

Date of Report: 31 July 2003

BURNED-AREA REPORT
(Reference FSH 2509.13)**PART I - TYPE OF REQUEST****A. Type of Report**Funding request
Accomplishment Report**X** No Treatment Recommendation**B. Type of Action**

Initial Request (Best estimate of funds needed to complete eligible rehabilitation measures)

Interim Report

Updating the initial funding request based on more accurate site data or design
analysis

Status of accomplishments to date

Final Report (Following completion of work)

PART II - BURNED-AREA DESCRIPTION

Fire Name:	Woodenshoe Fire	Fire Number:	UT-MLF-3129
State:	Utah	County:	San Juan
Region:	R4	Forest:	Manti-La Sal
District:	Moab-Monticello		
Date Fire Started:	28 June 2003	Date Fire Contained:	Still monitored
Suppression Cost:	\$820,000		

Fire Suppression Damages Repaired with Suppression Funds

Fireline waterbarred (miles):

Fireline seeded (miles):

Other (identify):

Watershed Number: 1407000102 Dark Canyon

Total Acres Burned: 2697

NFS Acres: 2677 Other Federal: State: Private:

Vegetation Types: Major vegetation types include:
coniferous forest – 1024 acres; rock – 522 acres; mountain brush – 353
acres; pinyon-juniper woodlands – 367 acres; aspen forest – 259 acres,
and desert shrub – 164 acres

Dominant Soils: not determined

Geologic Types: not determined

Miles of Stream Channels by Order or Class: not determined

First Order: Second Order: Third Order: Fourth Order:

Transportation System

Trails: 420 ft Roads: 4 miles

PART III - WATERSHED CONDITION

Burn Severity (acres): based on RSAC imagery and analysis

Low: 524 Moderate: 770 High: 370

Water-Repellent Soil (acres): assumed based on experience with 2002 fire on the district

Low: Moderate: 385 High: 755

Soil Erosion Hazard Rating (acres): not determined

Low: Moderate: High: Severe:

Erosion Potential (tons/acre): not determined

Sediment Potential (cu yd/sq mi): not determined

PART IV - HYDROLOGIC DESIGN FACTORS

Estimated Vegetative Recovery Period, (years) 3 to 15

Design Chance of Success, (percent)

Equivalent Design Recurrence Interval, (years)

Design Storm Duration, (hours)

not

Design Storm Magnitude, (inches)

determined

Design Flow, (cubic feet / second/ square mile)

Estimated Reduction in Infiltration, (percent)

Adjusted Design Flow, (cfs per square mile)

PART V - SUMMARY OF ANALYSIS***Describe Watershed Emergency: None***

The BAER team initially identified the following values potentially threatened by changed conditions due to the fire:

- a threat to several archeological sites due to flash flooding, water and wind erosion, falling trees, rock falls and spalling, and increased visibility;
- a threat to the classified trail system in the burned portion of the Dark Canyon Wilderness due to accelerated erosion and flash flooding;
- a threat to users of the classified road and trail system due to hazard trees; and
- a threat to classified roads due to accelerated runoff and/or transport and deposition of debris.

With further investigation, the archeologist has concluded that the known sites in Woodenshoe and Cherry Canyon were not burned, nor are they threatened by accelerated runoff from adjacent, tributary burned areas. No emergency response is needed.

The affected distance of classified trail is minor (420 ft). The portion of the Woodenshoe Trail (380 ft.) in the burned area also parallels Woodenshoe Canyon, which is largely unburned, and is periodically washed out by flash floods under normal circumstances. No emergency response is needed.

A reconnaissance evaluation for hazard trees adjacent to the classified roads has been done. There are several areas of concern adjacent to FR 108; however, the District plans to use these areas as a training exercise for the fire crews. No emergency response is needed.

Hazard trees in the wilderness have not been evaluated in detail. The changed circumstances presented by the fire are within the range of threat and risk wilderness users should expect in remote, backcountry travel and camping. No emergency response is needed.

The classified roads are on the middle and upper portions of slopes and in areas burned at light to moderate intensity. Based on road condition inventories done in 2001, there appears to be adequate cross-drainage. Based on our experience with the 2003 fires across the District, we do not anticipate problems due to the fire but a localized, high-intensity storm could result in plugged culverts from fire-related debris and/or ditch and fill-slope erosion from accelerated runoff. In compliance with the BAER policy of preferring the 'no treatment' option, the team is not proposing any preemptive, emergency response. However, we will monitor road conditions over the course of the summer and may propose remedial treatments should damage occur.

Emergency Treatment Objectives: None

Skills Represented on Burned-Area Survey Team:

x Hydrology	Soils	Geology	x Range
x Forestry	x Wildlife	Fire Mgmt.	Engineering
Contracting	Ecology	Botany	x Archaeology
Fisheries	Research	Landscape Arch	x GIS
x Recreation	x Wilderness		

Team Leader: Katherine Foster

Email: Kfoster01@fs.fed.us

Phone: 435.636.3503

FAX: 435.637.4940

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		\$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
Subtotal Structures				\$0				\$0		\$0	\$0
E. BAER Evaluation											
initial assessment	days	260	20	\$5,200				\$0		\$0	\$5,200
				\$0				\$0		\$0	\$0
F. Monitoring								\$0		\$0	\$0
G. Totals				\$5,200				\$0		\$0	\$5,200

PART VII - APPROVALS_____
Forest Supervisor (signature)_____
Date_____
Regional Forester (signature)_____
Date