

Date of Report: 08/04/2010

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: Briggs | B. Fire Number: CA-ANF-3201 |
| C. State: CA | D. County: Los Angeles |
| E. Region: 05 | F. Forest: Angeles National Forest |
| G. District: 51 | H. Fire Incident Job Code: P5FN3C |
| I. Date Fire Started: 07/30/2010 | J. Date Fire Contained: 07/31/2010 |
| K. Suppression Cost: \$ 900,000 (estimated) | |
| L. Fire Suppression Damages Repaired with Suppression Funds <ul style="list-style-type: none">1. Fireline waterbarred (miles): 12. Fireline seeded (miles): 03. Other (identify): 0 | |
| M. Watershed Number: <u>HUC 6: 180701020103 (Lower Soledad Canyon)</u> | |
| N. Total Acres Burned:
<input checked="" type="checkbox"/> 692 NFS Acres <input type="checkbox"/> Other Federal <input type="checkbox"/> State <input type="checkbox"/> Private | |

O. Vegetation Types: Mixed Chaparral, Coast Live Oak/Sycamore Riparian Forest

P. Dominant Soils: Xeropsamments: Pismo family-Rock outcrop complex, 50 to 80 percent slopes

Q. Geologic Types: San Gabriel Mountains geologic units

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

S. Transportation System

Trails: 2 miles

Roads: 5.5 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 60 (low) 602 (moderate) 30 (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):

Ecological Stability-

An emergency exists with respect to vegetative recovery as a result of the threat of post-fire weed introduction and spread. The Briggs Fire burned the downstream portion of the Indian Creek drainage, which had its headwaters burned in the Station Fire of 2009. Weed detection surveys in 2010 of the headwaters of Indian Creek located new populations of saltcedar and other non-native plant species. There is a concern that new saltcedar populations and potentially other high priority weed species will likewise be detected next summer in the Briggs Fire area, which is even closer to disturbances such as main roads and trails.

Infrastructure Protection-

4N37 Indian Canyon Road, 5.5 miles

This road climbs from the Indian Canyon Trailhead at Soledad Canyon Road to Santa Clara Divide. It is open to the public (except for periods of forest area or road closures) and is used for accessing North Fork Station (currently under special use permit to the California Trail Users Coalition). It is also used for recreational purposes. The road crosses and parallels several segments of the Pacific Crest Trail. Initially, the road climbs approximately 130 feet in 0.7 mile, from Soledad Canyon to a first ridge. Next, the road descends approximately 55 feet in 0.6 mile to a riparian area, before climbing again 105 feet to the edge of the Briggs fire at elevation 850 (the total distance to this point from Soledad Canyon is 2.2 miles). The road continues to climb to intersect 3N17 at elevation 1339 feet.

There are nine critical locations on this road where the road is at risk of being washed away, damaged, or covered with debris. The drains are blocked, warped, displaced, burned, or undermined at these locations. These conditions pose a threat to the watershed if not remediated prior to damaging rains. The lengths of these drains vary from 10 to 100 feet. These drains need to be replaced to manage increased runoff of water and material associated with the Briggs Fire for a total of approximately 350 feet.

Additionally, approximately 2 miles of the PCT trail is expected to be covered by debris or washed away.

B. Emergency Treatment Objectives (narrative):

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

Road and Trail Treatments –Improve road drainage to protect the road system. Reduce erosion from the road surface and sediment delivery to stream channels. Reduce the threat to life and safety for road users.

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

Land 90% **Channel** n/a **Roads/Trails** 90% **Protection/Safety** n/a

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land	90%	100%	100%
Channel	n/a	n/a	n/a
Roads/Trails	90%	100%	100%
Protection/Safety	n/a	n/a	n/a

E. Cost of No-Action (Including Loss): \$1.1M

F. Cost of Selected Alternative (Including Loss): \$54,000

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 type="checkbox"/> Wildlife	<input type="checkbox"/> Fire Mgmt.	<input checked="" 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

Email: kvinzant@fs.fed.us

Phone: 626-574-5268

FAX: 626-574-5207

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:

Noxious Weed Detection Surveys

Surveys will begin in 2011 during the flowering periods of most high priority weed species. Completion of surveys in riparian areas would be the first priority. The second survey priorities would be along roads, handlines, and staging areas. Surveys of the general habitats in the burned area would be the lowest priority.

Weed detection surveys to determine whether ground disturbing activities related to the Briggs Incident and the fire itself have resulted in the expansion of noxious weeds is requested for the first year. Estimated costs are based on the assumption that two visits would be necessary because of the unpredictability of flowering times. If timing is such that the target species is detectable in one visit, the actual costs would be lower than displayed below.

Estimated Cost:

2 GS-9 botanists (\$300/day x 4 days)	\$ 2,400
Vehicle mileage (400 miles @0.55/mile)	\$ 220
TOTAL	\$ 2,620

Channel Treatments:

Roads and Trail Treatments:

Road and Trail Treatments

A determination was made that BAER treatments are required on Forest Service Road 4N37 (Indian Canyon Truck Trail). BAER treatments recommended include the installation of nine overside drains at critical locations that previously did not have a drain or where the existing drain is not adequate to handle the increased runoff.

The BAER assessment team also prescribed treatments for the Pacific Crest Trail to protect the trail infrastructure from failure and increased sediment flow. Prior to implementation of treatments a specialist will survey the trail. The result of the survey will dictate subsequent storm proofing treatment recommendations. These treatments are the minimum necessary trail work activity which will protect the trail investment in its current state and protect it from the expected seasonal weather.

24" Overside Drains	9 drains@ \$3,200.00/drain	\$28,800
PCT repairs	2 miles @ \$5,000/mile	\$10,000
	Contractor Mobilization	\$2,200
	Contract Prep. & Admin. @ 25%	\$10,250
TOTAL COST		<u>\$51,250</u>

Protection/Safety Treatments: none.

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 Stabilization Treatments and Source of Funds						Interim #				
Line Items	Units	Cost	Units	BAER \$	\$	units	\$	Units	\$	\$
A. Land Treatments										
Noxious Weed Detection Survey	ea	2620	1	\$2,620	\$0		\$0		\$0	\$2,620
				\$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>				\$2,620	\$0		\$0		\$0	\$2,620
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
<i>Subtotal Channel Treat.</i>				\$0	\$0		\$0		\$0	\$0
C. Road and Trails										
Overside Drain Installa	lump su	41,250	1	\$41,250	\$0		\$0		\$0	\$41,250
Trail Evaluation/implem	lump su	10,000	1	\$10,000	\$0		\$0		\$0	\$10,000
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Road & Trails</i>				\$51,250	\$0		\$0		\$0	\$51,250
D. Protection/Safety										
				\$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
E. BAER Evaluation										
				---			\$0		\$0	\$0
<i>Insert new items above this line!</i>				---	\$0		\$0		\$0	\$0
<i>Subtotal Evaluation</i>				---	\$0		\$0		\$0	\$0
F. Monitoring										
				\$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
G. Totals				\$53,870	\$0		\$0		\$0	\$53,870
Previously approved										
Total for this request				\$53,870						

PART VII - APPROVALS

1. /s/ Martin Dumpis (for Jody Noiron)
Forest Supervisor (signature)

8/6/2010
Date

2. /s/ Gilbert Zepeda (for)
Regional Forester (signature)

8/10/2010
Date