

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 EFFF-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: Pinatosa B. Fire Number: NM CIF 012
C. State: New Mexico D. County: Lincoln
E. Region: R-03 F. Forest: Cibola
G. District: Mountainair
H. Date Fire Started: 3/12/96 I. Date Fire Controlled: 3/18/96 est
J. Suppression Cost: \$ 600,000 est
K. Fire Suppression Damages Repaired with EFFF-PF12 Funds:
 1. Fireline waterbarred (miles) 12
 2. Fireline seeded (miles) 12
 3. Other (identify) _____
L. Watershed Number: 1305000367
M. NFS Acres Burned: 11,000 Total Acres Burned: 12000
 Ownership type:
 () State () BLM (1000) PVT () _____
N. Vegetation Types: Ponderosa Pine
 Pinyon Pine/One Seed Juniper
O. Dominant Soils: Typic Ustochrepts, coarse loamy to loamy skeletal, mixed
 frigid to mesic in the lower sites
P. Geologic Types: granitic inclusions, San andras sedimentaries
Q. Miles of Stream Channels by Order or Class:
 5 miles #6 6 miles #7
R. Transportation System:
 Trails: 0 (miles) Roads: 5 (miles)

PART III - WATERSHED CONDITION

- A. Fire Intensity (Acres): 6,550 (low) 4,200 (moderate) 1,250 (high)
- B. Water Repellant Soil (Acres): 25 (2% of high)
- C. Soil Erosion Hazard Rating (Acres):
6000 (low) 4,200 (moderate) 1800 (high)
- D. Erosion Potential: 3,630 tons/acre
- E. Sediment Potential: 118,530 cu. yds/sq. mile

PART IV - HYDROLOGIC DESIGN FACTORS

- A. Estimated Vegetative Recovery Period: 5 years.
- B. Design Chance of Success: 90 percent.
- C. Equivalent Design Recurrence Interval: 25 years.
- D. Design Storm Duration: 24 hours.
- E. Design Storm Magnitude: 2.4 inches.
- F. Design Flow: 262 cfs.
- G. Estimated Reduction in Infiltration: 1 percent.
- H. Adjusted Design Flow: 500 cfs.

PART V - SUMMARY OF ANALYSIS

- A. Describe Emergency:

Declared wildfire that has caused high intensity burn to 1250 acres in the Sawmill and Red Cloud Canyon area on the south end of the Gallinas Mountains. The varied topography with 60% of the high intensity burn on steep to very steep slopes currently threatens an occupied house and out buildings, wells, FS 99 roadway, and stock tank. Site productivity is a concern with the underlying precambrian granite parent material which covers large areas of the fire.

- B. Emergency Treatment Objectives:

Minimize damage to private residence, road system, and wells.
 Protect site productivity

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

Land 95 % Channel 90 % Roads % Other %

- D. Probability of Treatment Success

	<---Years after treatment--->		
	1	3	5
Land	50	75	100
Channel	100	100	100
Roads			
Other			

E. Cost of No-Action (Including Loss): \$ 27,300

F. Cost of Selected Alternative (Including Loss): \$ 24,400

G. Skills Represented on Burned-Area Survey Team:

<input 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 type="checkbox"/> Ecology	<input type="checkbox"/> Research	<input checked="" type="checkbox"/> Archaeology
<input checked="" type="checkbox"/> Recreation	<input checked="" type="checkbox"/> district range	<input type="checkbox"/> _____	<input type="checkbox"/> _____

Team Leader: Steve McWilliams

Phone: (505) 761-4650 DG Address: R03F03A

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.

Seed high intensity burn areas using helicopter application with:

SPECIE MIX	20% Intermediate Wheatgrass	(smith's - I)
	15% Hard Fescue	(F. ovata)
	40% Annual Rye	
	15% Smooth Brome	
	10% Yellow Sweet clover	

This mix is similar to the mix the district has applied and found effective on past activities. It allows for protection of the area while holding competition for shrub and tree species to a moderate level.

Fire lines (hand and cat) seeded with district seed stock similar to mix

Mulch hillside behind residence following seeding with weed free straw.
Cover aproximately 4 acres in strips at 1000# to the acres

Construct erosion fence on hill side behind residence after seeding and mulch for aproximately 150 feet in length using posts and staples. This will act as a last defense to prevent overland flow and sedimentation to the house.

2 debris rakes (trash racks) above residence to prevent large debris from damaging house, exact sites to be determined. This is to protect house, small bridge spanning drainage to access house and foot bridge. These bridges were not designed for the anticipated flow that can be expected following the wildfire.

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.

			NFS Lands			Other Lands			All
Line Items	Units	Unit Cost \$	Number of Units	EFFS-FW22 \$	Other \$	Number of Units	Fed \$	Non-Fed \$	Total \$
					ident.		ident.	ident.	
A. LAND TREATMENTS									
Seeding (8015# @ .71/#)	acre	3.55	1603	5690					5690
Helicopter	acre	2.73	1603	4388					4388
Seeding bucket	acre	.31	1603	500					500
mulch	acre	368	1.5	552					552
silt fence	FT	1.85	200	370					370
B. CHANNEL TREATMENTS									
Debris rakes	ea	80	2	160					160
TOTAL									
C. ROADS AND TRAILS									
D. STRUCTURES									
E. BAER EVALUATION/ ADMINISTRATIVE SUPPORT									
F. TOTALS				11,660					11,660

PART VII - APPROVALS

1. /s/ Jeanine ^A Derby Jeanine A. Derby 10/11/96
Forest Supervisor (Signature) Date
2. /s/ John R. Kirkpatrick _____ Date
Deputy Regional Forester (Signature)