

Date of Report: 08/27/2013

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

- ☒ 1. Funding request for estimated emergency stabilization funds
☐ 2. Accomplishment Report
☐ 3. No Treatment Recommendation

B. Type of Action

- ☒ 1. Initial Request (Best estimate of funds needed to complete eligible stabilization 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: Cleghorn

B. Fire Number: CA-BDF-11417

C. State: CA

D. County: San Bernardino

E. Region: 05

F. Forest: San Bernardino National Forest

G. District: Front Country

H. Fire Incident Job Code: P5HV2Z

I. Date Fire Started: 08/17/2013

J. Date Fire Contained: 08/18/2013

K. Suppression Cost: \$ XXXX

L. Fire Suppression Damages Repaired with Suppression Funds

1. Fireline waterbarred (miles): 0 dozerline
2. Fireline seeded (miles): 0
3. Other (identify): 0

M. Watershed Number:

N. Total Acres Burned:

[110] NFS Acres ☐ Other Federal ☐ State ☐ Private

O. Vegetation Types: Mixed Chaparral, Chamise Chaparral

P. Dominant Soils: XXX

Q. Geologic Types: XXX

R. Miles of Stream Channels by Order or Class: XXX

S. Transportation System

Trails: XXX miles Roads: XXX miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 0 (low) 110 (moderate) 0 (high) *estimate*

B. Water-Repellent Soil (acres): XXX

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

D. Erosion Potential: XXX tons/acre

E. Sediment Potential: XXX cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): XXX

B. Design Chance of Success, (percent): XXX

C. Equivalent Design Recurrence Interval, (years): XXX

D. Design Storm Duration, (hours): XXX

E. Design Storm Magnitude, (inches): XXX

F. Design Flow, (cubic feet / second/ square mile): XXX

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

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

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats (narrative):

Threats to Vegetative Recovery and Ecosystem Stability/Soil Productivity-

With the combustion of the shrub overstory, there is little impediment to expanded off highway vehicle use (OHV) throughout most of the burn area. Soil crusts can disintegrate under these disturbances and lose all protective properties and gully initiation and propagation through the disturbed soil surface can also be expected. Unauthorized OHV use can also stunt vegetation recovery in the burn due to direct impacts such as trampling/uprooting and indirect impacts such as weed invasion and soil compaction.

Risk Assessment – Vegetation Recovery and Soil Productivity

Probability of Damage or Loss: Very Likely. There is a high potential for unauthorized off-highway vehicle use to occur within the fire area, as roadways lead into the burn. This OHV use will be highly detrimental to vegetation recovery, encouraging noxious weed invasion and soil erosion if left untreated.

Magnitude of Consequence: Moderate. If OHV use becomes prevalent the burn area, the increase in soil erosion and loss of vegetation recovery could lead to vegetation type conversion, alterations in hydrologic processes and disruptions to overall ecosystem function.

Risk Level: Very High.

B. Emergency Treatment Objectives (narrative):

Noxious Weeds - Reduce the potential for impaired vegetative recovery and introduction/spread of noxious weeds.

Unauthorized Off-Road Vehicles- Limit loss of soil productivity and vegetative recovery due to unmanaged OHV use.

C. Probability of Completing Treatment Prior to Damaging Storm or Event:

Land XXX% Channel XXX% Roads/Trails XXX% Protection/Safety XXX%

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land	XXX	XXX	XXX
Channel	XXX	XXX	XXX

Roads/Trails	XXX	XXX	XXX
Protection/Safety	XXX	XXX	XXX

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

F. Cost of Selected Alternative (Including Loss): XXX

G. Skills Represented on Burned-Area Survey Team:

<input checked="" type="checkbox"/> Hydrology	<input type="checkbox"/> Soils	<input 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 type="checkbox"/> Archaeology
<input type="checkbox"/> Fisheries	<input type="checkbox"/> Research	<input type="checkbox"/> Landscape Arch	<input type="checkbox"/> GIS

Team Leader: Katie VinZant

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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: none

Channel Treatments: none

Roads and Trail Treatments: none

Protection/Safety Treatments:

Barrier for Unauthorized Off Road Vehicle Use

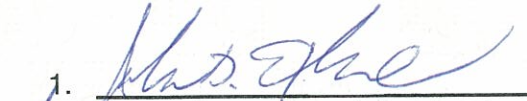
Erosion, spread of invasive species, damage to cultural sites, disturbance to wildlife, destruction of wildlife habitat, impaired water quality, and risks to public safety can result from unauthorized access. Due to the accessibility of the Cleghorn Fire from Forest Service Road 2N47, the current existing OHV use in the area, and the LMP focus to protect native vegetation from type conversion, it has been decided that a gate is needed to block unauthorized access to the burn. Much of the burn area is flat, devoid of vegetation barriers and widely accessible to OHV activity. A gate at a pinch point along 2N47 will block access before the public can reach the burn. Alternative barrier ideas such as fencing and boulders were considered alongside the burn area itself, but deemed less effective and more expensive as this would require over two miles of fence that would then need significant maintenance and patrol.


Gate Installation Cost

Item	Unit	Unit Cost	# of Units	Cost
Angeles Style Gate & Install	Each	\$15,000	1	\$15,000
Contract Administration	Days	\$350	3	\$1,050
Vehicle Mileage	Mile	.55	200	\$110
Total Cost				\$16,160

Part VI – Emergency Stabilization Treatments and Source of Funds							Interim #			
Line Items	Units	Unit Cost	NFS Lands		Other \$	# of units	Other Lands		Total \$	
			# of Units	BAER \$			Fed \$	# of Units		
A. Land Treatments										
				\$0	\$0		\$0	\$0	\$0	
				\$0	\$0		\$0	\$0	\$0	
<i>Insert new items above this line!</i>				\$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	
<i>Insert new items above this line!</i>				\$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	
<i>Insert new items above this line!</i>				\$0	\$0		\$0	\$0	\$0	
Subtotal Road & Trails				\$0	\$0		\$0	\$0	\$0	
D. Protection/Safety										
OHV Barriers	ea			\$16,160	\$0		\$0	\$0	\$16,160	
				\$0	\$0		\$0	\$0	\$0	
<i>Insert new items above this line!</i>				\$0	\$0		\$0	\$0	\$0	
Subtotal Structures				\$16,160	\$0		\$0	\$0	\$16,160	
E. BAER Evaluation										
BAER Assessment	hours	40	4	\$160			\$0	\$0	\$0	
<i>Insert new items above this line!</i>				---	\$0		\$0	\$0	\$0	
Subtotal Evaluation				\$160	\$0		\$0	\$0	\$0	
F. Monitoring										
				\$0	\$0		\$0	\$0	\$0	
<i>Insert new items above this line!</i>				\$0	\$0		\$0	\$0	\$0	
Subtotal Monitoring				\$0	\$0		\$0	\$0	\$0	
G. Totals				\$16,320	\$0		\$0	\$0	\$16,160	
Previously approved										
Total for this request				\$16,320						

PART VII - APPROVALS

1. 
Forest Supervisor (signature)

2. 
Regional Forester (signature)

09/04/13
Date

9/11/13
Date