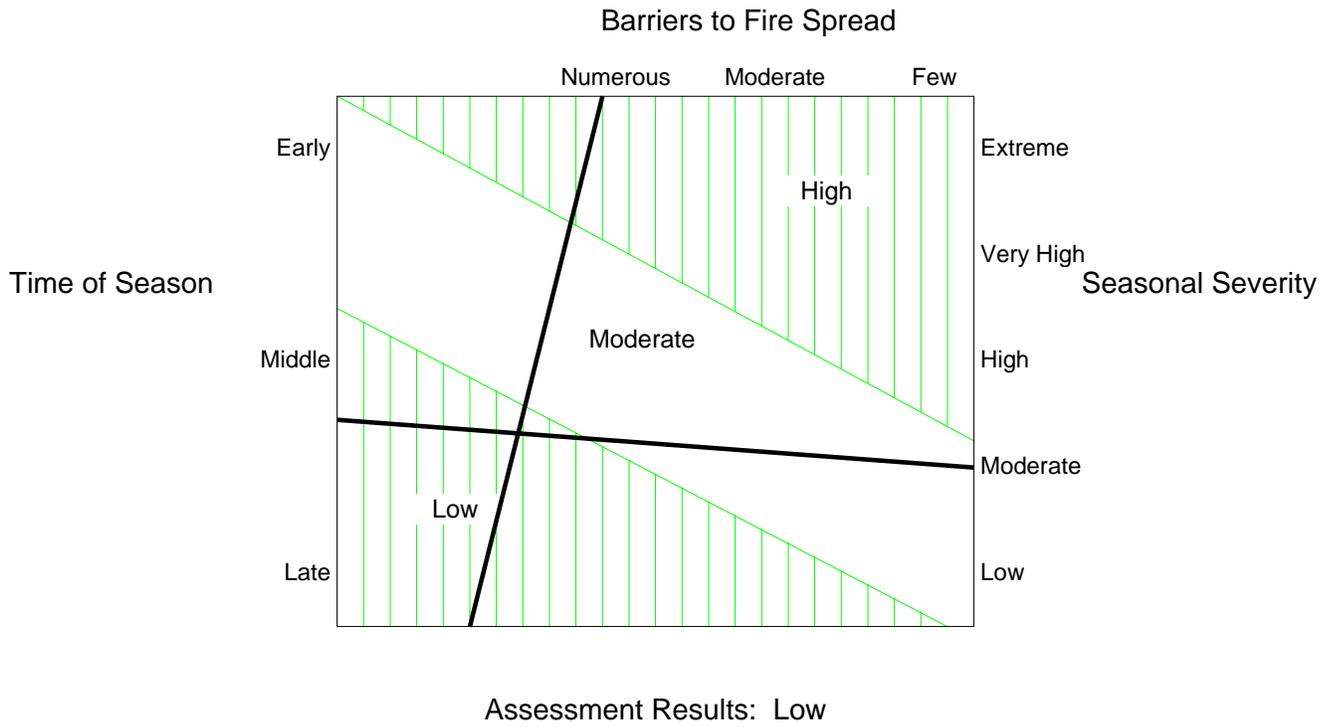
Assessment Results: Low

Notes:
No values are present in vicinity of fire and the chances of fire spreading beyond the rock slope that surrounds the perimeter are very low.

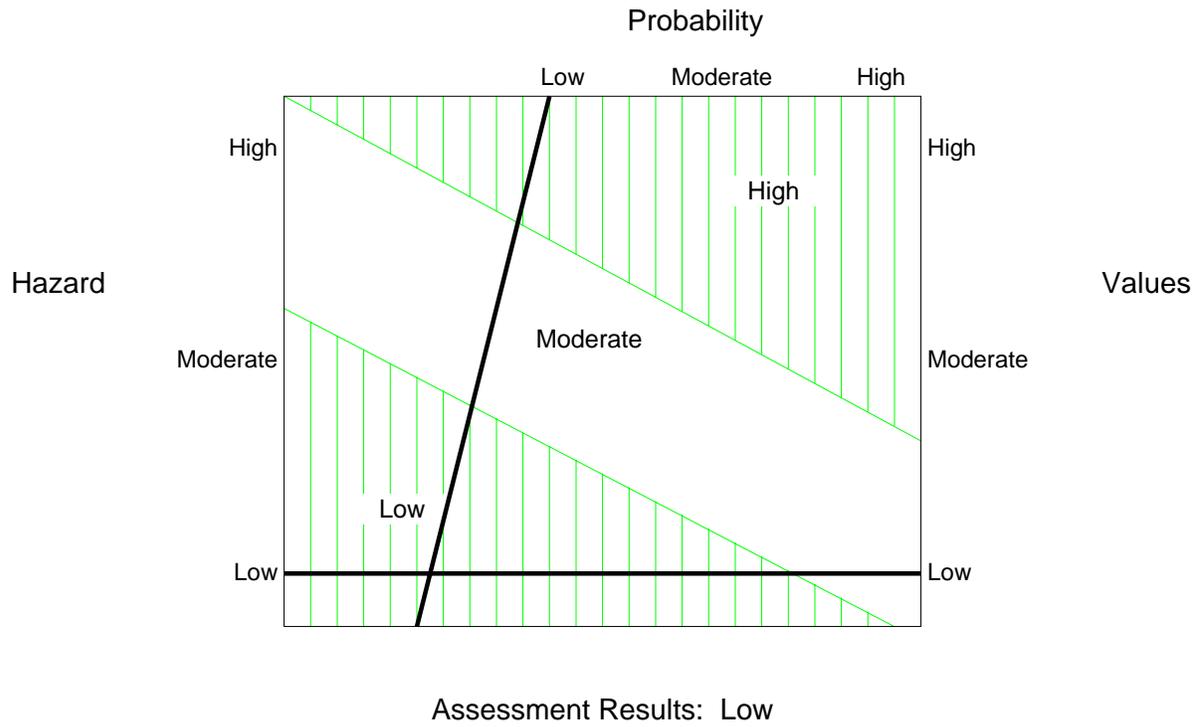
Wildland Fire Relative Risk Assessment Step 2. Determining Hazard



