USDA-FOREST SERVICE FS-2500-8 (7/00)

Date of Report:

BURNED-AREA REPORT
(Reference FSH 2509.13)

GENERALLY THIS SHORT FORM CAN BE USED FOR SMALL FIRES (300-500 ACRES OR LESS) AND THERE IS A NO TREATMENT DECISION AND/OR THE ONLY PROPOSED TREATMENT IS NOXIOUS WEED DETECTION SURVEY- as a minimum fill out the yellow highlighted sections

NOTE: IF THERE IS A FUNDING REQUEST FOR NOXIOUS WEED DETECTION SURVEY, THEN THIS SHORT FORM 2500-8 MUST BE SIGNED BY FOREST SUPERVISOR and a funding request made through the correspondance database.

IF THERE IS NO FUNDING REQUEST, THEN THE TEAM LEADER OR FOREST BAER COORDINATOR MAY SIGN and send directly to the Regional Coordinator.

CALL THE REGIONAL COORDINATOR IF THERE IS A QUESTIONS IF THIS FORM IS APPROPRIATE FOR THE PARTICULAR FIRE
August 25, 2009 BR

PART I - TYPE OF REQUEST

I. Type of Report

[ ] 1. Funding request for estimated WFSU-SULT funds
[ ] 2. Accomplishment Report
[X] 3. No Treatment Recommendation

I. Type of Action

[X] 1. Initial Request (Best estimate of funds needed to complete eligible rehabilitation measures)
_____**Requesting $1,000 for Noxious Weed Detection Survey and Rapid Response**

[ ] 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: Ridge/Heights (Hough Complex) B. Fire Number: PNF-1324

C. State: CA D. County: Plumas

E. Region: 05 F. Forest: Plumas

G. District: Mount Hough

H. Date Fire Started: August 19, 2013 I. Date Fire Contained August 25, 2013

J. Suppression Cost:

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

L. Watershed Number:

M. Total Acres Burned: 336
NFS Acres (91) Other Federal ( ) State ( ) Private (245)

N. Vegetation Types: mixed conifer

O. Dominant Soils: Skalan-Deadwood-Kistirn, Holland-Wapi

P. Geologic Types: Mesozoic granitic rocks, Shoo Fly Complex quartzose & lithic meta

Q. Miles of Stream Channels by Order or Class:_____

I. Transportation System

Trails:_ miles Roads:_ miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 132 (low) 95 (moderate) 80 (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): 2

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

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

D. Design Storm Duration, (hours): ____

E. Design Storm Magnitude, (inches):

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

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

I. Adjusted Design Flow, (cfs per square mile): ____

PART V - SUMMARY OF ANALYSIS

A. Describe Watershed Emergency: **State whether or not Values At Risk were identified and the degree or level of threats to them.** **Two potential values at risk were identified: Plumas County road 126 (also known as "China Grade") that parallels the south-eastern perimeter of the fire and private homes at the bottom of the watersheds affected by the fires. The potential risk to roads would be from increased post-fire runoff and erosion that could result in bedload and debris disrupting road drainage(s), potentially resulting in washouts of the road prism. The risk to private property in the lower portion of the watersheds would also be increased post-fire runoff and erosion that could result in damage of property.**

In addition, there is a risk of erosion from fire suppression roads on private lands that the landowner plans to remain open. These roads pose a risk from increase post-fire runoff and erosion. However, it is expected that these risks would be mitigated by storm proofing (installation of drainage features such as rolling dips, culverts, etc.) these roads prior to post-fire runoff events. The Resource Advisor will coordinate these road improvments with the private landowner (Chy Group).

Provide justification why NO TREATMENT was chosen.
Overall, the effects of the fire do not appear to be sufficient to result in significant alteration of runoff or erosion rates in the two watersheds (Hough and Taylor watersheds) affected by this fire. Of the 336 acres burned, only 91 acres were on National Forest System lands. A very small portion of the burned area is located in the Hough Watershed that drains into Hough Creek. Soil burn severity in that watershed was generally low. Based upon field surveys, hydrophobicity throughout the burned area within the Talyor Creek watershed was infrequent and, where present, was primarily of low intensity with the exception of smaller pockets of moderate to high burn severity. Runoff intensity is expected to be similar to pre-fire runoff and would not be altered significantly enough to pose a risk to private property.

In general, high severity areas were not concentrated spatially but were spread out over the landscape with the exception of the portion of National Forest System (NFS) lands that were burned adjacent to County road 126. Assessment of the burned area upslope of the county road indicated some increase in the risk of some occurance of surface erosion (i.e. rilling) on the hillside due to the hydrophobic soils. However, the high rock content (granitic rock) on the surface and subsurface of the soils and the soil structure, including unburn fine roots and roots of stand dead vegetation, give the appearance that the soils will be resistant to mass wasting. The Plumas County Public Works Department have been advised of the BAER team's findings.

B. Emergency Treatment Objectives:

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

Land __ % Channel __ % Roads __ % Other __ %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land			
Channel			

Roads			
Other			

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

F. Cost of Selected Alternative (Including Loss):

I. Skills Represented on Burned-Area Survey Team:

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

Team Leader: Antonio Dueñas

Email: tduenas@fs.fed.us Phone: (530) 836-7156 FAX:

I. **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 survey to occur in summer/fall 2013 and in 2014. Survey cost is $500 per survey event. This would consist of two GS-04's for 4 days per event.

Channel Treatments:

Roads and Trail Treatments:

Structures:

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 Rehabilitation Treatments and Source of Funds by Land Ownership

			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										
noxious weed survey	season	500	2	$1,000	$0		$0		$0	$1,000
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Land Treatments				$1,000	$0		$0		$0	$1,000
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										
				$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 Road & Trails				$0	$0		$0		$0	$0
D. Structures										
				$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										
	team	2000	1	$0	$2,000		$0		$0	$2,000
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Evaluation				$0	$2,000		$0		$0	$2,000
F. Monitoring										
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Monitoring				$0	$0		$0		$0	$0
G. Totals				**$1,000**	**$2,000**		**$0**		**$0**	**$3,000**

If NO TREATMENT AND NO FUNDING REQUEST- then

Forest Coordinator or Team Leader (signature) _/s/*Joseph A. Hoffman* Date_Sept 6, 2013__

IF NO TREATMENT **EXCEPT** FUNDING REQUEST FOR NOXIOUS WEED DETECTION SURVEY, then

Forest Supervisor (signature) __*/s/ Earl W. Ford*_____ Date__Sept 9, 2013__

Regional Forester (signature) Barnie T. Dysart Date 9/10/2013