

Date of Report: 7/25/05

BURNED-AREA REPORT

(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

- ☐ 1. Funding request for estimated WFSU-SULT funds
- ☐ 2. Accomplishment Report
- ☒ 3. No Treatment Recommendation

B. Type of Action

- ☒ 1. Initial Request (Best estimate of funds needed to complete eligible rehabilitation measures)
- ☐ 2. Interim Report
 - ☐ Updating the initial funding request based on more accurate site data or design analysis
 - ☐ Status of accomplishments to date
- ☒ 3. Final Report (Following completion of work)

PART II - BURNED-AREA DESCRIPTIONA. Fire Name: Butte FireB. Fire Number: AZ-PNF-000362C. State: AZD. County: YavapaiE. Region: 3F. Forest: Prescott National ForestG. District: VerdeH. Date Fire Started: July 16, 2005I. Date Fire Contained: July 21, 2005J. Suppression Cost: \$950,000

K. Fire Suppression Damages Repaired with Suppression Funds

- 1. Fireline waterbarred (miles): approximately .5
- 2. Fireline seeded (miles): 0
- 3. Other (identify): Slashed and chipped approximately .5 mile

L. Watershed Number: Ash Creek and Sycamore Creek: 1507-0102-01M. Total Acres Burned: 7,997

NFS Acres (7997) Other Federal () State () Private ()

N. Vegetation Types: semi-desert grassland, pinyon-juniper, chaparralO. Dominant Soils: Vertic Haplustalfs, Lithic ArgiustollsP. Geologic Types: basalt

Q. Miles of Stream Channels by Order or Class: Miles within the burn perimeter include 10.3 miles of main stem and 17 miles of tributary intermittent and ephemeral channels.

R. Transportation System

Trails: 1.5 miles Roads: 8 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 4919.5 (low) 317 (moderate) 0 (high) 2760.5 (unburned)

B. Water-Repellent Soil (acres): 0

C. Soil Erosion Hazard Rating (acres):
 (low) 4500 (moderate) 3462 (high)

D. Erosion Potential: N/A tons/acre

E. Sediment Potential: N/A cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 1 - 2

B. Design Chance of Success, (percent): n/a

C. Equivalent Design Recurrence Interval, (years): n/a

D. Design Storm Duration, (hours): n/a

E. Design Storm Magnitude, (inches):

F. Design Flow, (cubic feet / second/ square mile): n/a

G. Estimated Reduction in Infiltration, (percent): n/a

H. Adjusted Design Flow, (cfs per square mile): n/a

PART V - SUMMARY OF ANALYSIS

A. Describe Watershed Emergency:

Life and private property: There is no known threat to life or property.

Water quantity/quality: The majority of streamside areas were burned with light intensity in a mosaic pattern. While there is likely to be a short term increase in sediment delivery to the channel network, vegetation is expected to regenerate quickly providing ground cover and reducing erosion. The reduced vegetative cover is likely to cause a small increase in water flow from intense rains, but the mosaic pattern of the burn will provide vegetative buffer that will act to catch most increases in overland flow. There are 166,754 acres within the Ash Creek-Sycamore Creek (1507-0102-01) watershed. The area within burn perimeter covers 4.8% of this 5th-level watershed.

Soil: The majority of the area was subjected to a mosaic of low burn severity with unburned areas and did not show any signs of hydro-phobic soil conditions. There are limited areas that have moderate burn severity with some weak to moderate hydro-phobic soils. The moderate burn severity sites organic matter has been partially consumed and experienced some soil structure deterioration. The majority of the soils within the fire perimeter is well armored with very high rock cover and is expected to remain stable with a minimal increase of erosion rates. The vegetation and soil recovery is expected to recover quickly.

Wildlife Species and Habitat: There is no known threat to wildlife species but possible short term impacts to the pronghorn antelope.

Noxious Weed: There are currently no known inventoried noxious weed sites within the burned perimeter.

Heritage resources: There are a number of heritage sites within the area impacted by the fire. These sites consist predominately of artifact concentrations and prehistoric habitations. Site types present include petroglyphs, sherd and flake stone, and indicators of small habitation. These sites are not in jeopardy because the majority of the fire was subject to a mosaic of unburned and light burn severity.

Roads and Trails: There is approximately 1.5 miles of OHV trails within the fire perimeter. The majority of the roads within the burned area are level 2 roads that are not regularly maintained and classified as 4X4 routes that are not recommended for passenger vehicles. These routes are not expected to be in jeopardy from post flow events because of the mosaic low burn severity with unburned areas.

