USDA-FOREST SERVICE Date of Report: June 18, 1988

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

PART I - TYPE OF REQUEST

1. Type of Report

   [x] A. Funding (Request for estimated FFF funds)
   [ ] B. Accomplishment Report

2. Type of Action

   [x] A. Initial (estimated funding is first requested)
   [ ] B. Interim

      [ ] Updating the initial funding request.
      [ ] Supplying information for accomplishments to date on emergency work underway.

   [ ] C. Final

      [ ] Best estimate for funds needed to complete eligible rehabilitation measure.
      [ ] Following completion of funded work.

PART II - FIRE LOCATION

1. Fire Name (from Form FS-5100-29): Peak
2. Forest Supervisor's Fire No. (from Form FS-5100-29): AZ-CNF-054
3. State: Arizona
4. County: Cochise
5. Region: Southwest
6. Forest: Coronado
7. Ranger District: Sierra Vista
8. Date Fire Started: June 10, 1988
9. Date Fire Controlled: June 17, 1988
10. Estimated Suppression Costs: $ 1,500,000
11. Fire Suppression Damages Repaired with FFF 102 Funds:

    19 miles (firelines waterbarred)
    21 acres (firelines seeded)
    5 acres fire camp rehabilitation

12. Fire Intensity: 30 % (low) 35 % (medium) 35 % (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

1. Watershed No.: 15-05-02-02-50
2. NFS Acres Burned: 5,000
3. Water Repellant Soil: 35 % of NFS acres burned

4. Vegetation Types: Mixed Conifer, Pinyon Pine, Oak, Juniper, Mt. Mahogany, Mesquite-grassland

5. Geologic Types: Limestone, Granite, and Rhyolite
6. Soil Erosion Hazard Rating:

   _20__ % (low) __20_ % (medium) __60_ % (high)

7. Erosion Potential: __56____tons/acre/year
8. Miles of Stream Channels by Regional Order or Classes: No live streams, but valuable wildlife habitat in sycamore-ash ecosystems along 7.75 miles of ephemeral streams.
9. Miles of Forest Service Trails: 2.3
10. Miles of Forest Service Roads by Maintenance Levels:

    __1___ miles (Level I) __0__ miles (Level II)
    _4___ miles (Levels III, IV, V)

PART IV - CALCULATED RISK AND CLIMATIC EVALUATION

1. Estimated Vegetative Recovery Period: _3 years.
2. Chance of Success Desired by Management: _70 percent.
3. Equivalent Design Recurrence Period: 25 years.
4. Related Design Storm Duration: __1 hours.
5. Related Design Storm Magnitude: 4.12 inches.
6. Related Design Flow _219_ cfsm.
7. Estimated Reduction in Infiltration: 25_ percent.
8. Adjusted Related Design Flow: _375_ cfsm.

PART V - SUMMARY OF SURVEY AND ANALYSIS

1. Skills Represented on Burned Area Survey Team ("x" appropriate boxes):

[x] Hydrology	[x] Soils	[ ] Geology	[x] Range
[ ] Timber	[x] Wildlife	[ ] Fire Mgmt.	[x] Engineering
[ ] Contracting	[x] Local Mgmt.	[ ] Research	[ ] Archeology

2. Describe Emergency: Severe erosion hazard, loss of site productivity and consequent loss of wildlife browse area, risk of loss of Forest Road 59 in Ash Canyon Watershed.
3. Emergency Rehabilitation Objective: To reduce damage to Forest Road 59 this rainy season and provide for increased ground cover to protect land productivity within three years and reduce degradation of the soil resource.
4. Probability of Completing Treatment Prior to First Major Damage Producing Storm:

   Land _ 70_ % Channel _na__ % Roads _70__ % Other _____ %

5. Net Environmental Quality Benefit Index:

   [x] Significant [ ] Not Significant

6. Net Social Well Being Benefit Index:

[ ] Significant [x] Not Significant

7. Benefit/Cost Ratio: 0.8:1
8. Net Benefits: $ _-4459_____
9. Cost Effectiveness Index: [ ] I. [ ] II. [x] III. [ ] IV.

PART VI - ELIGIBLE EMERGENCY REHABILITATION MEASURES OR TREATMENTS AND SOURCE OF FUNDS

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

			NFS Lands			Other Lands		
Line Items	Units	Unit Cost	No. of Units	FFF 092 $	Other $ ident.	No. of Units	Federal$ ident.	Non-Federa $ identify
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. LAND								
a. Seeding	Acres	11	1500	16,500				
16,500								
b. Terracettes	Acres	20	50	1,000				
1,000								
c.								
d.								
e.								
B. CHANNELS								
a. Opening water courses	Miles							
b. Stabilizing streambanks	Miles							
c.								
d.								
e.								
C. ROADS AND TRAILS								
a. Culverts	Each	2000	2	4,000				
4,000								

b. Fordwall	Each	4000	1	4,000				4,000
c.								
D. MAJOR STRUCTURES								
a. Preplanned -								
from Forest								
Plans								
E. TOTAL				$25,500	$		$	$ 25,500

PART VII - APPROVALS

/S/ R. B. Tippeconnic — June 18, 1988

Forest Supervisor (Signature) — Date

/S/ — _____

Regional Forester (Signature) — Date