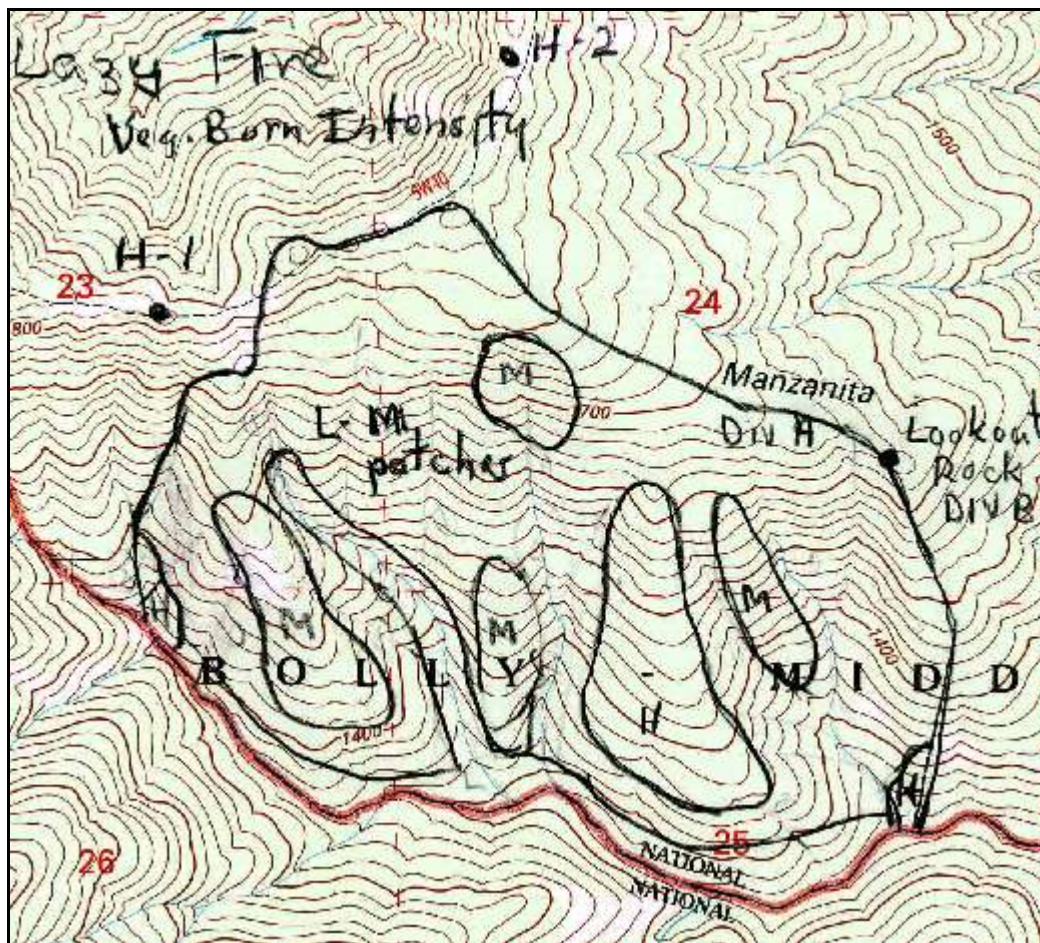


Date of Report: 09/12/2007

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: Lazy
- B. Fire Number: CA-SHF-1912
- C. State: CA
- D. County: Tehema
- E. Region: 05
- F. Forest: Shasta
- G. District: Yolla Bolly
- H. Fire Incident Job Code: P5DZP9
- I. Date Fire Started: 08/31/2007
- J. Date Fire Contained: 09/09/2007
- K. Suppression Cost: \$1.5 million
- L. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles): 1.2
 2. Fireline seeded (miles): 0
 3. Other (identify):
- M. Watershed Number: 1802011303
- N. Total Acres Burned: 599
NFS Acres(599) Other Federal () State () Private ()
- O. Vegetation Types: Mixed conifer, heavy to Ponderosa and Sugar Pine
- P. Dominant Soils: Neuns
- Q. Geologic Types: Volcanic diorite
- R. Miles of Stream Channels by Order or Class:
- Order 1 – 3.28 mi.
 - Order 2 – 1.32 mi.
 - Order 4 - 0.49 mi.

S. Transportation System

Trails: 0.35 miles Roads: 0 miles

PART III - WATERSHED CONDITION

- A. Burn Severity (acres): 83 (low) 73 (moderate) 62 (high)
(low-moderate patches) 381
- B. Water-Repellent Soil (acres): 10
- C. Soil Erosion Hazard Rating (acres):
135 (low) 361 (moderate) 103 (high)
- D. Erosion Potential: 3 tons/acre
- E. Sediment Potential: 270 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years):	<u>10</u>
B. Design Chance of Success, (percent):	<u>N/A</u>
C. Equivalent Design Recurrence Interval, (years):	<u>2</u>
D. Design Storm Duration, (hours):	<u>6</u>
E. Design Storm Magnitude, (inches):	<u>0.22</u>
F. Design Flow, (cubic feet / second/ square mile):	<u>220</u>
G. Estimated Reduction in Infiltration, (percent):	<u>5</u>
H. Adjusted Design Flow, (cfs per square mile):	<u>231</u>

