USDA-FOREST SERVICE

FS-2500-8 (6/06)

Date of Report:

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

[x] 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)

[x] 2. Interim Report # 1
[x] 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: Grande

B. Fire Number: CA LPF 001281

C. State: California

D. County: Ventura

E. Region: 5

F. Forest: Los Padres

G. District: Mount Pinos

H. Fire Incident Job Code: P5HG1V

I. Date Fire Started: May 15, 2013

J. Date Fire Contained: May 22, 2013

K. Suppression Cost: Approximately 10 million

L. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles): 8
2. Fireline seeded (miles):
3. Other (identify):

M. Watershed Number:

N. Total Acres Burned: 4346
NFS Acres(2822) Other Federal (0) State (**863**) Private (659)

O. Vegetation Types: Annual Grass, sage chaparral, pinyon/juniper, jeffery pine at the summit

P. Dominant Soils:
Kilburn-Wrentham-Supan Families association, 30 to 60 percent slopes – 970 ac
Lodo-Modjeska-Botella Families association, 10 to 70 percent slopes - 1950 ac
Kilburn-Wrentham-Supan Families association, 10 to 30 percent slopes - 150 ac

Q. Geologic Types:
Gneiss and metasediments, Hungry Valley formation, Older alluvium and gravel, alluvium, alluvium fan gravel.

R. Miles of Stream Channels by Order or Class: There are approximately 6 miles of first order stream and 1 mile of 2nd order stream. These are all ephemeral channels on steep ground with extremely absorptive soil types. There is little sign of overland water flow in all but one of these channel bottoms in the fire perimeter – There is channel development downstream of the perimeter and there will likely be some channel flow post-fire, but it is likely to be less than expected in other soil types. Similar channels in the 2011 Post Fire did not respond with damaging flows to thunderstorms after the fire.

S. Transportation System

Trails: 7 ? miles Roads: 0 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 3158 (low) 1147 (moderate) 41 (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): 5

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

C. Equivalent Design Recurrence Interval, (years): 5

D. Design Storm Duration, (hours): 6

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 Critical Values/Resources and Threats:

OHV routes across the midslope of the burn. Threat is from trail erosion tread erosion from increased surface flow and flow down the tread, as well as the some increase in flow at drainage crossings. Also from increased chance of trespas onto open slopes without brush barriers. Even though the soil types here are very absorbtive, we expect some increase in flow in the channels that cross the OHV trails. We feel that by closing the trail for the winter, removing the existing culverts, and inserting paving stone in the crossings, the channel trail tread will be preserved and be recoverable in after the first winter. At that time, OHV funding will either clear the trails and maintain the crossings.

Dalmation toadflax, yellow star thistle, and several other noxious weeds exist within the perimeter of the burn. Threat is from an increased chance of spread of this plant into areas disturbed by dozers, handlines, and wildfire. These plants are a serious risk to maintenance of the natural biodiversity of the area.

B. Emergency Treatment Objectives:
Maintain proper drainage on the OHV route

Determine if the dalmation toadflax is spreading as a result of the fire and suppression.

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

Land __ % Channel __ % Roads/Trails **100** % Protection/Safety __ %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land			
Channel			
Roads/Trails	90	95	100
Protection/Safety			

E. Cost of No-Action (Including Loss): **$250,000**
Repair of the OVH trail and surrounding trespass into the burned area could easily cost $150,000 if not treated. The trail will likley be lost in several areas, and many new trespass trails will need to be barricaded. If the weeds are not detected early, treatment costs could easily escalate to over $100,000.

F. Cost of Selected Alternative (Including Loss): **$112,440**

Proposal is for $92,440 and will still require OHV trail some post-winter maintenance not funded by BAER (approx. $10,000). The cost of weed treatment, if found early, could cost approximately $10,000.

