

**BURNED-AREA REPORT**  
(Reference FSH 2509.13)**PART I - TYPE OF REQUEST**

## A. Type of Report

- ☒ 1. Funding request for estimated emergency stabilization funds – **Noxious Weed Survey only**  
☐ 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: Bar FireB. Fire Number: CA-PNF-000700C. State: CAD. County: PlumasE. Region: 5F. Forest: PlumasG. District: Mount HoughH. Fire Incident Job Code: P5FN9TI. Date Fire Started: July 31, 2010J. Date Fire Contained: Aug 11, 2010K. Suppression Cost: \$2.1 million

L. Fire Suppression Damages Repaired with Suppression Funds not available as of this date as suppression on other fires within the Rich Fire and Canyon Complex is still on going. Suppression rehab is currently underway.

1. Fireline waterbarred (miles): 5  
2. Fireline seeded (miles): 0  
3. Other (identify):

M. Watershed Number: Lower East Branch, North Fork Feather River: HUC-5 #1802012208N. Total Acres Burned: 1,040

NFS Acres (1,040)    Other Federal ( )    State ( )    Private ( )

O. Vegetation Types: Pine, shrub, oakP. Dominant Soils: Lithic Xerorthents, Typic Haploxerults, Mollic HaploxeralfsQ. Geologic Types: Hard, slightly weathered and fractured peridotite

R. Miles of Stream Channels by Order or Class: 5 ephemeral, 0 intermittent, 2 perennial

S. Transportation System

Trails: 0 miles      Roads: 2.5 miles (Road 26N22F)

### **PART III - WATERSHED CONDITION**

A. Burn Severity (acres): 710 (low) 150 (moderate) 30 (high) approx 150 ac of rock outcrop

B. Water-Repellent Soil (acres): 30

C. Soil Erosion Hazard Rating (acres):  
           (low) 890 (moderate)        (high)

D. Erosion Potential: 1.53 tons/acre (5-year average, using Disturbed WEPP)

E. Sediment Potential: 650 cubic yards / square mile (1.53 ton/ac, 5-year average, using Disturbed WEPP)

### **PART IV - HYDROLOGIC DESIGN FACTORS**

A. Estimated Vegetative Recovery Period, (years): 2

B. Design Chance of Success, (percent): 90

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

D. Design Storm Duration, (hours): 1

E. Design Storm Magnitude, (inches): 1.0

F. Design Flow, (cubic feet / second/ square mile): 308

G. Estimated Reduction in Infiltration, (percent): 5 percent

H. Adjusted Design Flow, (cfs per square mile): 323

### **PART V - SUMMARY OF ANALYSIS**

A. Critical Values/Resources and Threats:

The Bar Fire was first reported on the afternoon of July 31, 2010. Cause of the fire is currently under investigation. The Bar Fire burned in steep, rocky terrain along the northern slope of the North Fork Feather River canyon (Secs 10, 11, 14, and 15, T 25N, R 7E). Much of the eastern perimeter of the fire was burned in 2008 during the Rich Fire.

Over 80% of the burned area is estimated to have burned at low severity or consists of rock outcrop. There is plenty of available needlecast to provide ground cover in the widely dispersed, moderately burned patches. Only 30 acres are estimated to have burned at high severity. Therefore, no emergency for water quality has been identified. There are no US Fish and Wildlife Service threatened or endangered listed species in the burned area.

The only system road in the burned area, Forest Service road 26N22F, is located along the northern, upslope perimeter of the fire. Similarly, the Red Hill lookout tower site is located on the upslope perimeter of the fire and is not subject to potential increases in runoff or sedimentation due to the fire. There are no residences or

private structures within or downstream of the burned area and no identified heritage resources within or downstream of the burned area. California Highway 70 runs along the southern, downslope perimeter of the fire. The amount of additional rock fall onto Hwy 70 will likely only slightly exceed normal back ground levels in an area that is naturally subject to frequent rock fall. Therefore, no emergency to health and human safety or property has been identified. The BAER team geologist will make contact with Caltrans as a precautionary measure and will recommend vigilance in this area during wet periods.

