

Date of Report: 08/06/02

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

A. Type of Report

- ☒ 1. Funding request for estimated WFSU-SULT funds
☐ 2. Accomplishment Report
☐ 3. No Treatment Recommendation

B. Type of Action

- ☒ 1. Initial Request (Best estimate of funds needed to complete eligible rehabilitation 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 DESCRIPTIONA. Fire Name: Cache MountainB. Fire Number: OR-DEF-985C. State: ORD. County: DeschutesE. Region: 06F. Forest: 01 DeschutesG. District: 05 SistersH. Date Fire Started: 07/23/2002I. Date Fire Contained: 08/01/2002J. Suppression Cost: 4.3 mm to date

K. Fire Suppression Damages Repaired with Suppression Funds

1. Fireline waterbarred (miles): 25.7 miles
2. Fireline seeded (miles):
3. Other (identify):

L. Watershed Number: 170703010

M. Total Acres Burned: 3894 acres__

NFS Acres(2,276) Other Federal () State () Private (1,618)

N. Vegetation Types: In upper elevations (4,000+ feet), there are mixed conifer stands of ponderosa and white pine, Douglas and Pacific silver fir, with manzanita, ceonothus and upland sedges in the understory. At lower elevations, there are juniper and ponderosa pine stands with bitterbrush and bunchgrass understory.

O. Dominant Soils: This area is predominantly volcanic ash flow and pyroclastics underlain in places by glacial till. Forest Service lands in the Cache Mountain area match well with the mapped units in the SRI and NRCS

soils surveys. The dominant soil series in this area is the Linkstery and Lundgren. Surface and subsurface texture are sandy loam and loamy sands with sand content (primarily fine sand) increasing with elevation towards the top of Cache Mountain.

P. Geologic Types: complex volcanics- basalt, andesite, rhyolite tuff, scorra, and glacial till

Q. Miles of Stream Channels by Order or Class: 4.1 miles of 2nd order.

R. Transportation System

Trails: 0 miles Roads: 39.0 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 3066 (low) 756 (moderate) 72 (high)

B. Water-Repellent Soil (acres): 0

C. Soil Erosion Hazard Rating (acres):
3441 (low) 190 (moderate) 263 (high)

D. Erosion Potential: 0.24 tons/acre

E. Sediment Potential: 12.3 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 2-10 yr

B. Design Chance of Success, (percent): 70

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

D. Design Storm Duration, (hours): 6

E. Design Storm Magnitude, (inches): 2.4

F. Design Flow, (cubic feet / second/ square mile): water flowed every 10-15 yr

G. Estimated Reduction in Infiltration, (percent): 10-20

H. Adjusted Design Flow, (cfs per square mile): water flowed every 7-10 yr

PART V - SUMMARY OF ANALYSIS

A. Describe Watershed Emergency:

Noxious weeds exist in portions of the fire area, most notably in areas adjacent to private property. These areas were disturbed during fire suppression activity, transporting weed seeds into previously uninfested Forest areas. Areas of moderate and high burn severity are highly susceptible to invasion by noxious weeds and other non-native invasives.

Soils in this area are highly porous and permeable, but can be easily eroded where you have concentration of flow from compaction or roads. We will be monitoring the area, and will request additional funds if we start to have erosion in any of these areas.

Terrestrial wildlife values include northern spotted owls, pine marten, and open ponderosa pine species, such as the white headed woodpecker. A Region 6 sensitive plant species, Peck's penstemon, is also present in the fire area.

B. Emergency Treatment Objectives:

Weeds: Reduce potential of weed spread with initial treatment to reduce/eliminate flowering plants (i.e., emergency seed reduction). Monitor disturbed fire areas for new weed infestations. Treat new and existing weed populations and monitor treatment effectiveness.

C. Probability of Completing Treatment Prior to First Major Damage-Producing Storm:

Land 80 % Channel % Roads % Other %

D. Probability of Treatment Success

Years after Treatment			
	1	3	5
Land	80	90	90
Channel			
Roads			
Other			

E. Cost of No-Action (Including Loss): est. cost to treat weeds in 5 years would be \$115,800 to \$231,160

F. Cost of Selected Alternative (Including Loss): \$34,596

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"/>
<input checked="" 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 checked="" type="checkbox"/> Ecology	<input checked="" type="checkbox"/> Botany	<input checked="" type="checkbox"/> Archaeology	<input type="checkbox"/>
<input checked="" type="checkbox"/> Fisheries	<input type="checkbox"/> Research	<input type="checkbox"/> Landscape Arch	<input checked="" type="checkbox"/> GIS	

Team Leader:

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:

Weeds: Initial treatment will be achieved by manual pulling. Herbicides will be used in subsequent years if needed.

Channel Treatments:

Roads and Trail Treatments:

Structures:

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.)

Weeds: Early detection and treatment of new weed populations and expansion of existing populations, and weed treatment effectiveness. Monitoring will occur at appropriate times to track development stages of the various weed species to determine need for and timing of treatments.

Additional detail may be found in the Botanical Report and the forthcoming monitoring plan from the district specialists.

Part VI – Emergency Rehabilitation Treatments and Source of Funds by Land Ownership

Line Items	Units	Unit Cost	# of Units	WFSU SULT \$	Other \$	# of units	Fed \$	# of Units	Non Fed \$	Total \$
A. Land Treatments										
weed treatment	acres	519	40	\$20,760	\$0		\$0		\$0	\$20,760
				\$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>				\$20,760	\$0		\$0		\$0	\$20,760
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. Structures										
				\$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										
personnel,p.d,veh.				\$11,436	\$0		\$0		\$0	\$11,436
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Evaluation</i>				\$11,436	\$0		\$0		\$0	\$11,436
F. Monitoring										
weeds veg. Trtmnts	years	800	3	\$2,400			\$0		\$0	\$2,400
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Monitoring</i>				\$2,400	\$0		\$0		\$0	\$2,400
G. Totals				\$34,596	\$0		\$0		\$0	\$34,596

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PART VII - APPROVALS

1. //Bob Flores for Leslie Welden
Forest Supervisor (signature)

Aug.7,2002
Date

2. _____
Regional Forester (signature)

Date