USDA-FOREST SERVICE FS-2500-8 (7/00)

Date of Report: 2/4/05

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

[ ] 1. Funding request for estimated WFSU-SULT funds
[X] 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

[X] 3. Final Report (Following completion of work)

PART II - BURNED-AREA DESCRIPTION

A. Fire Name: New and River Fires

B. Fire Number: AZ-TNF-153 and 155

C. State: Az

D. County: Maricopa and Yavapai

E. Region: 03

F. Forest: Tonto

G. District: 01

H. Date Fire Started: 07/23/03

I. Date Fire Contained: 07/27/03

J. Suppression Cost: $200,000

K. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles):
2. Fireline seeded (miles):
3. Other (identify):

L. Watershed Number: 1507010208

M. Total Acres Burned: 1056
NFS Acres(1,056) Other Federal ( ) State ( ) Private ( )

N. Vegetation Types: chaparral, juniper grassland

O. Dominant Soils: Typic Haplustalfs, LSM, 4,-1; Lithic Haplustalfs, LSM 4, -1

P. Geologic Types: Basalt, Schist, and Granite

Q. Miles of Stream Channels by Order or Class: 3 miles of 1st order, 2 miles of 2nd order

I. Transportation System

Trails: 0 miles Roads: 3 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 644 (low and unburned) 202 (low –moderate) 209 (moderate)

B. Water-Repellent Soil (acres):

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

D. Erosion Potential: ____ tons/acre

E. Sediment Potential: ____ cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): ____

B. Design Chance of Success, (percent): ____

C. Equivalent Design Recurrence Interval, (years): ____

D. Design Storm Duration, (hours): ____

E. Design Storm Magnitude, (inches):

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

G. Estimated Reduction in Infiltration, (percent): ____

I. Adjusted Design Flow, (cfs per square mile): ____

PART V - SUMMARY OF ANALYSIS

I. Describe Watershed Emergency: The New and River Fires have been combined because of their close proximity. The River Fire burned approximately 270 acres in a remote area of the New River Mountains on the west side of New River. The New Fire Burned approximately 790 acres near Grapevine Mesa, east of New River. These fires burned primarily in chaparral and juniper grassland vegetation types. Burn severity is mostly low with approximately 30 percent burning with moderate severity. Private lands exist approxmately 1.5 miles below the area burned by the River Fire. No structures or developments on these private lands are threatened by runoff or sediment from the burned area. One bladed low water crossing across an ephemeral stream channel that drains the burned area exists on the private lands and may require maintenance following runoff from the burned area. Populations of Arizona agave, a federally listed species, exist within the burned area of the River Fire but are not thought to be threatened by runoff or erosion within the burned area because they occupy sites that are primarily located on flat or gently sloping rocky slopes. Known

National Register eligible cultural resource sites do not exist within or downgradient of the burned areas. Roads within and below the burned area are minimally threatened by increased runoff, sediment and debris. Minimal threats to health, safety, life, property and downstream values exist within and below the burned areas. Some acceleration of erosion and short term impacts to water quality during periods of storm runoff are expected. Much of the moderately burned area on the New Fire drains into a stock tank called Magazine Tank. Much of the sediment, ash and debris expected from the burned area will be caught in this tank. The remainder of the burned area is very small in comparison to the entire watershed and is expected to have minimal downstream impacts. Overall the watershed impacts expected from the burned area do not constitute emergency conditions that require soil stabilization or control of water, sediment and debris movement.

Fire suppression equipment originated from locations both on and off Forest. Some of the equipment may have transported noxious weeds to roads through and within the burned area. There is concern that noxious weeds may have been introduced to the burned area and may spread into the burned area and beyond.

I. Emergency Treatment Objectives: The only treatment recommended is to monitor whether noxious weeds have been introduced to the burned area and to control their spread if they appear within the burned area or along roads used by fire suppression equipment.

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

Land __ % Channel __ % Roads __ % Other __ %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land			
Channel			
Roads			
Other			

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

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

[X] Hydrology	[X] Soils	[ ] Geology	[X] Range	[ ]
[ ] Forestry	[ ] Wildlife	[ ] Fire Mgmt.	[ ] Engineering	[ ]
[ ] Contracting	[ ] Ecology	[ ] Botany	[X] Archaeology	[ ]

[ ] Fisheries [ ] Research [ ] Landscape Arch [ ] GIS

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I. **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.)

Land Treatments:

Channel Treatments:

Roads and Trail Treatments:

Structures:

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.)

Monitoring will be conducted to determine whether noxious weeds have been introduced to the burned area and if they have been introduced whether they are spreading. Monitoring will be conducted in the fall after the summer rainy season or in the spring following the winter rainy season.

Treatment Accomplishments

Monitoring to detect and remove weeds was completed in the spring of 2004.

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

			NFS Lands				Other Lands			All
		Unit	# of	WFSU	Other	# of	Fed	# of	Non Fed	Total
Line Items	Units	Cost	Units	SULT $	$	units	$	Units	$	$
A. Land Treatments										
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Land Treatments				$0	$0		$0		$0	$0
B. Channel Treatments										
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Channel Treat.				$0	$0		$0		$0	$0
C. Road and Trails										
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Road & Trails				$0	$0		$0		$0	$0
D. Structures										
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Structures				$0	$0		$0		$0	$0
E. BAER Evaluation										
				$1,030	$0		$0		$0	$1,030
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Evaluation				$1,030	$0		$0		$0	$1,030
F. Monitoring										
				$783	$0		$0		$0	$783
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Monitoring				$783	$0		$0		$0	$783
G. Totals				**$1,813**	**$0**		**$0**		**$0**	**$1,813**

PART VII - APPROVALS

1. /s/ Thomas J Klabunde — 2/7/05
   Forest Supervisor (signature) — Date

2. _____ _____
   Regional Forester (signature) — Date