

Date of Report: 9/21/07

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: OTTER CREEK B. Fire Number: OR-UMF-000219
C. State: OREGON D. County: GRANT
E. Region: 6 F. Forest: 14 UMATILLA
G. District: NFJD H. Fire Incident Job Code: P6DW34
I. Date Fire Started: 08/15/07 J. Date Fire Contained: 09/09/07
K. Suppression Cost: \$4,151,602 (8/27/07)
L. Fire Suppression Damages Repaired with Suppression Funds
 1. Fireline waterbarred (miles):
 2. Fireline seeded (miles):
 3. Other (identify):
M. Watershed Number: 170702020 (NF John Day)
N. Total Acres Burned: 3039
 NFS Acres(**3039**) Other Federal () State () Private ()
O. Vegetation Types: moist Grand fir ; lodgepole; Douglas fir
P. Dominant Soils: volcanic ash mantled metavolcanics and tuffs
Q. Geologic Types: metavolcanics

R. Miles of Stream Channels by Order or Class:

S. Transportation System

Trails:___ miles Roads:___ miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 1028 (low/unb) 1147___ (moderate) 864 (high)

B. Water-Repellent Soil (acres): 0 (no increase)

C. Soil Erosion Hazard Rating (acres):
962 (low) 770 (moderate) 1307 (high)

D. Erosion Potential: _____ tons/acre

E. Sediment Potential: _____ cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

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

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

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

D. Design Storm Duration, (hours): _____

E. Design Storm Magnitude, (inches): _____

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

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

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

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

Road 5505 is a main access arterial for the district south of the North Fork John Day river. The primary portion of the fire that burned with High severity is above and below this road on the west end of the fire on very steep and intermittently unstable ground. Portions of this road have unstable fills and have had a history of failure. Drainage capacity and maintenance levels of the existing drainage structures is insufficient compared to potential increases in runoff and erosion/sediment loads in the immediate area. Immediately downslope is the North Fork John Day river with critical habitat for anadromous and local fish populations.

B. Emergency Treatment Objectives:

Improve drainage capacity and stability of key sections of the road and immediate adjacent cut and fills.

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:

<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 checked="" 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	

Team Leader:___ Craig Busskohl

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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:

Road 5505- Critical road crossings with or without culverts would be treated to improve drainage and harden against storm damage. This could include culvert replacement and installation of drivable dips, culvert removal and installation of rocked dips, inlet and outlet cleaning and improvement.

Hydromulching of cut and fill slopes and adjacent areas would occur in these same critical sections of the 5505 road to reduce erosion and sedimentation production from this area which could further compound risk of culvert failures and added downslope movement of sediment into the John Day River.

Protection/Safety Treatments:

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.)

First year monitoring would assess the efficacy of the treatments and need for more treatments. Additionally, monitoring would allow observation of the choice of no treatment on the majority of the fire area.

Part VI – Emergency Stabilization Treatments and Source of Funds

Interim #

				\$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										
Road 5505 drainage	ea	3500	5	\$17,500	\$0		\$0		\$0	\$17,500
Rd 5505 hydromulch	ea	5000	1	\$5,000	\$0		\$0		\$0	\$5,000
Contract admin. 15%	yr	3375	1	\$3,375	\$0		\$0		\$0	\$3,375
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Road & Trails</i>				\$25,875	\$0		\$0		\$0	\$25,875
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										
				\$3,650			\$0		\$0	\$0
<i>Insert new items above this line!</i>				---	\$0		\$0		\$0	\$0
<i>Subtotal Evaluation</i>				---	\$0		\$0		\$0	\$0
F. Monitoring										
				\$1,750	\$0		\$0		\$0	\$1,750
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Monitoring</i>				\$1,750	\$0		\$0		\$0	\$1,750
G. Totals				\$27,625	\$0		\$0		\$0	\$27,625
Previously approved										
Total for this request				\$27,625						

PART VII - APPROVALS

1. /s/ Kevin Martin
Forest Supervisor (signature)

10/1/2007
Date

2. _____
Regional Forester (signature)

Date