

94
United States
Department of
Agriculture

Forest
Service

Coronado
National Forest

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Reply to: 2520 Watershed Protection and Management Date: October 3, 1994

Subject: Miller Fire Burned Area Emergency Rehabilitation

To: Regional Forester, R3

We have completed the work for rehabilitation of the Miller Fire. Total costs came to \$26,314.10.

/s/J. M. Borens, Jr.

J. M. BORENS, JR.
Acting Forest Supervisor

Enclosure: Burned Area Report, FS 2500-8

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

PART I - TYPE OF REQUEST

1. Type of Report

- ☐ A. Funding (Request for estimated NFFF-FW22 funds)
☒ B. Accomplishment Report

2. Type of Action

- ☐ A. Initial (estimated funding is first requested)
☐ B. Interim
 a. ☐ Updating the initial funding request.
 b. ☐ Supplying information for accomplishments to date
 on emergency work underway.

☒ C. Final

- a. ☐ Best estimate for funds needed to complete eligible
 rehabilitation measure.
 b. ☒ Following completion of funded work.

PART II - FIRE LOCATION

- a. Fire Name (from Form FS-5100-29): MILLER
b. Forest Supervisor's Fire No. (from Form FS-5100-29): AZ-CNF-080
c. State: ARIZONA
d. County: COCHISE
e. Region: SOUTHWESTERN (3)
f. Forest: CORONADO
g. Ranger District: SIERRA VISTA
h. Date Fire Started: JUNE 3, 1994
i. Date Fire Controlled: JUNE 9, 1994 @ 1800
j. Estimated Suppression Costs: \$1,200,000
k. Fire Suppression Damages Repaired with FFF 102 Funds:

1. 7 miles (firelines waterbarred)
2. 4 acres (firelines seeded)
3. _____ Other (identify)

- l. Fire Intensity: 29 % (low) 40 % (medium) 31 % (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

- a. Watershed No.: 1505020250
b. NFS Acres Burned 2815 Total Acres Burned 2915
Ownership type: (list acres if known)
() State; () BLM; (X) PVT; () Other _____
c. Water Repellant Soil: 30 % of NFS acres burned
d. Vegetation Types: OAK WOODLAND, MIXED CONIFER
e. Geologic Types: PRECAMBRIAN GRANITE AND CARBONIFEROUS AND DEVONIAN
LIMESTONE, SHALE, SANDSTONE, AND QUARTZITE
f. Soil Erosion Hazard Rating:

10 % (low) 59 % (medium) 31 % (high)

- g. Erosion Potential: 30.3 TONS/AC/YR_ cu. yds/sq. miles
- h. Miles of Stream Channels by Regional Order or Classes: 6.3 MILES OF CHANNEL WITH RIPARIAN HABITAT
- i. Miles of Forest Service Trails: 2.8
- j. Miles of Forest Service Roads by Maintenance Levels:
 _____ miles (Level I) _____ miles (Level II)
 2.3 miles (Levels III, IV, V)

PART IV - CALCULATED RISK AND CLIMATIC EVALUATION

- a. Estimated Vegetative Recovery Period: _3_ years.
- b. Chance of Success Desired by Management: _70_ percent.
- c. Equivalent Design Recurrence Period: 25 years.
- d. Related Design Storm Duration: _24_ hours.
- e. Related Design Storm Magnitude: 3.8 inches.
- f. Related Design Flow _685_ cfs.
- g. Estimated Reduction in Infiltration: _25_ percent.
- h. Adjusted Related Design Flow: _685_ cfs.

PART V - SUMMARY OF SURVEY AND ANALYSIS

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

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

- b. Describe Emergency:

SEVERE EROSION HAZARD, LOSS OF SITE PRODUCTIVITY AND CONSEQUENT LOSS OF WILDLIFE BROWSE AREA, RISK OF LOSS OF FOREST ROAD 796 AND SEVERAL PRIVATE ROADS. (see narrative)

- c. Emergency Rehabilitation Objective:

REDUCE DAMAGE TO ROADS THIS RAINY SEASON AND PROVIDE FOR INCREASED GROUND COVER TO PROTECT LAND PRODUCTIVITY WITHIN 3 YEARS AND REDUCE DEGRADATION OF THE SOIL RESOURCE. (see narrative)

- d. Probability of Completing Treatment Prior to First Major Damage Producing Storm:

Land _70_ % Channel _70_ % Roads _70_ % Other _____ %

- e. Net Environmental Quality Benefit Index:

☐ Significant ☒ Not Significant

- f. Net Social Well Being Benefit Index:

☒ Significant ☐ Not Significant

- g. Benefit/Cost Ratio: 2.9

- h. Net Benefits: \$ _140,700_

- i. Cost Effectiveness Index: ☐ I. ☐ II. ☒ 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 to solve watershed problems that existed prior to the wildfire.

Line Items	Units	Unit Cost	NFS Lands			Other Lands			All
			No. of Units	NFFF-FW22 \$	Other \$ ident.	No. of Units	Federal\$ ident.	Non-Fed \$ EWP ident.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Total \$
A. 1) Land									
a. Seed and									
Aerial application	Acres	23.4	905	21,164					21,164
b.									
c.									
d.									
A. 2) Channels									
a. Opening water									
courses	Miles								
b. Stabilizing									
streambanks	Miles								
c. SPRING PROTECTION	EACH	2370	1	2370					2,370
d.									
e.									
B. ROADS AND TRAILS									
a. SMALL CROSSINGS									
b. MEDIUM CROSSINGS									
c. LARGE CROSSINGS									
D. TRASH RACKS									
C. MAJOR STRUCTURES									
a. Preplanned -									
from Forest									
Plans									
D. BAER Team				2780					2,780
D. TOTAL				\$26314	\$		\$	\$	\$ 26,314

PART VII - APPROVALS

1. Mike Borens 10/3/94
Acting Forest Supervisor (Signature) Date
2. _____
Regional Forester (Signature) Date