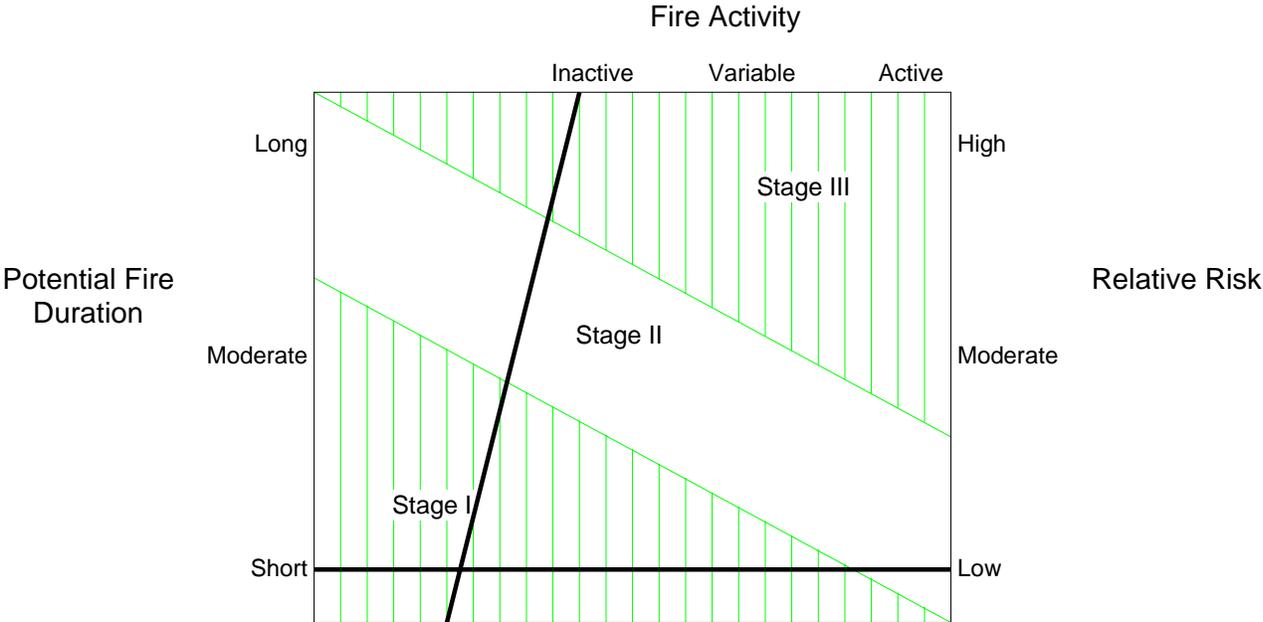
Wildland Fire Relative Risk Assessment Step 3. Determining Probability



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

Assessment Summary

Fire Use Decision

Wildland Fire Use Response

Wildland Fire Relative Risk Assessment

Step 1. Determining Values

Low

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

Distant
Low
Moderate

Step 2. Determining Hazard

Low

Fire Behavior
Fire Regime Condition Class
Potential Fire Size

Low
1 - 2
Small

Step 3. Determining Probability

Low

Barriers to Fire Spread
Time of Season
Seasonal Severity

Numerous
Late - Middle
Moderate

Step 4. Determining Relative Risk

Low

Wildland Fire Use Management Assessment

Fire Activity
Potential Fire Duration
Relative Risk

Inactive
Short
Low

Part 1. Planning Needs Assessment

Stage I

Part 2. Fire Use Manager Decision

ICT4

Assessment Date: 08/10/2005

Initial Management Actions

Special Hazards and Concerns

Due to the fires remote location special hazards and concerns would be very low.

Safety Concerns

Fire is located in extremely steep and rocky terrain. The greatest safety concern would be attempting on the ground suppression actions in this hazardous terrain.

Values at Risk

Values at Risk in the Rock creek drainage all lie to the west, south, and east of the fire in a downslope or down drainage direction with natural terrain influenced winds going in an upslope up/drainage direction which should drive fire away from any values at risk.

Rock Creek Ranch, Rock Creek Administrative Site, Upper Stillwater Reservoir, Upper Stillwater Reservoir Campground, and Rock Creek Trailhead all lie appx. 4 miles to the WSW of fire location at a bearing of appx. 248 degrees and at an elevation of appx. 7900 feet in a downslope and contour direction.

Yellowpine Campground Lies appx. 2.5 miles to the south of fire at a bearing of 185 degrees and at an elevation of 7550 feet in a downslope direction.

Miners Gulch Campground Lies appx. 2.5 miles to the ESE of fire at a bearing of 166 degrees and at an elevation of appx. 7500 feet in a downslope direction.

Rock Creek Fisherman Parking Area Lies appx. 3 miles to the ESE of fire at a bearing of 159 degrees at an elevation of appx. 7440 feet in a downslope direction.

Robbins Ranch Private Land Lies appx. 3.8 miles SE of fire at a bearing of 150 degrees at an elevation of 7400 feet in a downslope direction.

Operational Plan

Due to remoteness of fire and low fire behavior and potential the fire will be monitored from the Rock Creek Road (Forest Road #134). 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. A good on-ground observation point is the Lower Stillwater ponds. From this point fire can be seen and monitored.

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