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

The Mendocino National Forest Hydrologist was the Resource Advisor for this fire. He volunteered to do the BAER report as he is single resource boss qualified and visited the fireline for suppression repair needs. He also contacted the Mendocino resource specialists for information, as the fire was adjacent to the Mendocino. The Lazy fire occurred in the Buck Creek watershed of the Yolla Bolly wilderness in the Shasta National Forest. This lightning fire occurred on a south aspect in an open mixed conifer stand consisting mostly of Ponderosa pine and Sugar pine. Ground cover prior to the fire was mostly a litter layer 1-2 inches deep of pine needles. The fire consumed the ground fuel and shrubs exposing rock fragments on the soil surface. Handlines were constructed down ridges to contain the fire, allowing it to back into the stream. Handlines were constructed going down hill with fuel next to them intentionally ignited for fire fighter safety. This tactic created some high intensity burns near Buck Creek, which was a control line. Low growing vegetation was cut along the creek leaving conifers for shade.

Resources

With the open conifer stand, there was no wildlife concern about loss of habitat for late-successional species. (personnel communication with Jim Ruhl – MNF Forest Biologist) The 1800 feet of the hiking trail that was used as a control line does not have heritage resource concerns. (personnel communication with SHF archeologist Mark Arnold). The Redding and Mendocino hotshots had seen trout in intermittent pools of Buck Creek. Lee Morgan, MNF Forest Fisheries Biologist, surmized since Buck Creek is tributary to South Fork Cottonwood Creek, an anadromous fish stream, the trout could have been juvenile steelhead. The fire was located on ancient landslide topography with steep scarps and flat benches. The soil surface has coarse rock, with underlying soil high (about 20%) in gravel content. A conifer overstory remained unburned at the site where two streams flow into Buck Creek, providing shade and streambank stability. (Observations of geology, soil and water observed by Bob Faust, MNF Forest Hydrologist and Lazy fire Resource Advisor).

Helicopter cargo nets inspected by the Resource Advisor on the fireline helispots revealed one of the three nets at H-1 had bur clover and medusa head grass (removed seed was identified by Lauren Johnson, MNF Forest Botanist), three nets at H-2 had no seed while six nets at "Lookout Rock" Division A/B break had two nets with bur clover lodged in the loose rope ends of the net; no yellow star thistle heads were seen in any of the nets. No weed seeds were seen below H-1 and H-2.

The cargo helibase at Paskenta was cleared of vegetation but medusa head grass and yellow star thistle remained adjacent to the work area. Two nets had bur clover which could have entered the nets at this location or were present when they were received from North Zone.

Values at risk are anadromous fish, but with the fire being high in the watershed, with rocky soils and conifers along the streams, the fire effects are minimal. Introduction of noxious weeds is a possibility, as seeds were found in the nets, but not readily observed below the helispots.

No treatments are necessary.

B. Emergency Treatment Objectives:

Noxious weed threat assessment is needed to detect and destroy any incidental infestations of invasive plants introduced by suppression actions, and to determine the need for treatment beyond incidental removal. Assessment needs to occur prior to the one year anniversary of fire containment, September 9th.

Access to the area is either hiking six miles one way or helicoptering to helispot H-1 and returning when the survey is completed. Use of a helicopter in the wilderness for this assessment is permissible by the Forest Supervisor since it is connected to the fire.

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

Land N/A % Channel N/A % Roads/Trails N/A % Protection/Safety N/A %

D. Probability of Treatment Success – Noxious weed removal

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

E. Cost of No-Action (Including Loss): \$0

F. Cost of Selected Alternative (Including Loss): \$11,120

G. Skills Represented on Burned-Area Survey Team:

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

Team Leader: Bob Faust

Email: rfaust@fs.fed.us

Phone: (530) 934-1152

FAX: (530) 934-7384

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 weeds –

Field check helispots and fire line for noxious weed infestations in the 2008 growing season, as detailed in attached Noxious Weed Assessment Plan. Eradicate incidental infestations at time of discovery; submit request for BAER treatment funds if additional treatment is needed.

Channel Treatments:

None

Roads and Trail Treatments:

None

Protection/Safety Treatments:

None

Monitoring

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.)

See attached noxious weed assessment plan.

Part VI – Emergency Stabilization Treatments and Source of Funds

Interim #

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									
Nox. Weed Assess.	job	5560	2	\$11,120	\$0		\$0	\$0	\$11,120
				\$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>				\$11,120	\$0		\$0	\$0	\$11,120
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									
2500-8 Prep	report	400	1	\$400			\$0	\$0	\$400
<i>Insert new items above this line!</i>					\$0		\$0	\$0	\$0
<i>Subtotal Evaluation</i>				\$400	\$0		\$0	\$0	\$400
F. Monitoring									
				\$0	\$0		\$0	\$0	\$0
<i>Subtotal Monitoring</i>				\$11,520	\$0		\$0	\$0	\$11,520
G. Totals				\$11,520	\$0		\$0	\$0	\$11,520
Previously approved									
Total for this request				\$11,520					

PART VII - APPROVALS

 1. /s/ J. Sharon Heywood
 Forest Supervisor (signature)

25 Sep 07
 Date

 2. /s/ Vicki A. Jackson (for)
 Regional Forester (signature)

10/3/2007
 Date