G. Skills Represented on Burned-Area Survey Team:

[ ] Hydrology	[ ] Soils	[ ] Geology	[x] Range	[ ]
[ ] Forestry	[x] Wildlife	[ ] Fire Mgmt.	[ ] Engineering	[ ]
[ ] Contracting	[ ] Ecology	[x] Botany	[x] Archaeology	[ ]
[x] Fisheries	[ ] Research	[ ] Landscape Arch	[x] GIS	

Team Leader: Kevin Cooper

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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:

Channel Treatments:

Roads and Trail Treatments: Two OHV trail run midslope for over 6 miles within the Grand fire perimeter, mostly in moderate soil burn severity areas. Although the soil types are absorptive and runnoff below the fire is expected to be minimal, we expect the trail tread to be challenged some from overland runoff and channel flows, and we expect that there will be pressure to use this route and trespass onto burned slopes that have lost their natural brush barriers. This route is adjacent to the California Hungry Valley OHV recreational area and recieves heavy OHV use. We are requesting funds to prepare the trail for increased flows, closure of the route, trespass control, and monitoring of the closure and water control structures. Please see the OHV specialist report attached. The total funding request for this is $75,150.

UPDATE, October 18, 2013:
The Grand Fire BAER implementation team has experienced unanticipated logistical issues that will increase the time it takes to complete the original plan discussed in the initial 2500-8. Pipe barrier fences used to keep heavy OHV traffic from the adjacent Hungrey Valley State Vehicular Recreation Area had to be cut in half to 10 foot lengths in order to transport them through steep, undulating OHV routes to the worksite, increasing the time to move materials and almost doubling the welding times. Also, the difficulties of working in this terrain were generally understimated, increasing overall work times. The extra work will require an additional two pay periods for the Scorpion crew and additional adminstrative time for Mount Pinos Forest Service personnel.

Total additional costs for wages/perdiem/supplies/truck mileage for this additional work, according to Scot Steinbring of the Porterville Scorpion crew, is $44,469.

Additional time needed for Los Padres Mount Pinos Ranger District employees is:

1. 6 days for GS 11 Resource officer at $415/day = $2490
2. 10 days for GS 9 recreation officer at $297/day = $2970
3. 15 days for GS 7 rec tech at $233/ day = $3495

Total = $8955.

The total additional funding needed to finish this project is $44,469 + $8955 = $53,424.

This increases the roads and trails treatments from $75,150 to $128,574, and increases the total Grand Fire BAER request from the initial $92,440 to $145,864.

The work to be accomplished has not changed. Only the original estimate of the cost has changed.

Protection/Safety Treatments:

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.)

Because the fire suppression dozers, hand crews, and vehicles moved through existing noxious weed infenstations and then moved on to other disturbed soils around the fire, and because it is is unknown if suppression equipment brought into the fire contained noxious weeds, it is very important to recognize the early signs of an invasion to new areas around the fire. The potential for a very large spread of weeds is present, and the most effective way to deal with it will be early and aggressively. BAER funds can greatly help by funding a detection monitoring next spring, within one year of the fire. At that time, pulling by hand will be employed to the extent practicable, and plans to control the infestation and to fund this will be addressed using other funds. Please see the botanist report. Costs for monitoring total = $17,290.

Part VI -- Emergency Stabilization Treatments and Source of Funds Interim

			NFS Lands			Other Lands				All
Line Items	Units	Unit Cost	# of Units	BAER $	Other $	# of units	Fed $	# of Units	Non Fed $	Total $
A. Land Treatments										
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$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
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Channel Treat.				$0	$0		$0		$0	$0
C. Road and Trails										
interim 1 request				~~$128,574~~	$0		$0		$0	$128,574
Initial request				75,150	$0		$0		$0	$0
Interim 1 request				53,424	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Road & Trails				$128,574	$0		$0		$0	$128,574
D. Protection/Safety										
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Structures				$0	$0		$0		$0	$0
E. BAER Evaluation										
				$3,500			$0		$0	$0
Insert new items above this line!				---	$0		$0		$0	$0
Subtotal Evaluation				---	$0		$0		$0	$0
F. Monitoring										
				$17,290	$0		$0		$0	$17,290
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Monitoring				$17,290	$0		$0		$0	$17,290
G. Totals				$145,864	$0		$0		$0	$145,864
Previously approved				92440						
Total for this request				~~$145,864~~						

53,424

PART VII - APPROVALS

1. _____ 12/2/13
Forest Supervisor (signature) Date

2. _____ 1/9/2014
Regional Forester (signature) Date