B. Emergency Treatment Objectives: Natural Recovery

C. Probability of Completing Treatment Prior to First Major Damage-Producing Storm:

Land NA % Channel NA % Roads NA % Other NA %

D. Probability of Treatment Success: NA

	Years after Treatment		
	1	3	5
Land			
Channel			
Roads			
Other			

E. Cost of No-Action (Including Loss): n/a

F. Cost of Selected Alternative (Including Loss): n/a

G. Skills Represented on Burned-Area Survey Team:

<input checked="" type="checkbox"/> Hydrology	<input checked="" type="checkbox"/> Soils	<input type="checkbox"/> Geology	<input checked="" type="checkbox"/> Range	<input type="checkbox"/>
<input type="checkbox"/> Forestry	<input checked="" type="checkbox"/> Wildlife	<input type="checkbox"/> Fire Mgmt.	<input type="checkbox"/> Engineering	<input type="checkbox"/>
<input type="checkbox"/> Contracting	<input checked="" type="checkbox"/> Ecology	<input type="checkbox"/> Botany	<input checked="" type="checkbox"/> Archaeology	<input type="checkbox"/>
<input type="checkbox"/> Fisheries	<input type="checkbox"/> Research	<input type="checkbox"/> Landscape Arch	<input checked="" type="checkbox"/> GIS	

Team Leader:___ David Moore

Email: dmoore05.fs.fed.us

Phone: _ 928-777-2250

FAX: 928-777-2208

H. **Treatment Narrative:**

(Describe the emergency treatments, where and how they will be applied, and what they are intended to do. This information helps to determine qualifying treatments for the appropriate funding authorities. For seeding treatments, include species, application rates and species selection rationale.)

Natural Recovery.

I. **Monitoring Narrative:**

(Describe the monitoring needs, what treatments will be monitored, how they will be monitored, and when monitoring will occur. A detailed monitoring plan must be submitted as a separate document to the Regional BAER coordinator.)

The area will be monitored for natural recovery progress and invasive species through programatic work. No BAER funds are requested for this work.

Part VI – Emergency Rehabilitation Treatments and Source of Funds by Land Ownership

Line Items	Units	Unit Cost	NFS Lands				Other Lands			All Total
			# of Units	WFSU SULT \$	Other \$		# of units	Fed \$	# of Units Non Fed \$	
A. Land Treatments										
				\$0	\$0			\$0	\$0	\$0
				\$0	\$0			\$0	\$0	\$0
				\$0	\$0			\$0	\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0			\$0	\$0	\$0
<i>Subtotal Land Treatments</i>				\$0	\$0			\$0	\$0	\$0
B. Channel Treatments										
				\$0	\$0			\$0	\$0	\$0
				\$0	\$0			\$0	\$0	\$0
				\$0	\$0			\$0	\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0			\$0	\$0	\$0
<i>Subtotal Channel Treat.</i>				\$0	\$0			\$0	\$0	\$0
C. Road and Trails										
Warning Signs				\$0	\$0			\$0	\$0	\$0
				\$0	\$0			\$0	\$0	\$0
				\$0	\$0			\$0	\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0			\$0	\$0	\$0
<i>Subtotal Road & Trails</i>				\$0	\$0			\$0	\$0	\$0
D. Structures										
				\$0	\$0			\$0	\$0	\$0
				\$0	\$0			\$0	\$0	\$0
				\$0	\$0			\$0	\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0			\$0	\$0	\$0
<i>Subtotal Structures</i>				\$0	\$0			\$0	\$0	\$0
E. BAER Evaluation										
				\$2,000	\$0			\$0	\$0	\$2,000
				\$0	\$0			\$0	\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0			\$0	\$0	\$0
<i>Subtotal Evaluation</i>				\$2,000	\$0			\$0	\$0	\$2,000
F. Monitoring										
				\$0	\$0			\$0	\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0			\$0	\$0	\$0
<i>Subtotal Monitoring</i>				\$0	\$0			\$0	\$0	\$0
G. Totals				\$2,000	\$0			\$0	\$0	\$2,000

PART VII - APPROVALS

1. _____
Forest Supervisor (signature)










Date

2. _____
Regional Forester (signature)

