

File Code: 2520-3

Date: August 26, 2005

Route To: Brent Roath, BAER Coordinator

Subject: BAER Request, KOA Fire, Sequoia National Forest

To: Regional Forester

The KOA Fire burned approximately 68 acres within the Greenhorn Ranger District of the Sequoia National Forest. The fire is located in Kern County adjacent to Lake Isabella and near the community of Weldon. The Burned Area Report for the KOA Fire is attached.

The values at risk that were assessed by the BAER team in relation to potetnial watershed emergency included:

- Risk to life and property from unrestricted livestock on State Highway 178
- Risk to nesting willow flycatchers and proposed critical habitat due to unrestricted access by livestock and recreational visitors

Due to the values at risk in and adjacent to the fire area, the Forest is requested and recieved \$6,300 for replacement of critical fences to provide for public safetyt and protect endangered species and their habitat. This attached report documents the accomplishment of this work. If you have questions in the interim, please contact Terry Kaplan-Henry at 559 784-1500 ext. 1181.

ARTHUR L. GAFFREY
Forest Supervisor

Cc: Greenhorn DR



August 26, 2005

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: KOA
B. Fire Number: CA-SQF-1811
C. State: California
D. County: KERN County
E. Region: 05
F. Forest: Sequoia
G. District: Greenhorn Meadow
H. Date Fire Started: 07-05-2004
I. Date Fire Contained: 07-07-2004
J. Suppression Cost: \$135,000
K. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles): 0
2. Fireline seeded (miles): 0
3. Other (identify):
L. Watershed Number: 1803000206
M. Total Acres Burned: 68
NFS Acres(68) Other Federal (0) State (0) Private (0)
N. Vegetation Types: annual grass, riparian deciduous, desert scrub
O. Dominant Soils: Granitic (DG)
P. Geologic Types: Granite
Q. Miles of Stream Channels by Order or Class: Lakeshore 0.5 miles
R. Transportation System
Trails: 0 miles Roads: 2.5 miles

PART III - WATERSHED CONDITION

- A. Burn Severity (acres): 68 (low) 0 (moderate) 0 (high)
B. Water-Repellent Soil (acres): 0



- C. Soil Erosion Hazard Rating (acres):
 ___ (low) ___ (moderate) 68 (high)
- D. Erosion Potential: 180 tons/acre
- E. Sediment Potential: 70cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

- A. Estimated Vegetative Recovery Period, (years): 5
- B. Design Chance of Success, (percent): 100
- C. Equivalent Design Recurrence Interval, (years): -2 years
- D. Design Storm Duration, (hours): 2hr
- E. Design Storm Magnitude, (inches): 1.5 inch
- F. Design Flow, (cubic feet / second/ square mile): 15 cfs
- G. Estimated Reduction in Infiltration, (percent): 0%
- H. Adjusted Design Flow, (cfs per square mile): 55 cfs

PART V - SUMMARY OF ANALYSIS

- A. Describe Watershed Emergency:
 The Watershed Emergency is the loss of fence lines that keep livestock off of Highway 178, a major travel corridor for Lake Isabella and Kernville. And to keep livestock and recreational vehicles outside of Southwest willow flycatcher critical habitat during the nesting period. The Southwest willow flycatcher is a federally listed species.

- B. Emergency Treatment Objectives:
 Emergency objective is to keep livestock off of Highway 178.

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

Land 100 % Channel na % Roads na % Other na %

- D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land	100	100	100
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:

☒ Hydrology ☐ Soils ☐ Geology ☒ Range ☐
☐ Forestry ☒ Wildlife ☐ Fire Mgmt. ☐ Engineering ☐
☐ Contracting ☐ Ecology ☐ Botany ☐ Archaeology ☐
☐ Fisheries ☐ Research ☐ Landscape Arch ☐ GIS

Team Leader: Terry A. Kaplan-Henry

Email: tkaplanhenry@fs.fed.us Phone: 559-784-1500 ex 1181

FAX: 559-781-4744

		NFS Lands					Other Lands			All	
		Unit	# of	WFSU	Other		# of	Fed	# of	Non Fed	Total
Line Items	Units	Cost	Units	SULT \$	\$		units	\$	Units	\$	\$
A. Land Treatments											
Fenceline Materials	mile	5000	0.5	\$2,500				\$0		\$0	\$2,500
Labor	job	2500	1	\$2,500				\$0			
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
Subtotal Land Treatments				\$5,000				\$0		\$0	\$2,500
B. Channel Treatments											
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
Subtotal Channel Treat.				\$0				\$0		\$0	\$0
C. Road and Trails											
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
Subtotal Road & Trails				\$0				\$0		\$0	\$0
D. Structures											
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
Subtotal Structures				\$0				\$0		\$0	\$0
E. BAER Evaluation											
Evaluation Team	day	650	2	\$1,300				\$0		\$0	\$1,300
				\$0				\$0		\$0	\$0
F. Monitoring				\$0				\$0		\$0	\$0
G. Totals				\$6,300				\$0		\$0	\$3,800

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: Rebuild .05 miles of fence to protect the public and critical willow flycatcher habitat.

This report documents the rebuilding of 0.5 miles of fence. This work was complete immediately after the fire and has been effective in protection of critical Willow Flycatcher habitat and has maintained safe conditions along the roadway. The following is a photo of the completed fence line.



Channel Treatments: None at this time

Roads and Trail Treatments: None at this time

Structures: None at this time.

I. Monitoring Narrative:

Treatment will be monitored for implementation and effectiveness.

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

PART VII - APPROVALS

1. _____
Forest Supervisor (signature) _____
Date
2. _____
Regional Forester (signature) _____
Date

Photos of KOA Fire Sequoia National Forest

