

Date of Report: 9/21/05

**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
- ☒ 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: Clover

B. Fire Number: PNB6NE

C. State: CA

D. County: Lake

E. Region: 5

F. Forest: Mendocino

G. District: Upper Lake

H. Date Fire Started: 9/16/2005

I. Date Fire Contained: 9/18/2005

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: 1802011601

M. Total Acres Burned: 632  
NFS Acres 211 (33%) Other Federal (0) State (0) Private 315 (50%)  
Outside N.F. 104 (17%)

N. Vegetation Types: Chamise, Hardwood, Annual Grass

O. Dominant Soils: Maymen, Yorkville

P. Geologic Types: Sandstone, Franciscan

Q. Miles of Stream Channels by Order or Class:

R. Transportation System

Trails:    miles      Roads: 2.9 miles

### **PART III - WATERSHED CONDITION**

A. Burn Severity (acres): 23 (4%) (low) 172 (27%) (moderate)  
437 (69%)    (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): 3-7

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: The fire was in Clover Creek, part of the Upper Lake watershed, which flows into Clear Lake. The fire initially started on private land outside of the Forest boundary about 1400 on 9/16. Winds were up to 50 mph. About 1700 a spot fire developed in grass on private land within the Forest boundary. The fire rapidly spread uphill. Air retardant drops, dozers, hotshot crews and nighttime humidity recovery allowed the fire to be mostly contained on 9/17 and fully contained on 9/18.

No commercial timber exists in the fire area. No archeological or heritage sites were in the burned area. Clear Lake hitch, a special interest species, occupies the lower ends of Clover Creek but not near the fire area. There are no other aquatic or wildlife concerns. Sediment production from the brushfields will be high but this vegetation type occupies less than 1/3 of the area. Annual grass will germinate in the glades and under the oaks after the first rains in November. Yellow Star Thistle exists at the lower and upper ends of the fire.

Clear Lake has a nutrient TMDL that relates to sediment. With the expected "green up" of annual grass this fall, soil movement on most of the fire area will be small. However, brushfields will erode and this areas' sediment delivery to Clover Creek will be high due to a high stream density. However, the brushfields are scattered amongst private and NFS land and are not logically treatable.

Road 15N18 traverses the fire area through private land. Most of the road stream crossings are low water and those with culverts are of adequate size. This road, as well as other roads in the fire area, were waterbarred during fire suppression rehabilitation.

B. Emergency Treatment Objectives: No treatment was selected because of very minimal impacts to biological resources, complexity in aerial mulching brushfields, and adequate existing road drainage.

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 checked="" type="checkbox"/> Geology	<input type="checkbox"/> Range
<input type="checkbox"/> Forestry	<input checked="" type="checkbox"/> Wildlife	<input type="checkbox"/> Fire Mgmt.	<input type="checkbox"/> Engineering
<input type="checkbox"/> Contracting	<input type="checkbox"/> Ecology	<input checked="" type="checkbox"/> Botany	<input checked="" type="checkbox"/> Archaeology
<input checked="" type="checkbox"/> Fisheries	<input type="checkbox"/> Research	<input type="checkbox"/> Landscape Arch	<input type="checkbox"/> GIS

Team Leader: Robert Faust  
*/s/ Robert Faust*

Email:           

Phone:           

FAX:

**H. Treatment Narrative:**

No treatments recommended

Land Treatments:

Channel Treatments:

Roads and Trail Treatments:

Structures:

Team Leader:\_\_\_ Robert Faust

Email:\_\_\_

Phone:\_\_\_

FAX:\_\_\_

**H. Treatment Narrative:**

No treatments are recommended.

Land Treatments:

Channel Treatments:

Roads and Trail Treatments:

Structures:

