USDA-FOREST SERVICE Date of Report: 7/29/93

BURNED-AREA REPORT
(Reference FSH 2509.13, Report FS-2500-8)

PART I - TYPE OF REQUEST

A. Type of Report

[ ] 1. Funding request for estimated EFFS-FW22 funds
[ ] 2. Accomplishment Report
[X] 3. No Treatment Recommendation

B. Type of Action

[X] 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 and design analysis
[ ] Status of accomplishments to-date

[ ] 3. Final report - following completion of work

PART II - BURNED-AREA DESCRIPTION

A. Fire Name: DADDY FIRE B. Fire Number: AZ-COF-050

C. State: ARIZONA D. County: YAVAPAI
E. Region: 3 F. Forest: COCONINO
G. District: SEDONA

H. Date Fire Started: 7/22/93 I. Date Fire Controlled: 7/22/93
J. Suppression Cost: $66,000

K. Fire Suppression Damages Repaired with EFFS-PF12 Funds:
1. Fireline waterbarred (miles) N/A
2. Fireline seeded (miles) 1/2 MILES
3. Other (identify) _____

L. Watershed Number: 15060202-187

M. NFS Acres Burned: 490 Total Acres Burned: 500
Ownership type:
( )State ( )BLM ( )PVT (10)CITY SEDONA

N. Vegetation Types: DESERT SHRUB/GRASSLAND (MESQUITE,CANOTIA,BLACKGRAMA, SAND DROPSEED,TOBOSA,STIPA

O. Dominant Soils: (1)TYPIC USTOCHREPTS(CALCAREOUS) & (2)LITHIC HAPLUSTALFS (CLAYEY-SKELETAL) THERMIC

P. Geologic Types: (1)LOWLAND PLAINS-ALLUVIUM,BASALT (2)CULLUVUIM/RESIDUUM BASALT,FELSITE

Q. Miles of Stream Channels by Order or Class:
1 1/2 2nd order 1/4 3rd order _____ _____

R. Transportation System:
Trails: _____ (miles) Roads: 2 (miles)

PART III - WATERSHED CONDITION

A. Fire Intensity (Acres): 300 (low) 150 (moderate) 50 (high)

B. Water Repellant Soil (Acres): 200

C. Soil Erosion Hazard Rating (Acres):
500 (low) _____ (moderate) _____ (high)

D. Erosion Potential: 4.5 tons/acre
E. Sediment Potential: 200 cu. yds/sq. mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period: 2 years.
B. Design Chance of Success: 75 percent.
C. Equivalent Design Recurrence Interval: ? years.
D. Design Storm Duration: 6 hours. 2 YEAR
E. Design Storm Magnitude: 1.7 inches.
F. Design Flow: <10 cfsm.
G. Estimated Reduction in Infiltration: 30-40 percent.
H. Adjusted Design Flow: 10-20 cfsm.

PART V - SUMMARY OF ANALYSIS

A. Describe Emergency: THIS FIRE DOES NOT WARRENT A WATERSHED EMERGENCY. THE FIRE OCCURRED MAINLY ON 1-5% SLOPES WITH A LOW TO MODERATE EROSION HAZARD POTENTIAL. MOST OF THE AREA HAS A AN ADEQUATE AMOUNT OF EFFECTIVE SURFACE COVER TO LIMIT EROSION TO WITHIN TOLLERANCE LEVELS. THE PHYSICAL PROPERTIES OF THESE SOILS PRODUCE SEASONAL SURFACE CRACKING AND CAUSE SUBSOIL DRYING. REVEGETATION POTENTIAL IS LIMITED BY THE SURFACE CRACKING AND PONDING. UPLAND SOILS ARE SHALLOW AND ROCK FRAGEMENTS WILL FURTHER LIMIT REVEGETATION SUCCESS. THE SURFACE HYDROPHOBIC CONDITIONS RESULTING IN REDUCED INFILTRATION IS EXPECTED TO SELF MITIGATE WITHIN THE NEXT SEVERAL MONTHS WITH THE MONSOON RAINS.

B. Emergency Treatment Objectives: N/A

C. Probability of Completing Treatment Prior to First Major Damage Producing Storm:
Land N/A % 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): $ 1000

F. Cost of Selected Alternative (Including Loss): $ 1000

G. Skills Represented on Burned-Area Survey Team:

[X] Hydrology	[X] Soils	[ ] Geology	[X] Range
[X] Timber	[X] Wildlife	[X] Fire Mgmt.	[ ] Engineering
[ ] Contracting	[X] Ecology	[ ] Research	[ ] Archaeology
[ ] _____	[ ] _____	[ ] _____	[ ] _____

Team Leader: KEN LUCKOW
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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.

NO TREATMENT RECOMMENDED

PART VI - EMERGENCY REHABILITATION TREATMENTS AND SOURCE OF FUNDS BY LAND OWNERSHIP

NOTE: Emergency rehabilitation is work done promptly following a wildfire and is not to solve watershed problems that existed prior to the wildfire.

NO TREATMENT RECOMMENDED

PART VII - APPROVALS

1. /s/ _____ _____
Forest Supervisor (Signature) Date

2. /s/ _____ _____
Regional Forester (Signature) Date