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

Date of Report:

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: Sherwint

B. Fire Number: CA-INF-2008

C. State: CA

D. County: Mono

E. Region: 5

F. Forest: Inyo

G. District: Mammoth

H. Fire Incident Job Code: P5EE10

I. Date Fire Started: August 3, 2008

J. Date Fire Contained: August 8, 2008, 18:00

K. Suppression Cost: Estimated $3.2 million

L. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles):5.75
2. Fireline seeded (miles): 0
3. Other (identify): About 5 miles of hand line, 0.75 miles of bulldozer line recontoured with topsoil, duff and litter replaced.

M. Watershed Number: Calwater #4607, HUC 6 #180901020105 and 180901020104

N. Total Acres Burned: 347
NFS Acres(347) Other Federal ( ) State ( ) Private ( )

O. Vegetation Types: Jeffery pine, mixed conifer

P. Dominant Soils: Soils on moraine deposits, derived from granitic, basalt and mixed rocks.

Q. Geologic Types: Granitic glacial moriane deposits with some ash deposits

R. Miles of Stream Channels by Order or Class: 1.2 miles of Perennial Stream

S. Transportation System

Trails: 2.1 miles Roads: 0 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 215 (low) 107 (moderate) 7 (high) 18 (unburned)

Note: See map on next page for severity, trails, and topography within the burned area.

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): 3-5 yrs for Brush, 10-20 yrs for Jeffrey Pine

B. Design Chance of Success, (percent): NA – monitoring only

C. Equivalent Design Recurrence Interval, (years): 25

D. Design Storm Duration, (hours): 6

E. Design Storm Magnitude, (inches):

F. Design Flow, (cubic feet / second/ square mile): 2.85

G. Estimated Reduction in Infiltration, (percent): 6.50

H. Adjusted Design Flow, (cfs per square mile): 8.1 (1.25 increse)

Map showing burn severity, trails, and streams within the Sherwin Fire Boundary

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

Background: The following description is based on field reconnainance on August 8, 10, 13 and 14 by four specialists. The fire burned at mainly low to moderate severity through Jeffrey pine stands, with some small areas of sagebrush/bitterbrush. Initial values at risk include water quality in an unnamed tributary to Laurel Creek, slight trail destabilization, and noxious weed invasion by fire fighting equipment. Also, two heritage sites were at possible risk from erosion or hand/dozer lines.

B. Emergency Treatment Objectives:

1. The BAER team observed that most of the fire area burned at low severity, or was unburned along the unnamed tributary to Laurel Creek. We believe this will be adequate to mitigate any off-site erosion and sedimenation to this creek. There may be some increased ash and sediment into the creek during the first flushing flows, but it should be minimal and not able to be completely eliminated through any treatment.
2. The heritage sites were evaluated and found to not be at risk from effects of the fire.
3. We are proposing assessment of Noxious weeds with this report. It is unknown whether the fire fighting equipment was cleaned before the fire and some of the equipment came from out of the area, increasing the risk of off-site noxious weeds. The area, particularly the dozer lines near the YMCA camp, needs to be surveyed in the spring of next year. Any plants found would be pulled.
4. The

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

Land __ % Channel ___ % Roads/Trails ___ % Protection/Safety ___ %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land			
Channel			
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:

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

Team Leader: Todd Ellsworth

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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:

Channel Treatments:

Roads and Trail Treatments:

Protection/Safety Treatments:

1. *Noxious weeds*

Objective:
Evaluate and eliminate the potential for noxious weed establishment and spread, as a result of the fire.

Methods
The parking area and handline will be inspected for newly established weed occurences. Monitoring will including documentation and hand pulling new weed occurrence at the time of inspection, and subsequent entry into the FACTS database.

Surveys will occur once likely in June of 2007. If any plants are found and treated based upon the first year's survey, additional funds for continued survey and treatment may be requested in the future.

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 **Interim #**

Line Items	Units	Cost	Units	BAER $	$		units	$	Units	$	$
A. Land 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 Land Treatments				$0	$0			$0		$0	$0
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. Protection/Safety											
				$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											
Assessment				$800				$0		$0	$0
Noxious weeds	day	350	2	$700							
Insert new items above this line!				---	$0			$0		$0	$0
Subtotal Evaluation				---	$0			$0		$0	$0
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				$1,500	$0			**$0**		**$0**	**$0**
Previously approved											
Total for this request				**$1,500**							

PART VII - APPROVALS

1. /s/ Jim Upchurch 08/27/08
Forest Supervisor (signature) Date

2. */s/ Katherine Clement (for)* *9/3/08*
Regional Forester (signature) Date