

Date of Report: 08/12/2008

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: Hells Half Acre B. Fire Number: CA-SRF-1123
C. State: California D. County: Humboldt and Trinity
E. Region: R5 Pacific Southwest F. Forest: Six Rivers & Shasta Trinity
G. District: Lower Trinity and Hayfork H. Fire Incident Job Code: P5D8NL
I. Date Fire Started: 6/20/2008 J. Date Fire Contained: 07/29/2008
K. Suppression Cost: \$14,135,800
L. Fire Suppression Damages Repaired with Suppression Funds
 1. Fireline waterbarred (miles): 28
 2. Fireline seeded (miles):
 3. Other (identify):
M. Watershed Number: 1801021205 Lower South Fork Trinity River
N. Total Acres Burned: 15,146
 NFS Acres(14,146) Other Federal () State () Private (1000)
O. Vegetation Types: Early and mid-mature Doug Fir, Alder, Tanoak and oakwoodland
P. Dominant Soils: Clallam-Deadwood family, very gravelly loam
Q. Geologic Types: Sedimentary and metasedimentary rocks, unstable terrane

R. Miles of Stream Channels by Order or Class:

S. Transportation System

Trails: 8.9 miles Roads: 34.9 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 12,894 (low) 2050 (moderate) 202 (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): 10 years

B. Design Chance of Success, (percent): N/A

C. Equivalent Design Recurrence Interval, (years): N/A ___

D. Design Storm Duration, (hours): N/A ___

E. Design Storm Magnitude, (inches): N/A

F. Design Flow, (cubic feet / second/ square mile): N/A ___

G. Estimated Reduction in Infiltration, (percent): N/A ___

H. Adjusted Design Flow, (cfs per square mile): N/A ___

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

The Hells Half Acre Complex was started by lightning on June 20, 2008 and contained on July 29, 2008. A majority of the fire, 15,091 acres, burned on the Lower Trinity District, Six Rivers National Forest. The remaining 55 acres burned on the Hayfork District of the Shasta Trinity National Forests. An initial assessment of emergency restoration needs has determined that soil stabilization/hillslope erosion treatments, and channel treatments are not needed. An initial assessment of the potential for spread of invasive weeds has found that yellow star-thistle is present within the fire perimeter. Noxious weeds are a serious environmental concern throughout the Region. These noxious weed species are known to threaten natural diversity, habitat for fish, wildlife and native plants, soil stability, and ecosystem processes. They are spreading at an alarming rate in California and fast encoaching onto National Forest lands.

B. Emergency Treatment Objectives:

The objective of the noxious weed detection assessment is to use early detection and hand removal to prevent the spread of invasive non native plants into the interior of the fires perimeter.

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

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

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land	NA	NA	NA
Channel	NA	NA	NA
Roads/Trails			
Protection/Safety			

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

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

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

Team Leader: John McRae

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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:

- Soil stabilization/hillslope erosion: None needed. This was mostly a low to moderate intensity fire, with relatively few acres of high intensity fire. The ground has retained most of its organic litter and in areas where the canopy was burned a thick layer of needles is already beginning to cover the soil. No hydrophobic soils were detected. Due to the largely intact canopy, presence of organic soil cover, retention of soil structure, and lack of hydrophobic soils, no detrimental effects to soil productivity or hydrologic function are anticipated.
- Invasive weeds: Treatment includes invasive weed detection assessment of dozer lines and access routes within the fire perimeter, including manual treatment of any detected occurrences. Intent of treatments would be to prevent the establishment and spread of existing infestations of yellow star-

thistle and other invasive plant species of concern within the fire perimeters. Treatments would occur in summer of 2009.

Channel Treatments:

Roads and Trail Treatments:

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.)

Part VI – Emergency Stabilization Treatments and Source of Funds

Line Items	Units	Unit Cost	NFS Lands		Other \$	Other Lands				All Total \$
			# of Units	BAER \$		# of units	Fed \$	# of Units	Non Fed \$	
A. Land Treatments										
Plan. And Admin.	Job	\$3,000	1	\$3,000	\$0		\$0		\$0	\$3,000
Detect/Treat	Job	\$12,600	1	\$12,600	\$0		\$0		\$0	\$12,600
Vehicle, Travel, PD	Job	\$1,000	1	\$1,000	\$0		\$0		\$0	\$1,000
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Land Treatments</i>				\$16,600	\$0		\$0		\$0	\$16,600
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										
Initial survey	Job	\$0	0	\$0	\$0					
Tracking/reporting	Job	\$0	0	\$0	\$0					
Nox Weed assessmnt	Job	\$0	0	\$0	\$0					
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				---	\$0		\$0		\$0	\$0
<i>Subtotal Evaluation</i>				\$0	\$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				\$16,600	\$0		\$0		\$0	\$16,600
Previously approved										
Total for this request				\$16,600						

PART VII - APPROVALS

1. /s/ Nancy J. Gibson, for
Forest Supervisor (signature)
2. /s/ Katherine Clement (for)
Regional Forester (signature)

8/25/08
Date
9/3/08
Date