USDA-FOREST SERVICE FS-2500-8 (6/06)

Date of Report: 8/30/13

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

[x] 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: Spring Peak

B. Fire Number: NV- HTF-030475

C. State: NV

D. County: Mineral

E. Region: 4

F. Forest: Humboldt-Toiyabe

G. District: Bridgeport

H. Fire Incident Job Code: P4HV53 0417

I. Date Fire Started: 8/14/13

J. Date Fire Contained: 8/27/13

K. Suppression Cost: $2,600,000

L. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles): 0
2. Fireline seeded (miles): 0
3. Other (identify):

M. Watershed Number: 1605030102 -Rough Creek - 3,519ac
1809010101 - Alkali Valley-Frontal Mono Lake - 5,278ac

N. Total Acres Burned: 14,232
NFS Acres(**8,797**) Other Federal (**3,928**) State (209) Private (1,293)

O. Vegetation Types: wyoming sagebrush, mountain sagebrush, pinyon-juniper

P. Dominant Soils: Nire, Epvip, Hiridge, Katyblay, Borealis, Antholop

Q. Geologic Types: volcanic, sedimentary

R. Miles of Stream Channels by Order or Class:
Perennial – 3
Intermittent - 33

S. Transportation System

Trails: 10 miles Roads: 18 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 2,875 (low) 4,405 (moderate) 133 (high)
1,386 (unburned/very low) Acres on NFS lands

B. Water-Repellent Soil (acres): 1435 (NFS lands)

C. Soil Erosion Hazard Rating (acres):
0 (low) 1669 (moderate) 7128 (high)

D. Erosion Potential: 1.46 tons/acre

E. Sediment Potential: 915 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 10

B. Design Chance of Success, (percent): 80

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

D. Design Storm Duration, (hours): 1.43

E. Design Storm Magnitude, (inches): 0.96

F. Design Flow, (cubic feet / second/ square mile): 6

G. Estimated Reduction in Infiltration, (percent): 16

H. Adjusted Design Flow, (cfs per square mile): 7

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

Natural Resources – Native Plant Community The Spring Peak fire burned through an area of the Bridgeport Ranger District that contained high quality sagebrush and native perennial grass communities. Some unburned islands of native plants were left within the fire perimeter. There are some areas of pinyon-juniper,including high density stands and low density encroachment areas. The majority of the fire area is weed free, though there are small pockets of cheat grass within and near the fire perimeter. There is a risk to native plant diversity and community integrity due to the threat from the fire induced spread of invasive weeds.

The intact native vegetation communities are designated Preliminary Priority Habitat (PPH) for the Bi-State sage grouse population. To restore sage brush and native grasses to this area and protect sage grouse habitat seeding will be needed. However, this treatment will be pursued under other funding sources. The forest is not proposing treatments under BAER.

Cultural Resources The fire is approximately 30 miles from Bridgeport and is easily accessed from the HWY 395 corridor by motorists traveling between Death Valley, Mount Whitney and the Yosemite recreation epicenters. The fire area is adjacent to Aurora mining site and cemetery, a National Register Historic Site, and Bodie State Historic Park. There are 29 recorded sites within the fire perimeter. These sites include lithic scatters, a game trap and historic mining structures. The sites within the fire will be exposed through time from soil erosion. Surface exposure of these cultural resources may result in an increased risk of theft.

Property-Roads Forest road 759J is located above the Esmeralda Mill, located on private property, on the edge of the burned area. The road bisects a slope in a high severity burn area of pinyon-juniper. The road is likely to intercept runoff and sediment and channel it toward the mill property.

B. Emergency Treatment Objectives:

1) Reduce the unacceptable risk to native plant community recovery through early Detection Rapid Response treatment. This is to prevent the expansion of invasive weed populations into intact native vegetation communities.

2) Protect registered cultural resource sites through public warning signs.

3) Reduce the risk of road damage due to additional runoff in the high burn severity area. Meeting this objective will also reduce downstream risks toprivate property.