Date

Butte Fire Severity

Legend

-  Steams Primary
-  Roads
-  Steams Secondary
-  Fire Severity
-  Unburned
-  Low w/ Unburned
-  Low
-  Moderate
-  Fire Perimeter

Butte Fire Total Acreage:
7997

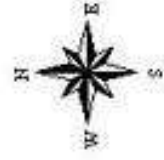
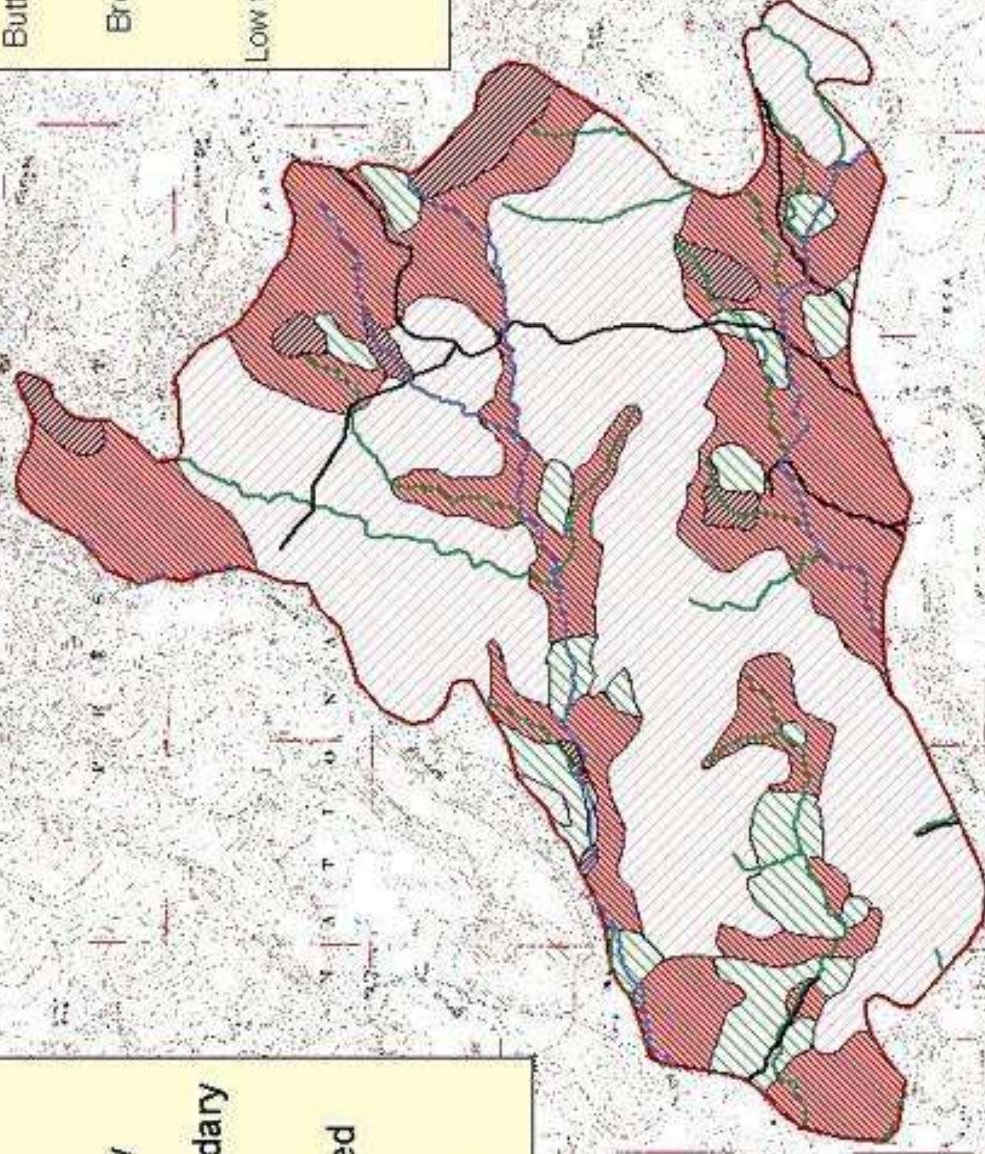
Breakdown by Severity:

Unburned: 719

Low w/ Unburned Patches:
4083

Low: 2878

Moderate: 317



This map is intended to depict the
data severity of the Butte Fire.

Source: Prescott National Forest,
Riverside, California
Date: 01/22/2005

or
1:50000