

Date of Report: 07/19/2009

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: Osito

B. Fire Number: CA-ANF-2787

C. State: CA

D. County: Los Angeles

E. Region: 05

F. Forest: Angeles National Forest

G. District: 51

H. Fire Incident Job Code: XXXX

I. Date Fire Started: 07/13/2009

J. Date Fire Contained: 07/15/2009

K. Suppression Cost: \$ XXXX

L. Fire Suppression Damages Repaired with Suppression Funds

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

M. Watershed Number:

N. Total Acres Burned:

[300] NFS Acres

☐ Other Federal

☐ State

☐ Private

O. Vegetation Types: Annual Grass/Forb, Chamise Chaparral, Mixed Chaparral, Coast Live Oak/Sycamore Riparian Forest

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): 100 (low) 195 (moderate) 5 (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. Prior to the arrival of a resource advisor several dozers and multiple suppression crew vehicles drove through the highest priority weed infestation on the Angeles National Forest. This population is of perennial pepperweed, a species rated by CA State and California Invasive Plant Council as a having a severe ecological impact on physical processes, plant and animal communities, and vegetation structure and whose reproductive biology and other attributes are conducive to moderate to high rates of dispersal and establishment. Perennial pepperweed spreads by seed and more commonly by pieces of root fragment, as small as 1 cm in length. As with most invasive species, perennial pepperweed responds extremely well to ground disturbance and burning, due to its deep and prolific root system and high production of seed. The ANF has been treating this infestation for the past two years by manual techniques and is currently in the process of conducting a NEPA analysis for the use of herbicides in the area.

As stated above, during suppression activities multiple trips by multiple vehicles and heavy equipment were made through this population in order to get to other areas of the fire and to construct dozerlines. In addition, vehicles and equipment were staged within perimeter of the infestation. There is therefore, a very high likelihood that perennial pepperweed was transported to new areas, most especially within the burn and dozerlines, during these activities.

B. Emergency Treatment Objectives (narrative):

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

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 type="checkbox"/> Hydrology	<input type="checkbox"/> Soils	<input checked="" type="checkbox"/> Geology	<input type="checkbox"/> Range
<input type="checkbox"/> Forestry	<input 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

Email: kvinzant@fs.fed.us **Phone:** XXX

FAX: XXX

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 2010 during the flowering periods of perennial pepperweed. Completion of surveys in riparian areas, dozerlines, and known invasive plant populations 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 Osito 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-11 botanists (\$360/day x 2 days)	\$ 1440
Vehicle mileage (200 miles @0.55/mile)	\$ 110
TOTAL	\$ 1550

Channel Treatments: XXX

Roads and Trail Treatments: XXX

Protection/Safety Treatments: XXX

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	1550	1	\$1,550	\$0		\$0		\$0	\$1,550
				\$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>				\$1,550	\$0		\$0		\$0	\$1,550
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										
				\$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 & Trails</i>				\$0	\$0		\$0		\$0	\$0
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				\$1,550	\$0		\$0		\$0	\$1,550
Previously approved										
Total for this request				\$1,550						

PART VII - APPROVALS

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

7/21/09
Date

2. /s/ Debra L. Whitman (for)
Regional Forester (signature)

7/29/09
Date