A threat to ecosystem integrity exists from the unknowing introduction of invasive noxious weeds into areas disturbed by fire suppression and rehabilitation. Such introductions have the potential to establish persistent weed populations. These persistent populations could affect the structure and habitat function of plant communities within the burn area. Forest Service direction is to minimize the establishment of non-native invasive species to prevent unacceptable degradation of the burned area. Consequently, follow-up assessment of roads, dozer lines, drop points, helispots, and safety zones is necessary to detect the spread and introduction of weeds in the first year after fire. Assessing the establishment of weeds and treating small outlying populations before they expand will prevent the weeds from becoming serious threats to the recovery of native plants. Any new noxious weed populations established in the fire area also threaten nearby public and private lands.

**B. Emergency Treatment Objectives:**

The treatment proposed will reduce the threat to ecosystem integrity from the introduction and spread of invasive weeds.

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

Land n/a % Channel     % Roads/Trails     % Protection/Safety     %

**D. Probability of Treatment Success**

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

**E. Cost of No-Action (Including Loss):** \$160,000

**F. Cost of Selected Alternative (Including Loss):** \$ 2,500

**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"/>
<input type="checkbox"/> Forestry	<input type="checkbox"/> Wildlife	<input type="checkbox"/> Fire Mgmt.	<input checked="" type="checkbox"/> Engineering	<input type="checkbox"/>
<input type="checkbox"/> Contracting	<input type="checkbox"/> Ecology	<input checked="" type="checkbox"/> Botany	<input type="checkbox"/> Archaeology	<input type="checkbox"/>
<input type="checkbox"/> Fisheries	<input type="checkbox"/> Research	<input type="checkbox"/> Landscape Arch	<input type="checkbox"/> GIS	

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#### **H. Treatment Narrative:**

**Land Treatments:** Inspect all areas for newly established weed occurrences. Survey will include documentation and hand pulling small new weed occurrences at the time of inspection. New weed occurrences will be pulled to root depth, placed in sealed plastics bags, and properly disposed. Weed occurrences will not be treated with chemicals.

Documentation of new infestations and treatment performed will include:

- GPS negative and positive inspection results
- Incorporate data into GIS spatial database
- Establish photo points
- Map perimeter of new infestation
- Estimate number of plants per square meter
- Treatment method
- Dates of treatment
- Evaluate success in subsequent inspection

Inspections and treatments will be accomplished by August of 2011. Based upon findings in the first year's survey, additional surveying may be requested for up to three years.

#### **I. Monitoring Narrative:**

No monitoring is requested at this time other than the weed surveys described above.

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

Interim #

Click red icons for notes.		NFS Lands				Other Lands				All Total \$
Line Items	Units	Unit Cost	# of Units	BAER \$	Other \$	# of Units	Fed \$	# of Units	Non Fed \$	
<b>A. Land Treatments</b>										
botanist gs 11	ea	\$350	3	\$1,050			\$0		\$0	\$1,050
botanist gs 9	ea	\$250	3	\$750			\$0		\$0	\$750
botanist gs 5	ea	\$140	5	\$700			\$0		\$0	\$700
<i>Subtotal Land Treatments</i>				\$2,500	\$0		\$0		\$0	\$2,500
<b>B. Channel Treatments</b>										
				\$0			\$0		\$0	\$0
<i>Subtotal Channel Treatments</i>				\$0	\$0		\$0		\$0	\$0
<b>C. Road and Trails</b>										
	ea			\$0			\$0		\$0	\$0
<i>Subtotal Road &amp; Trails</i>				\$0	\$0		\$0		\$0	\$0
<b>D. Protection/Safety</b>										
				\$0			\$0		\$0	\$0
<i>Subtotal Protection</i>				\$0	\$0		\$0		\$0	\$0
<b>E. BAER Evaluation</b>										
Team	---	---	---	---	\$3,000	---		---		
supplies	---	---	---	---	\$0	---		---		\$0
<i>Subtotal Evaluation</i>				---	\$3,000	---	\$0	---	\$0	\$0
<b>F. Monitoring</b>										
				\$0			\$0		\$0	\$0
				\$0			\$0		\$0	\$0
<i>Subtotal Monitoring</i>				\$0	\$0		\$0		\$0	\$0
<b>G. Totals</b>				<b>\$2,500</b>	<b>\$3,000</b>					
Previously approved						Comments:				
Total for this request				<b>\$2,500</b>						

**PART VII - APPROVALS**

- /s/ Alice B. Carlton

Forest Supervisor (signature)

8/18/10

Date
- /s/ Daniel J. Jirón (for)

Regional Forester (signature)

8/31/10

Date