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

Land **NA** % Channel **NA** % Roads/Trails **80** % Protection/Safety **80** %
(Land treatment is the EDRR planned for spring 2014)

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land	90	na	na
Channel	na	na	na
Roads/Trails	90	80	80
Protection/Safety	80	80	80

E. Cost of No-Action (Including Loss):
Weed treatments (3 yrs) $25,000
Road repair (3 yrs) $15, 00
Archaeological resource theft investigations - $50,000 to $100,000

Total - $90,000 to $140,000

F. Cost of Selected Alternative (Including Loss): $15,912 of treatment plus $20,000 of critical value loss.

G. Skills Represented on Burned-Area Survey Team:

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

Team Leader: Sally Champion, District Hydrologist, Carson/Bridgeport RD, H-T NF

Email: schampion@fs.fed.us Phone:775-884-8116 FAX: 775-884-8199

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: BAER Value Native Plant Community

Conduct Early Detection Rapid Response (EDRR) survey to detect expansion of invasive weed populations and determine if weed treatments are necessary. An emphasis will be placed on the burned intact native vegetation communities that are providing priority sage grouse habitat, primarily leks, nesting and brood-rearing habitat, and surrounding the remaining unburned sagebrush islands. EDRR will be conducted during the spring and late summer of 2014 by Bridgeport district staff.

Range staff – $315/day X 5 days = $1575
Range tech - $230/day X 5 days = $1150
Wildlife staff - $296/day X 5 days = $1480
Implementation team leader $350/day X 1 day = $350
Vehicle mileage $.60/mi X 2000 mi = $1200

Total request $5,755

Channel Treatments: none proposed

Roads and Trail Treatments: BAER Value Property

Construct waterbars with lead-off ditch on approximately ½ miles of Forest road 759J.

COR/supervision – 2 days@ $350/day = $700
Mobilization – 2 day @ $1600/day = $3,200
Road work - 16 hrs @ $150/hr = $2,400

Total request - $6,300

Protection/Safety Treatments: BAER Value Cultural Resources

Place archaelogical resource protection information signs at entry points to fire. Signs will have language warning that it is illegal to collect artifacts, but wil not identify sites.

Carsonite decals - $300
Salary - $816 (2 GS-5 techs @ $136/day X 3 days ea)
Implementation team leader $350/day X 1 day = $350
Vehicle mileage $216

Archaeological protection patrols will be used to monitor the effectiveness of archaelogical resource protection signs in preventing theft from cultural resource sites. Monitoring will be conducted by visiting National Register Eligible sites to look for signs of looting. In addition, volunteer archaeological site stewards have already volunteered to increase patrols in and around the fire area for public awareness and to prevent looting.

District archaelogist – 5 days @ $388/day = $1950
Vehicle mileage 375 mi @ $0.60/mi = $ 225

Total request $3857

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.)

None requested

Part VI – Emergency Stabilization Treatments and Source of Funds **Interim #**

			NFS Lands				Other Lands			All
		Unit	# of		Other	# of	Fed	# of	Non Fed	Total
Line Items	Units	Cost	Units	BAER $	$	units	$	Units	$	$
A. Land Treatments										
EDRR	ea	5755	1	$5,755	$0		$0		$0	$5,755
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Land Treatments				$5,755	$0		$0		$0	$5,755
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										
Road drainage	ea	6300	1	$6,300	$0		$0		$0	$6,300
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Road & Trails				$6,300	$0		$0		$0	$6,300
D. Protection/Safety										
Signing	lump sum	1332	1	$1,332	$0		$0		$0	$1,332
Protection patrol	ea	2175	1	$2,175	$0		$0		$0	$2,175
Carsonite posts					$500					
Volunteer site stewards				$0	$2,000		$0		$0	$2,000
Impl team leader	day	350	1	$350						
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Structures				$3,857	$2,500		$0		$0	$5,507
E. BAER Evaluation										
	ea	10500	1		$10,500		$0		$0	$10,500
Insert new items above this line!				---	$0		$0		$0	$0
Subtotal Evaluation				---	$10,500		$0		$0	$10,500
F. Monitoring										
					$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Monitoring				$0	$0		$0		$0	$0
G. Totals				$15,912	$13,000		**$0**		**$0**	**$28,062**
Previously approved										
Total for this request				**$15,912**						

PART VII - APPROVALS

1. /s/ WILLIAM A. DUNKELBERGER — August 30, 2013
   Forest Supervisor (signature) — Date

2. /s/ Chris Iverson (for) — 9/5/13
   Regional Forester (signature) — Date