USDA-FOREST SERVICE FS-2500-8 (7/00)

Date of Report: July 18, 2008

**BURNED-AREA REPORT**
(Reference FSH 2509.13)

## PART I - TYPE OF REQUEST

A. Type of Report

[ ] 1. Funding request for estimated WFSU-SULT funds
[ ] 2. Accomplishment Report
[x] 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 or design analysis
[ ] Status of accomplishments to date

[ ] 3. Final Report (Following completion of work)

## PART II - BURNED-AREA DESCRIPTION

A. Fire Name: Ridge

B. Fire Number: CA-BDF-7230

C. State: CA

D. County: San Bernardino

E. Region: 05

F. Forest: San Bernardino

G. District: Front Country

H. Date Fire Started: July 3, 2008

I. Date Fire Contained: July 6, 2008

J. Suppression Cost:

K. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles):
2. Fireline seeded (miles):
3. Other (identify):

L. Watershed Number: 1807020305 (Middle Santa Ana River)

M. Total Acres Burned: 263
NFS Acres(**190**) Other Federal ( ) State ( ) Private (73)

N. Vegetation Types: Shrub, hardwood, mixed; Tall chaparral, medium conifer, pine/grass, light brush

O. Dominant Soils: DnG (Trigo family - Lithic Zerothents, warm complex, 50 to 75 percent slopes), DnF (Trigo family - Lithic Zerothents, warm complex, 30 to 50 percent slopes), GrEF (Green Bluff-Brader families association, 15 to 50 percent slopes)

P. Geologic Types: QPc (Plio-pleistocene non-marine/pleiocene marine) Cenozoic sedimentary rocks

Q. Miles of Stream Channels by Order or Class:

R. Transportation System

Trails: _ miles Roads: _ miles

## PART III - WATERSHED CONDITION

A. Burn Severity (acres): 0 (low) 263 (moderate) 0 (high)

B. Water-Repellent Soil (acres):

C. Soil Erosion Hazard Rating (acres):
___ (low) ___ (moderate) ___ (high)

D. Erosion Potential: ____ tons/acre

E. Sediment Potential: ____ cubic yards / square mile

## PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 3-5

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 / second/ square mile): ____

G. Estimated Reduction in Infiltration, (percent): ____

H. Adjusted Design Flow, (cfs per square mile): ____

## PART V - SUMMARY OF ANALYSIS

A. Describe Watershed Emergency:

Residences near fire origin
Road 1S09 (generally maintained by Southern California Edison)
SCE 'lake' which is part of the flume and power generation system

B. Emergency Treatment Objectives:

The residence near the fire origin is located on a knob and has a drainage channel behind the residence which will channel excess sediment away from the property. In addition, the majority of the fire area drains to an unnamed tributary to Spoor Canyon located sufficiently far from the residence to prevent excess sediment from reaching the residence.

Road 1S09 was already seeing an increase in rockfall, but there was little evidence of dry ravel. There were few overside drains. However, the stretches of road that will collect increased water were generally short and the road has sufficient rolling dips (after fire suppression rehabilitation efforts worked on it) to transport runoff. Information obtained indicates that SCE maintains the road as a part of a special use permit. A letter will be drafted and sent to SCE to increase their awareness of potential problems over the next few years. No treatment was chosen because only short stretches of road are within the fire boundary, the areas draining to the road are small especially on the ridge, and the current structures and design seemed to be handling the situation.

The SCE 'lake' is on private land along the ridgetop. There is a small watershed (1/2 acre) above it that burned moderately (with patches of high burn severity). The channel leading to the lake is about 180 feet long with 6 inches of stored sediment throughout and a slope of about 15%. To either side are 30 to 40 foot long slopes with 50% slopes. The slopes have 2 to 4 inches of loose sediment available for transport. A letter will be drafted and sent to SCE to increase their awareness of potential problems over the next few years. No treatment was chosen because the amount of sediment is not significant, given the size of the lake. Also, the lake and watershed are on private land.

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

Land __ % Channel __ % Roads __ % Other __ %

D. Probability of Treatment Success

| | Years after Treatment | | |
|---|---|---|---|
| | 1 | 3 | 5 |
| Land | | | |
| | | | |
| | | | |
| Channel | | | |
| | | | |
| | | | |
| Roads | | | |
| | | | |
| Other | | | |
| | | | |

E. Cost of No-Action (Including Loss):

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

| | | | | |
|---|---|---|---|---|
| [x] Hydrology | [ ] Soils | [ ] Geology | [ ] Range | [ ] |
| [ ] Forestry | [ ] Wildlife | [**x**] Fire Mgmt. | [ ] Engineering | [ ] |
| [ ] Contracting | [ ] Ecology | [ ] Botany | [ ] Archaeology | [ ] |

[ ] Fisheries [ ] Research [ ] Landscape Arch [ ] GIS

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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.)

Land Treatments:

Channel Treatments:

Roads and Trail Treatments:

Structures:

I. **Monitoring Narrative:**

(Describe the monitoring needs, what treatments will be monitored, how they will be monitored, and when monitoring will occur. A detailed monitoring plan must be submitted as a separate document to the Regional BAER coordinator.)

**Part VI – Emergency Rehabilitation Treatments and Source of Funds by Land Ownership**

| Line Items | Units | Unit Cost | # of Units | WFSU SULT $ | Other $ | # of units | Fed $ | # of Units | Non Fed $ | Total $ |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| **A. Land Treatments** | | | | | | | | | | |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Insert new items above this line!* | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Subtotal Land Treatments* | | | | $0 | $0 | | $0 | | $0 | $0 |
| **B. Channel Treatments** | | | | | | | | | | |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Insert new items above this line!* | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Subtotal Channel Treat.* | | | | $0 | $0 | | $0 | | $0 | $0 |
| **C. Road and Trails** | | | | | | | | | | |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Insert new items above this line!* | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Subtotal Road & Trails* | | | | $0 | $0 | | $0 | | $0 | $0 |
| **D. Structures** | | | | | | | | | | |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Insert new items above this line!* | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Subtotal Structures* | | | | $0 | $0 | | $0 | | $0 | $0 |
| **E. BAER Evaluation** | | | | | | | | | | |
| **Personnel** | person-day | $400 | 2 | $800 | $0 | | $0 | | $0 | $800 |
| **Vehicles** | miles | $0.50 | 120 | $60 | $0 | | $0 | | $0 | $60 |
| *Insert new items above this line!* | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Subtotal Evaluation* | | | | $860 | $0 | | $0 | | $0 | $860 |
| **F. Monitoring** | | | | | | | | | | |
| **??????** | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Insert new items above this line!* | | | | $0 | $0 | | $0 | | $0 | $0 |
| *Subtotal Monitoring* | | | | $0 | $0 | | $0 | | $0 | $0 |
| | | | | | | | | | | |
| **G. Totals** | | | | **$860** | **$0** | | **$0** | | **$0** | **$860** |
| | | | | | | | | | | |

## PART VII - APPROVALS

1. /s/ Jeanne Wade Evans — 8/14/08
   Forest Supervisor (signature) — Date

2. _____ _____
   Regional Forester (signature) — Date