**I. Monitoring Narrative:** No monitoring is necessary.

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

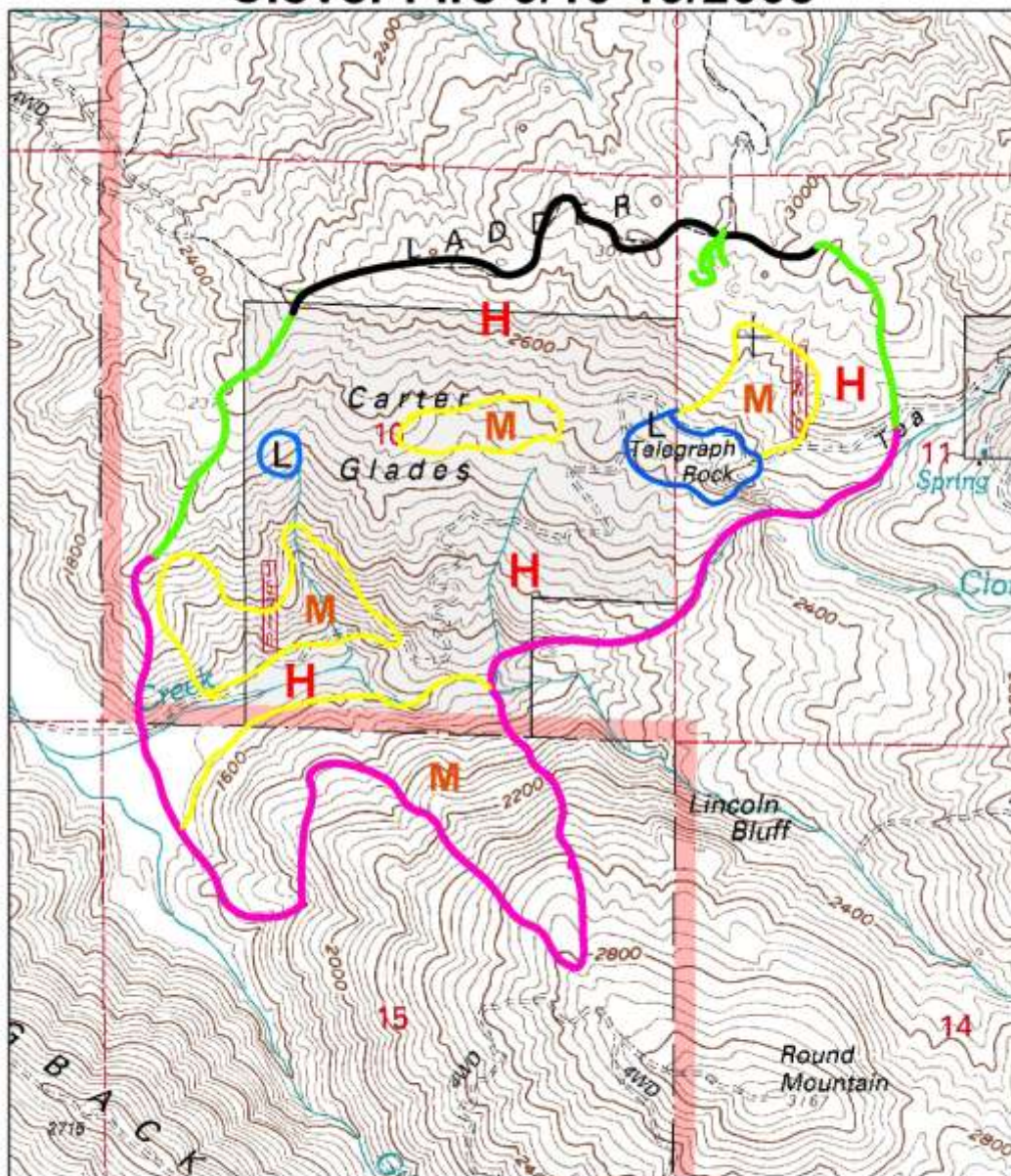
<b>A. Land Treatments</b>											
				\$0	\$0		\$0		\$0	\$0	
				\$0	\$0		\$0		\$0	\$0	
				\$0	\$0		\$0		\$0	\$0	
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0	
<i>Subtotal Land Treatments</i>				\$0	\$0		\$0		\$0	\$0	
<b>B. Channel Treatments</b>											
				\$0	\$0		\$0		\$0	\$0	
				\$0	\$0		\$0		\$0	\$0	
				\$0	\$0		\$0		\$0	\$0	
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0	
<i>Subtotal Channel Treat.</i>				\$0	\$0		\$0		\$0	\$0	
<b>C. Road and Trails</b>											
				\$0	\$0		\$0		\$0	\$0	
				\$0	\$0		\$0		\$0	\$0	
				\$0	\$0		\$0		\$0	\$0	
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0	
<i>Subtotal Road &amp; Trails</i>				\$0	\$0		\$0		\$0	\$0	
<b>D. Structures</b>											
				\$0	\$0		\$0		\$0	\$0	
				\$0	\$0		\$0		\$0	\$0	
				\$0	\$0		\$0		\$0	\$0	
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0	
<i>Subtotal Structures</i>				\$0	\$0		\$0		\$0	\$0	
<b>E. BAER Evaluation</b>											
				\$600	\$0		\$0		\$0	\$600	
				\$0	\$0		\$0		\$0	\$0	
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0	
<i>Subtotal Evaluation</i>				\$600	\$0		\$0		\$0	\$600	
<b>F. Monitoring</b>											
<b>None recommended</b>				\$0	\$0		\$0		\$0	\$0	
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0	
<i>Subtotal Monitoring</i>				\$0	\$0		\$0		\$0	\$0	
<b>G. Totals</b>				\$600	\$0		\$0		\$0	\$600	

**PART VII - APPROVALS**

1. Arthur Quintana for Forest Supervisor 9-26-05  
 Forest Supervisor (signature) Date

2. \_\_\_\_\_  
 Regional Forester (signature) Date

# Clover Fire 9/16-19/2005



## Legend

- |  |                           |
|--|---------------------------|
| <span style="color: green;">—</span> Dozer Line    | <b>L</b> Low Intensity    |
| <span style="color: magenta;">—</span> Hand Line   | <b>M</b> Medium Intensity |
| <span style="color: black;">—</span> Existing Road | <b>H</b> High Intensity   |

