

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
☒ 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 and design analysis
 ☐ Status of accomplishments to-date

☐ 3. Final report - following completion of work

PART II - BURNED-AREA DESCRIPTION

- A. Fire Name: Melon Fire B. Fire Number: AZ-COF-043
- C. State: AZ D. County: Yavapai
- E. Region: 3 F. Forest: Coconino
- G. District: Beaver Creek/Sedona RDs
- H. Date Fire Started: 7/5/93 I. Date Fire Controlled: 7/6/93
- J. Suppression Cost: \$20,000
- K. Fire Suppression Damages Repaired with EFFS-PF12 Funds:
 1. Fireline waterbarred (miles) 0
 2. Fireline seeded (miles) 1.5
 3. Other (identify) _____
- L. Watershed Number: 15060202-187
- M. NFS Acres Burned: 380 Total Acres Burned: 400
 Ownership type:
 (20) State () BLM (<1) PVT () _____
- N. Vegetation Types: Desert Shrub/Grassland (Mesquite/Cresote Bush/Black Gramma/Sand Dropseed)
- O. Dominant Soils: Calciorthidic Ustochrepts, deep, coarse-loamy, mixed, thermic. Fine Sandy Loam surface
- P. Geologic Types: Alluvium from the Verde limestone formation
- Q. Miles of Stream Channels by Order or Class:
 0.25 mi 2nd Order 0.5 mi 3rd Order _____
- R. Transportation System:
 Trails: n/a (miles) Roads: 0.25 (miles)

PART III - WATERSHED CONDITION

- A. Fire Intensity (Acres): 320 (low) 80 (moderate) _____ (high)
- B. Water Repellant Soil (Acres): 200
- C. Soil Erosion Hazard Rating (Acres):
_____ (low) 400 (moderate) _____ (high)
- D. Erosion Potential: 2.7 tons/acre
- E. Sediment Potential: 100 cu. yds/sq. mile

PART IV - HYDROLOGIC DESIGN FACTORS

- A. Estimated Vegetative Recovery Period: 2 years.
- B. Design Chance of Success: 100 percent.
- C. Equivalent Design Recurrence Interval: n/a years.
- D. Design Storm Duration: 6 hours. 2 year storm.
- E. Design Storm Magnitude: 1.4 inches.
- F. Design Flow: <10 cfs.
- G. Estimated Reduction in Infiltration: 0-50 percent.
- H. Adjusted Design Flow: <15 cfs.

PART V - SUMMARY OF ANALYSIS

- A. Describe Emergency:

The team felt this fire did not warrant a watershed emergency. The fire was of light to moderate intensity and occurred on gentle 1-5 percent slopes for the most part. The remaining effective ground cover (10-15%) is sufficient to maintain soil erosion within tolerance (less than 3 tons/acre/year). There is evidence of surface hydrophobic soil conditions- but this is expected to ameliorate itself within 3-6 months. There should be enough viable native seed present to re-establish a pre-burn effective ground cover within 2 years.

- 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 n/a

	<----Years after treatment---->		
	1	3	5
Land			
Channel			
Roads			
Other			

E. Cost of No-Action (Including Loss): \$ 500

F. Cost of Selected Alternative (Including Loss): \$ 500

G. Skills Represented on Burned-Area Survey Team:

<input checked="" type="checkbox"/> Hydrology	<input checked="" type="checkbox"/> Soils	<input type="checkbox"/> Geology	<input checked="" type="checkbox"/> Range
<input type="checkbox"/> Timber	<input checked="" type="checkbox"/> Wildlife	<input type="checkbox"/> Fire Mgmt.	<input type="checkbox"/> Engineering
<input type="checkbox"/> Contracting	<input checked="" type="checkbox"/> Ecology	<input type="checkbox"/> Research	<input checked="" type="checkbox"/> Archaeology
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____

Team Leader: Ken Luckow, Forest Hydrologist

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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/ _____ Date _____
Forest Supervisor (Signature)

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