

Ferndale

USDA-FOREST SERVICE

Date of Report: October 22, 1985

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

PART I - TYPE OF REQUEST

1. Type of Report

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

2. Type of Action

- ☐ 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): Ferndale
2. Forest Supervisor's Fire No. (from Form FS-5100-29): LPF-999
3. State: California
4. County: Ventura
5. Region: 5
6. Forest: Los Padres
7. Ranger District: Ojai
8. Date Fire Started: 10-15-85
9. Date Fire Controlled: 10-21-85
10. Estimated Suppression Costs: \$3,500,000
11. Fire Suppression Damages Repaired with FFF 102 Funds:

 3 miles (firelines waterbarred)
 5 acres (firelines seeded)
 0 Other (identify)

12. Fire Intensity: 5 % (low) 0 % (medium) 95 % (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

1. Watershed No.: 1807010212, 1807010213
2. NFS Acres Burned: 11,300
3. Water Repellant Soil: 95 % of NFS acres burned

4. Vegetation Types: 85%-Chaparral, 5%-Coastal Sage, 5%-Timber,
5%-Oak/Riparian
5. Geologic Types: Sandstone and shales of Cozy Del, Matillija and Juncal Form
6. Soil Erosion Hazard Rating:

 ___0___ % (low) ___10___ % (medium) ___90___ % (high)
7. Erosion Potential: ___95,000___ cu. yds/sq. miles
8. Miles of Stream Channels by Regional Order or Classes: 10miII, 5miIII, 38miIV
9. Miles of Forest Service Trails: 1 mile
10. Miles of Forest Service Roads by Maintenance Levels:

 ___0___ miles (Level I) ___3___ miles (Level II)
 ___0___ miles (Levels III, IV, V)

PART IV - CALCULATED RISK AND CLIMATIC EVALUATION

1. Estimated Vegetative Recovery Period: 5 years.
2. Chance of Success Desired by Management: 80 percent.
3. Equivalent Design Recurrence Period: 25 years.
4. Related Design Storm Duration: 6 hours.
5. Related Design Storm Magnitude: 5 inches.
6. Related Design Flow: 200 cfs.
7. Estimated Reduction in Infiltration: 80 percent.
8. Adjusted Related Design Flow: 400 cfs.

PART V - SUMMARY OF SURVEY AND ANALYSIS

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

<input checked="" type="checkbox"/> Hydrology	<input checked="" type="checkbox"/> Soils	<input checked="" type="checkbox"/> Geology	<input checked="" type="checkbox"/> Range
<input checked="" type="checkbox"/> Timber	<input checked="" type="checkbox"/> Wildlife	<input checked="" type="checkbox"/> Fire Mgmt.	<input checked="" type="checkbox"/> Engineering
<input checked="" type="checkbox"/> Contracting	<input checked="" type="checkbox"/> Local Mgmt.	<input type="checkbox"/> Research	<input checked="" type="checkbox"/> Other-Economist
2. Describe Emergency: Damage to roads, bridges, homes, oil transmission lines, orchards and community of Santa Paula.
3. Emergency Rehabilitation Objective: Reduce peak flows and sediment delivery in order to protect downstream values.
4. Probability of Completing Treatment Prior to First Major Damage Producing Storm:

Land	100 %	Channel	90 %	Roads	0 %	Other	0 %
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5. Net Environmental Quality Benefit Index:

<input checked="" type="checkbox"/> Significant	<input type="checkbox"/> Not Significant
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6. Net Social Well Being Benefit Index:

<input checked="" type="checkbox"/> Significant	<input type="checkbox"/> Not Significant
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7. Benefit/Cost Ratio: 2.1:1

8. Net Benefits: \$105,000

9. Cost Effectiveness Index: ☒ I. ☐ II. ☐ III. ☐ IV.

a.									
b.									
c.									
D. MAJOR STRUCTURES									
a. Preplanned -									
from Forest									
Plans									
E. TOTAL						\$		\$	\$
\$65.3M									

PART VII - APPROVALS

/S/ _____ 10/22/85
Forest Supervisor (Signature) Date

/S/ _____
Regional Forester (Signature) Date