

Butterfield

UNITED STATES
DEPARTMENT OF
AGRICULTURE

FOREST
SERVICE

RO

REPLY TO: 2520/6520

DATE: July 19, 1995

SUBJECT: Burned Area Report, Butterfield Fire

TO: Forest Supervisor, Cleveland National Forest

We are in receipt of the Burned-Area Emergency Rehabilitation Report for the Butterfield fire. No EFFS-FW22 funds were requested for Burned Area Emergency Rehabilitation treatments by the Forest since no qualifying emergency watershed conditions were identified as having been caused by the the fire. After careful review of the report this office concurs with that conclusion.

Documentation of non-emergency, as well as emergency conditions, as part of the Burned Area survey is important in fulfilling our mission as land stewards, and the Forest has done an excellent job of documentation for the Butterfield Fire.

/s/Jim Lawrence (for)

G. LYNN SPRAGUE
Regional Forester

Enclosure

cc: H.Chan:R05A
WSA:WO
R.Godden:R05H
R.Griffith

R.Griffith:rg:07/18/95
I concur: R.Griffith 7/18/95
I concur: E.Wan 07/18/95

PRINTING INSTRUCTIONS: Laser Printer: 12 pitch, portrait. Left Margin: 7. Do not print/save headers/footers or user notes.

FS-2500-8

(8/93)

USDA-FOREST SERVICE

Date of Report: 7/10/95

BURNED-AREA REPORT
(Reference FSH 2509.13)

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: Butterfield B. Fire Number: stat 10, Incident 686

C. State: California D. County: San Diego

E. Region: 5 F. Forest: Cleveland

G. District: Descanso

H. Date Fire Started: 6-19-95 I. Date Fire Controlled: 6-29-95

J. Suppression Cost: \$ 190,230

K. Fire Suppression Damages Repaired with EFFF-PF12 Funds:

- 1. Fireline waterbarred (miles) 4.0 (dozer) 0 (handline)
- 2. Fireline seeded (miles) 0
- 3. Other (identify) approx. 6 acres of safety zones, retopsoiled and rebrushed, trail redefinition and repair of trail drainage systems.

L. Watershed Number: 1810020017

M. NFS Acres Burned: 800 Total Acres Burned: 7100

Ownership type:

() State (1550) BLM (4750) SRA PVT ()

N. Vegetation Types: mixed chaparral, canyon live oak woodland

O. Dominant Soils: acid igneous rockland

P. Geologic Types:

Metasedimentary, metavolcanics, and schist

Q. Miles of Stream Channels by Order or Class:

Class I Class II Class III

R. Transportation System:

Trails: 5 miles Roads: 0 miles

PART III - WATERSHED CONDITION

- A. Fire Intensity (acres): 320 (low) 400 (moderate) 80 (high)
- B. Water-Repellent Soil (acres): 45
- C. Soil Erosion Hazard Rating (acres):
380 (low) 320 (moderate) 100 (high)
- D. Erosion Potential: 5 tons/acre/year (USLE)
- E. Sediment Potential: 320 cubic yards / square 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: 100 years
- D. Design Storm Duration: 24 hours
- E. Design Storm Magnitude: 7.00 inches
- F. Design Flow: _____ cubic feet per second per square mile
- G. Estimated Reduction in Infiltration: 5 percent
- H. Adjusted Design Flow: _____ cubic feet per second per square mile

PART V - SUMMARY OF ANALYSIS

- A. Describe Watershed Emergency:

The fire burned approximately 7100 acres; 800 acres were on Forest System lands. The 800 acres on National Forest were in the very upper most part of the watershed. The perimeter of the upper riparian areas of the fire on the Forest burned at a low intensity. The downstream beneficial uses of the area are: TES&P species, wildlife habitat, recreation, and BLM Wilderness. There should be an adequate seed source and many species will resprout from root systems. Soils are rocky and steeply sloped. Erosion and sedimentation will increase, somewhat, but it is naturall high.

- B. Emergency Treatment Objectives:

Mitigate and/or correct suppression damage. Allow the watershed to recover on its own. Based on initial specialists surveys, no emergency is pending.

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

Land N/A % Channel N/A % Roads N/A % Other _____ %

- D. Probability of Treatment Success

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

E. Cost of No-Action (Including Loss): \$ \$10,000 (est)

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

G. Skills Represented on Burned-Area Survey Team:

<input type="checkbox"/> Hydrology	<input checked="" type="checkbox"/> Soils	<input type="checkbox"/> Geology	<input type="checkbox"/> Range
<input checked="" 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"/> <u>Botany</u>	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____

Team Leader: Deveree Volgarino

Phone: 619-673-6180 Electronic Address: R05F02A

H. Treatment Narrative: Discuss the important parts of the specialist's reports.

NO TREATMENTS ARE PROPOSED.

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	EFFS- FW22 \$	Other \$ ident.	Number of Units	Fed \$ ident.	Non-Fed \$ ident.	Total \$
A. LAND TREATMENTS									
B. CHANNEL TREATMENTS									
C. ROADS AND TRAILS									
D. STRUCTURES									
E. BAER EVALUATION/ ADMINISTRATIVE SUPPORT									
Rehab Team	rpt.	\$		\$					
F. TOTALS		\$		\$					

PART VII - APPROVALS

1. _____
Forest Supervisor _____
Date

2. /s/Jim Lawrence for 7/19/95
Regional Forester Date