

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 DESCRIPTION

- A. Fire Name: SH Ranch Complex
- B. Fire Number: AZ-AZS-050848
- C. State: AZ
- D. County: Yavapai
- E. Region: 3
- F. Forest: Prescott National Forest
- G. District: Chino Valley
- H. Date Fire Started: July 17, 2005
- I. Date Fire Contained: July 24, 2005
- J. Suppression Cost: \$676,333
- K. Fire Suppression Damages Repaired with Suppression Funds
 - 1. Fireline waterbarred (miles): 0
 - 2. Fireline seeded (miles): 0
 - 3. Other (identify):
- L. Watershed Number: Sycamore Creek Watershed (1503-0203-02)

M. Total Acres Burned: 23,696
NFS Acres (1167) Other Federal () State (22,270) Private (282)

N. Vegetation Types: chaparral

O. Dominant Soils: Lithic Haplustalfs

P. Geologic Types: granite

Q. Miles of Stream Channels by Order or Class: The main stem of Loco Creek was minimally impacted by the fire. There are approximately 3 miles of ephemeral/intermittent channels within the burn perimeter on Forest lands.

R. Transportation System

Trails: .5 miles Roads: 1 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 1167* (unburned)/(low)/(moderate) 0 (high)

* See Part V

B. Water-Repellent Soil (acres): 0

C. Soil Erosion Hazard Rating (acres):
100 (low) (moderate) 1067 (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:

Soil: The site is located on a remote part of the forest that does not have resource concerns or values at risk. Flight photographs suggests the burn severity was low and non-continuous because the lack of fuels and extremely bouldery nature of the landscape. There are also large portions of unburned areas with patches of moderate burn severity. The majority of the soils within the fire perimeter is well armored with extremely 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.

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 151,636 acres within the Sycamore Creek (1503-0203-02) watershed, of which 98,950 are managed by the Prescott National Forest. While approximately 15.6% of the watershed was burned by this fire, only about 1.2% of the watershed within Forest boundaries was within the burn perimeter.

Wildlife Species and Habitat: There is no known threat to wildlife species.

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

Heritage resources: There are no previous surveys or previously recorded sites within the area impacted by the fire.

Roads and Trails: Trail 59 is approximately .5 miles long and FR 9807C is approximately 1 mile long. The level 2 road and is not regularly maintained and classified as a 4X4 route that is 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 type="checkbox"/> Range	<input type="checkbox"/>
<input type="checkbox"/> Forestry	<input checked="" type="checkbox"/> Wildlife	<input type="checkbox"/> Fire Mgmt.	<input checked="" 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	

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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.)

No BAER funds are requested for monitoring.

<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									
				\$800	\$0		\$0	\$0	\$800
				\$0	\$0		\$0	\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0	\$0	\$0
<i>Subtotal Evaluation</i>				\$800	\$0		\$0	\$0	\$800
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				\$800	\$0		\$0	\$0	\$800

PART VII - APPROVALS

1. _____
Forest Supervisor (signature) _____ Date _____
2. _____
Regional Forester (signature) _____ Date _____