FS-2500-8 (8/93)

USDA-FOREST SERVICE Date of Report: 5/11/95

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

[ ] 1. Funding Request for Estimated FFFS-FW22 Funds
[x] 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

[x] 3. Final report-following completion of work

PART II - BURNED-AREA DESCRIPTION

A. Fire Name: Rincon B. Fire Number: NPS-20 AZSAP-003

C. State: Arizona D. County: Pima

E. Region: 3 F. Forest: Coronado

G. District: Santa Catalina

H. Date Fire Started: 7/4/94 I. Date Fire Controlled: 7/24/94

J. Suppression Cost: (est.) 5.5 million

K. Fire Suppression Damages Repaired with FFFS-PF12 Funds:
1. Fireline waterbarred (miles) _____
2. Fireline seeded (miles) _____
3. Other (identify) see NPS BAER Report

L. Watershed Number: 1505030260, 1505030259, 1505020251, 1505020353

M. NFS Acres Burned: 3,693 Total Acres Burned: 14,590
Ownership type:
( )State ( )BLM ( )PVT (x) NPS

N. Vegetation Types: Pipo/Quga (LSC,5,0); Pidi/Jude2/Quem/Arpu5 (HSM,5,0) Prglt/Bohi2 (HSM,3,+1)

O. Dominant Soils: Cortaro, Faraway, Spudrock, Far, Lemmon, Lampshire, and Romero Series; Aridic Haplustalfs (HSM, 3, +1)

P. Geologic Types: Wrong Mountain Quartz Monzonite, Pinal Schist, Q/T Gravels

Q. Miles of Stream Channels by Order or Class:

1st - 37 MI 2nd - 14 MI 3rd - 5 MI _____

R. Transportation System:

Trails: _____ miles Roads: _____ miles

PART III - WATERSHED CONDITION

A. Fire Intensity (acres): 2200 (low) 2800 (moderate) 2500 (high)

B. Water-Repellent Soil (acres): 4900

C. Soil Erosion Hazard Rating (acres):

2800 (low) 7000 (moderate) 4200 (high)

D. Erosion Potential: 14 tons/acre

E. Sediment Potential: 7,225 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period: _____ years

B. Design Chance of Success: _____ percent

C. Equivalent Design Recurrence Interval: _____ years

D. Design Storm Duration: _____ hours

E. Design Storm Magnitude: _____ inches

F. Design Flow: _____ cubic feet per second per square mile

G. Estimated Reduction in Infiltration: _____ percent

H. Adjusted Design Flow: _____ cubic feet per second per square mile

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

Line Items	Units	Unit Cost $	NFS Lands			Other Lands			All
			Number of Units	FFFS-FW22 $	Other $ various	Number of Units	Fed $ ident.	Non-Fed $ ident.	Total $
A. LAND TREATMENTS									
Aerial seeding	Acres								
Hand seeding	Acres								
Fencing	Mi.	4150	4	6000	10600				
B. CHANNEL TREATMENTS									
C. ROADS AND TRAILS									
D. STRUCTURES									
E. BAER EVALUATION/ADMINISTRATIVE SUPPORT									
F. TOTALS				6000	10600				

PART VII - APPROVALS

1. _____ 5-11-95
Acting Forest Supervisor — Date

2. _____ _____
Deputy Regional Forester — Date

PART V - SUMMARY OF ANALYSIS

A. Describe Watershed Emergency:
   1. High fire intensity of northeast corner of the fire
   2. Nearly all vegetation removed on a continuous block of 700 acres of National Forest Land
   3. Steep slopes with shallow soils devoid of vegetation.

B. Emergency Treatment Objectives:
   1. Prevent soil erosion by seeding area with native grasses and a quick germinating sterile annual grass

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

Land 60 % Channel _____ % Roads _____ % Other _____ %

D. Probability of Treatment Success

	<----Years after treatment-----> 1	3	5
Land	50	70	80
Channel			
Roads			
Other			

E. Cost of No Action (Including Loss): $233,800

F. Cost of Selected Alternative (Including Loss): $230,607

G. Skills Represented on Burned-Area Survey Team:

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

Team Leader: Tom Gavin (NPS - JOTR)
Phone: (619)367-3523 Electronic Address: n/a

H. Treatment Narrative:

Original plan was to seed high intensity burned areas and build temporary fence to protect newly seeded areas. Heavy rains occurred on the site before seed was ordered and seedbed was destroyed. Fencing was still done to protect natural revegetation from livestock impacts on the area with most severe burn.

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

			NFS Lands			Other Lands			All
Line Items	Units	Unit Cost $	Number of Units	FFFS-FW22 $	Other $ various	Number of Units	Fed $ ident.	Non-Fed $ ident.	Total $
A. LAND TREATMENTS									
Aerial seeding	Acres								
Hand seeding	Acres								
Fencing	Mi.	4150	4	6000	10600				16600
B. CHANNEL TREATMENTS									
C. ROADS AND TRAILS									
D. STRUCTURES									
E. BAER EVALUATION/ADMINISTRATIVE SUPPORT									
F. TOTALS				6000	10600				16600

PART VII - APPROVALS

1. Gilbert Vigil — Acting Forest Supervisor — 5/11/95 — Date

2. _____ — Deputy Regional Forester — _____ — Date