

Date of Report: 10/29/2010

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:** Bighorn**B. Fire Number:** ID-SCF-010169**C. State:** Idaho**D. County:** Lemhi**E. Region:** 4**F. Forest:** Salmon-Challis N.F.**G. District:** North Fork**H. Fire Incident Job Code:** P4FN5V**I. Date Fire Started:** July 25, 2010**J. Date Fire Contained:** controlled 09/16/2010 in monitor status until significant winter weather event.**K. Suppression Cost:** \$455,000**L. Fire Suppression Damages Repaired with Suppression Funds**

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

M. Watershed Number: 170602061001 Ship Island Creek-Middle Fork Salmon River**N. Total Acres Burned:** 1,128NFS Acres(1,128) Other Federal () State () Private ()**O. Vegetation Types:** Ponderosa Pine /Blue Bunch Wheat Grass, Douglas Fir /Mountain Mahogany**P. Dominant Soils:** Shallow to moderately deep loamy sands discontinuous because of extremely large volume of rock outcrop

Q. Geologic Types: Rocky, steep canyonlands in granitics, hot and dry slopes

R. Miles of Stream Channels by Order or Class: Perennial 1st order 2.5 miles, Intermittent 2 miles

S. Transportation System

Trails: 0 miles Roads: 0 miles River: 2.5 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 451 acres (low) 113 acres (moderate) 0 acres (high) 564 acres (unburned)

B. Water-Repellent Soil (acres): <1%

C. Soil Erosion Hazard Rating (acres):
451 acres (low) 113 acres (moderate) 0 acres (high)

D. Erosion Potential: 15 to 20 tons/acre

E. Sediment Potential: 2500 to 3000 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 3-5

B. Design Chance of Success, (percent): N/A

C. Equivalent Design Recurrence Interval, (years): N/A

D. Design Storm Duration, (hours): N/A

E. Design Storm Magnitude, (inches): N/A

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

G. Estimated Reduction in Infiltration, (percent): N/A

H. Adjusted Design Flow, (cfs per square mile): N/A

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

The Bighorn Fire burned over 1000 acres. All of these acres are on the Salmon-Challis National Forest within the Frank Church River of No Return Wilderness. The fire does not appear to have burned very intensely and most indications are that it will be an environmentally beneficial fire at the ecosystem level. However, invasive species present a concern with respect to the goal of maintaining desirable plant communities in order to maintain the structure and function of the local ecosystem.

B. Emergency Treatment Objectives:

Locate and treat new and known invasive plant species infestations during early stages of spread in ecologically sensitive burned areas in order to maintain the structure and function of the local ecosystem.

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

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

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land	90	70	50
Channel			
Roads/Trails			
Protection/Safety			

E. Cost of No-Action (Including Loss):

Year	Exponential growth factor	Cost
1	1	\$7,492
2	2	\$14,984
3	4	\$29,968
4	8	\$59,936
5	16	\$119,872

F. Cost of Selected Alternative (Including Loss): **Implied Minimum Value = (Treatment cost 7,492)/(Prob. 0.85 loss occurring with no treatment – Prob. 0.25 loss occurring with proposed treatment) = \$12,486**

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 type="checkbox"/> Forestry	<input type="checkbox"/> Wildlife	<input type="checkbox"/> Fire Mgmt.	<input 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 checked="" type="checkbox"/> GIS	

Team Leader: **David Deschaine**

Email: **dpdeschaine@fs.fed.us**

Phone: **208-756-5171**

FAX: **208-765-5151**

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:

Description- Due to the potential for invasive species spread and adverse impact on the ecological structure and function of the local ecosystem, two site visits are needed during the 2011 growing season in an effort to perform Early Detection Rapid Response (EDRR) and control known infestations with a focus on limiting expansion of these sites into the area disturbed by the Bighorn Fire.

The fire area is characterized by the presence of multiple known existing infestations as well as important vectors. The area more generally is characterized by extreme difficulty in accessing these sites and this fire area. The Middle Fork Salmon River Corridor is virtually the only means by which to approach these infestations. There are at least 7 infestations within the fire area, with primary vectors as well as susceptible landscapes being the river camps themselves, of which there are five.

Location- Middle Fork Salmon River Corridor from Big creek to the end of the Bighorn fire area 2.5 miles downstream..

Design- Perform Early Detection Rapid Response to Locate and treat new and known invasive plant species infestations during early stages of spread in ecologically sensitive burned areas in order to maintain the structure and function of the local ecosystem.

Purpose- Locate and treat new and known invasive plant species infestations during early stages of spread in ecologically sensitive burned areas in order to maintain the structure and function of the local ecosystem.

Channel Treatments:

N/A

Roads and Trail Treatments:

N/A

Protection/Safety Treatments:

N/A

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

Line Items	Units	Unit Cost	NFS Lands		Other \$	Other Lands			All Total \$
			# of Units	BAER \$		# of units	Fed \$	# of Units Non Fed \$	
A. Land Treatments									
<i>Insert new items above this line!</i>				\$0	\$0		\$0	\$0	\$0
<i>Subtotal Land Treatments</i>				\$0	\$0		\$0	\$0	\$0
B. Channel Treatments									
<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									
<i>Insert new items above this line!</i>				\$0	\$0		\$0	\$0	\$0
<i>Subtotal Road & Trails</i>				\$0	\$0		\$0	\$0	\$0
D. Protection/Safety									
<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									
Deschaine, David	Days	\$351.40	1	\$351	\$0				
Gionet, Thomas	Days	\$284.33	1	\$284	\$0		\$0	\$0	\$0
				\$0	\$0				
<i>Insert new items above this line!</i>							\$0	\$0	\$0
<i>Subtotal Evaluation</i>				\$636	\$0		\$0	\$0	\$0
F. Monitoring									
Gionet, Thomas	Days	\$284.33	0.5	\$142	\$0		\$0	\$0	\$142
Mallek, Maritza	Days	\$130.00	10	\$1,300	\$0		\$0	\$0	\$1,300
Pierson, Bryan	Days	\$103.00	10	\$1,030			\$0	\$0	\$1,030
Montelius, Matt	Days	\$103.00	10	\$1,030	\$0		\$0	\$0	\$1,030
Boat Crew GS-6	Days	\$145.00	8	\$1,160			\$0	\$0	\$1,160
Boat Crew GS-6	Days	\$145.00	8	\$1,160			\$0	\$0	\$1,160
Per diem	Days	\$117.00	10	\$1,170			\$0	\$0	\$1,170
Herbicide, Adjuvants, PF	Job	\$100.00	1	\$100			\$0	\$0	\$100
Flight	Trip	\$400.00	2	\$800			\$0	\$0	\$800
<i>Insert new items above this line!</i>				\$0	\$0		\$0	\$0	\$0
<i>Subtotal Monitoring</i>				\$7,892	\$0		\$0	\$0	\$0
G. Totals				\$7,892	\$0		\$0	\$0	\$0
Previously approved									
Total for this request				\$7,892					

PART VII - APPROVALS

1. /s/Larry Svalberg
Forest Supervisor (signature)

October 28, 2010____
Date

2. _____
Regional Forester (signature)

Date