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

Date of Report:7/29/05

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
[x] 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: Knoles

B. Fire Number:AZ-TNF-145

C. State:AZ

D. County:Gila

E. Region: 03

F. Forest:Tonto

G. District:Pleasant Valley

H. Date Fire Started: 7/17/05

I. Date Fire Contained:7/29/05

J. Suppression Cost:

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

L. Watershed Number:1506010304

M. Total Acres Burned:600
NFS Acres(600) Other Federal ( ) State ( ) Private ( )

N. Vegetation Types:Chaparral, Mixed Conifer

O. Dominant Soils:Typic Haplustalfs; GES Map Unit 487, Typic Ustochrepts- Typic Dystrochrepts- Rock Outcrop Association

P. Geologic Types:Cambrian to Devonian sandstone and quartzite

Q. Miles of Stream Channels by Order or Class:

R. Transportation System

Trails: _ miles Roads: _ miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): __ (low) ___ (moderate) ___ (high)

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): ____

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

PART V - SUMMARY OF ANALYSIS

A. Describe Watershed Emergency:

There is no known watershed emergency on this fire. The Knoles Fire burned approximately 600 acres of chaparral and mixed conifer on Center Mountain. Fire managers stated that the fire was low in intensity and burned primarily litter and understory vegetation. The headwaters of Reynolds Creek were exposed to the burn but runoff from the burned area is not expected to significantly impact the creek. The eastern aspect of the fire drains down into Cherry Creek. Runoff from the burned area is not expected to significantly impact the creek. Water bars were constructed on Forest Trail 142 by the suppression team to prevent localized erosion. There are no roads at risk from flooding occuring downstream of the burned area.

B. Emergency Treatment Objectives:

Treatments are not recommended.

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	[ ] Range	[ ]
[ ] Forestry	[ ] Wildlife	[**x**] Fire Mgmt.	[ ] Engineering	[ ]
[ ] Contracting	[x] Ecology	[ ] Botany	[ ] Archaeology	[ ]
[ ] Fisheries	[ ] Research	[ ] Landscape Arch	[ ] 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.)

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.)

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
Subtotal Land Treatments				$0			$0		$0	$0
B. Channel Treatments										
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Channel Treat.				$0			$0		$0	$0
C. Road and Trails										
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Road & Trails				$0			$0		$0	$0
D. Structures										
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Structures				$0			$0		$0	$0
E. BAER Evaluation										
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
G. Totals				**$0**			**$0**		**$0**	**$0**

PART VII - APPROVALS

1. /s/ Tom Klabunde_____ 8/1/05
   for Forest Supervisor (signature) Date

2. _____ _____
   Regional Forester (signature) Date