

DOCUMENT HEADER

Document name: Tahoe - Maybert - Initial Document type: WRD

Drawer: rehab

Folder: 97.reports

Received from: ARF-Ecosystem Cons

Last modified on May 29, 97 9:46 AM

by R.GRIFFITH

Author: R.GRIFFITH

Typist: C.WINKLER

Filed on: May 29, 97 10:23 AM

Message attached

Subject: 2520/6520 - Burned Area Report (FS-2500-8) - Maybert Fire

Summary:

Comments:

To Mailroom:R05F17A

CC PDB

CC FAM

CC R.Griffith

CC WSA:WO

From: ARF-Ecosystem Cons

Postmark: May 29, 97 9:49 AM

Status: Previously read

Subject: 2520/6520 Burned Area Report (FS-2500-8) - Maybert Fire

Comments:

There will be no hard copy to follow.

United States	Forest	Pacific	Regional Office, R5
Department of	Service	Southwest	630 Sansome Street
Agriculture		Region	San Francisco, CA 94111-2214
			415-705-1098 Text (TTY)
			415-705-2876 Voice

File Code: 2520/6520
Route To:

Date: May 28, 1997

Subject: Burned Area Report (FS-2500-8) - Maybert Fire

To: Forest Supervisor, Tahoe National Forest

Enclosed is the approved Burned-Area Emergency Rehabilitation Report for the Maybert fire. The Burned Area Emergency Rehabilitation Team's review of the area indicates that the fire burned at primarily low and moderate burn intensity, that the burned area has a high incidence of rock outcrop, and that there is little likelihood of fire generated sediment reaching the Yuba River. As such, you have determined that no watershed emergency warranting authorization of expenditure of WFSU-FW22 funds exists as the result of the Maybert fire. This office concurs with your finding.

/s/Barbara J. Rate for
G. LYNN SPRAGUE
Regional Forester

Enclosure

cc: PDB
ARF FAM
WSA:WO
R.Griffith
USDA NRCS State Conservationist, Davis, California
California Department of Forestry and Fire Protection,
Headquarters, Sacramento, California.
State of California, Department of Fish and Game, Sacramento, California

R.Griffith:rg:05/27/97

I concur: R.Griffith 05/27/97

I concur: C.Winkler 05/28/97

I concur: K.Clement:05/27/97!

I concur: K.Lee for J.DeLaTorre 05/27/97!

I concur: E.Marr 05/28/97

ENCLOSURE

USDA-FOREST SERVICE

Date of Report: 5/25/97

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: Maybert B. Fire Number: TNF 5023
- C. State: California D. County: Nevada
- E. Region: 05 F. Forest: Tahoe (17)
- G. District: Nevada City (55)
- H. Date Fire Started: 05/21/97 I. Date Fire Controlled: 05/23/97-1800
- J. Suppression Cost: \$ 450,000
- K. Fire Suppression Damages Repaired with EFFF-PF12 Funds:
1. Fireline waterbarred (miles) 1.7 miles
2. Fireline seeded (miles) 0
3. Other (identify)
- L. Watershed Number: 1802012503 (Confluence of S Yuba River and Canyon Creek)
- M. NFS Acres Burned: 340 Total Acres Burned: 470
(includes 55 acres unpatented mining land)

Ownership type:

() State () BLM (130) PVT () _____

- N. Vegetation Types: West facing slopes: Mixed Conifer/Ponderosa Pine
Remaining Area: Live Oak Associations
- O. Dominant Soils: Deadwood, Rock Outcrop, Hurlbut, Mariposa. Jocal, Jocal
Var (DEH, DEG, JZG, HUG, HUE)
- P. Geologic Types: Metasediments
- Q. Miles of Stream Channels by Order or Class:
Order 1: 1.7 miles (within burn area)
- R. Transportation System:
 Trails: _____ (miles) Roads: 1.7 (miles) (on fire perimeter)

PART III - WATERSHED CONDITION

- A. Fire Intensity (Acres)
 National Forest: 177 (low) 138 (moderate) 35 (high)
 Private: 60 (low) 35 (moderate) 35 (high)
- B. Water Repellant Soil (Acres): _____
- C. Soil Erosion Hazard Rating (Acres):
 _____ (low) 52 (moderate) 418 (high)
- D. Erosion Potential: 2 tons/acre
- E. Sediment Potential: _____ cu. yds/sq. mile

PART IV - HYDROLOGIC DESIGN FACTORS

- A. Estimated Vegetative Recovery Period: 1 years.
- B. Design Chance of Success: 90 percent.
- C. Equivalent Design Recurrence Interval: 2 years.
- D. Design Storm Duration: 6 hours.
- E. Design Storm Magnitude: 2.2 inches.
- F. Design Flow: _____ cfs.
- G. Estimated Reduction in Infiltration: 0 percent.
- H. Adjusted Design Flow: _____ cfs.

PART V - SUMMARY OF ANALYSIS

- A. Describe Emergency:

The fire began on private land and burned onto the National Forest. The fire was primarily located on the canyon slopes above the South Yuba River which is an eligible, but not yet designated, National Wild and Scenic River. Approximately 60 acres of the burn area is located above Canyon Creek which is the primary drinking water source for the Town of Washington, California.

The majority of the area is extremely steep (>50% slopes) and about one third of the area is covered by rock outcrop. The western quarter of the fire area has moderately deep to deep, productive soils that support stands of mixed conifer. The remaining portion of the landscape is covered by shallow soils that primarily support shrub fields. All of the high intensity burned areas were located on the forested slopes and ridge above the South Yuba River. Hydrophobicity was found only in very small areas on the ridge top.

County Road 738 which parallels the South Yuba River was used as the fire line on the south. The slopes above the road are predominantly rock outcrop or covered with shallow, low productive soils. Fire intensities on the slopes above the road were low. The highest burn intensities were in the timber on the ridge approximately 1/2 mile above the river. There is sufficient down woody material and litter either in the stand or directly below it to trap any sediment movement. The team felt there was little risk of unacceptable soil loss or sediment delivery across the road to the river so no treatments were prescribed.

A Forest Service System Road which is at least 700 feet away from Canyon Creek was used as the western fire line. Fire intensities were moderate in the timber above this road. There is a 1000 foot wide unburned strip between the road and the creek which should provide a sufficient buffer to trap any sediment. Approximately one inch of rain fell during the last 24 hours of the fire and reconnaissance found little soil movement. There is sufficient litter and debris on site to capture sediment and the team felt there would not be an unacceptable loss of soil. The team felt that there was a sufficient unburned buffer between the road and the stream that there was little chance of sediment reaching the creek. Based on these assessments, the team determined that there was no need for slope treatments. The team felt that rehabilitation of the suppression lines would be sufficient.

B. Emergency Treatment Objectives:

None Prescribed

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:

<input checked="" type="checkbox"/> Hydrology	<input checked="" type="checkbox"/> Soils	<input type="checkbox"/> Geology	<input type="checkbox"/> Range
<input checked="" type="checkbox"/> Timber	<input 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 type="checkbox"/> Archaeology
<input checked="" type="checkbox"/> Botany_____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____

Team Leader: Julie Tupper, Forest HydrologistPhone: 916 478-6241 DG Address: J.Tupper:R05F17a

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.

PART VII - APPROVALS

- | | | |
|----|-------------------------------|----------------|
| 1. | <u>/s/ John H. Skinner</u> | <u>5/25/97</u> |
| | Forest Supervisor (Signature) | Date |
| 2. | <u>/s/Barbara J. Rate for</u> | <u>5/28/97</u> |
| | Regional Forester (Signature) | Date |