

Date of Report: 8/24/2011

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: Van Creek Fire B. Fire Number: ID NPF 000284
C. State: Idaho D. County: Idaho
E. Region: R1 F. Forest: Nez Perce NF
G. District: Salmon River RD H. Fire Incident Job Code: P1F9SS
I. Date Fire Started: 8/6/2011 J. Date Fire Contained: 8/11/2011
K. Suppression Cost: \$1,083,397.00 (to date)
L. Fire Suppression Damages Repaired with Suppression Funds
 1. Fireline waterbarred (miles): 1.5 miles
 2. Fireline seeded (miles): 0
 3. Other (identify):
M. Watershed Number: 17060209-0204
N. Total Acres Burned: 375
 NFS Acres(375) Other Federal (0) State (0) Private (0)
O. Vegetation Types: Ponderosa Pine grassland (Fuel Model 2)
P. Dominant Soils: Gravelly loam over bedrock.
Q. Geologic Types: Granitic

R. Miles of Stream Channels by Order or Class:

1.5 miles of 3rd Order stream (Allison Creek) is outside the perimeter, but below the fire.

S. Transportation System

Trails: 0 miles Roads: 0.3 miles within the perimeter. (Three miles adjacent to the perimeter).

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 90% (low) 10% (moderate) (high)

B. Water-Repellent Soil (acres):

C. Soil Erosion Hazard Rating (acres):
90% (low) 10% (moderate) (high)

D. Erosion Potential na tons/acre

E. Sediment Potential na cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 1-3

Unburned to Low Severity Burn Areas: In areas where the soil burn severity was unburned to low, recovery would generally be expected to occur within one growing season. Vegetative recovery is considered to be any vegetation which providing more than 80% cover which effectively intercepts rainfall and provides an extensive root mass. These unburned to low severity burn areas are expected to maintain adequate live tree stocking levels and associated understory vegetation in most cases, but not all as mentioned above. Tree mortality is expected to average less than 15% in these areas, ranging from 0% to 30%. Most of the needles remain on the trees, with some having turned red as a result of the burn effects. Perennial grasses, forbs, and shrubs generally will resprout after low severity burns and a duff/litter layer will reform within several years. Vegetative recovery will vary from 0 to 3 years.

Moderate Severity Burn Areas: In areas where the soil burn severity was moderate, the majority of the trees are expected to die as a direct result of the fire, with mortality ranging from 20% to 60%. Most of the needles remain on the trees, but have turned red as a result of the burn effects. Tree planting may occur on National Forest System Lands. All areas requiring tree planting on National Forest Lands will have trees established and free to grow within five growing seasons. Vegetative recovery will vary from 1-10 years. Existing seed from shrubs, forbs, and grasses stored deeper in the soil, will provide some vegetative recovery in these areas.

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

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

D. Design Storm Duration, (hours): na

E. Design Storm Magnitude, (inches):

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

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

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

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

Natural resources Critical Values: Native or naturalized communities on NFS lands where invasive species or noxious weeds are absent or present in only minor amounts. Four sites of priority weeds (Spotted Knapweed, Canadian Thistle, Scotch CottonThistle, and Rush Skeletonweed) are known to be close to or within the perimeter.

Risk Assessment:

Probability of damage or loss; Likely
Magnitude of Consequences: Moderate
Risk Assessment: High

B. Emergency Treatment Objectives:

Inventory and treat noxious invasive weeds on firelines, roads and within the fire perimeter. Inventory would cover 100% of the burned area (375 Acres). Treatment of weeds is estimated on 40 acres.

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

Land 90% % Channel na % Roads/Trails 90% % Protection/Safety na %

Impacts of chemical application have been analyzed under a previous forestwide nepa project, and will be carried out as part of the ongoing program of weed treatment on the Nez Perce National Forest.

D. Probability of Treatment Success

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

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

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

☒ Hydrology ☐ Soils ☐ Geology ☒ Range ☐
☐ Forestry ☐ Wildlife ☐ Fire Mgmt. ☐ Engineering ☐

☐ Contracting ☐ Ecology ☐ Botany ☐ Archaeology ☐
☐ Fisheries ☐ Research ☐ Landscape Arch ☐ GIS

Team Leader: James Paradiso

Email: jparadiso@fs.fed.us

Phone: 208-839-2123

FAX: 208-839-2730

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:

Inventory and treat noxious invasive weeds on firelines and within the fire perimeter and on roads within and adjacent to the fire perimeter

Channel Treatments:

None.

Roads and Trail Treatments:

See land treatments, above.

Protection/Safety Treatments:

None.

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.)

The monitoring of noxious weeds is ongoing. The Nez Perce NF is a fully cooperating partner in the Salmon River Weed Management Area (WMA). Noxious Weeds are prioritized annually for treatment under the WMA Operating Plan. Application of treatment chemical is currently approved under the NPNF Noxious Weed Control Program EA (1988) and Biological Opinions (BO) by the National Marine Fisheries Service (2009) and the US Dept Interior, Fish and Wildlife Service (2008).

Part VI – Emergency Stabilization Treatments and Source of Funds

Interim #

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									
Weed Inventory	acre	2	375	\$750	\$0		\$0	\$0	\$750
Weed Treatment	acre	50	40	\$2,000	\$0		\$0	\$0	\$2,000
				\$0	\$0		\$0	\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0	\$0	\$0
<i>Subtotal Land Treatments</i>				\$2,750	\$0		\$0	\$0	\$2,750
B. Channel Treatments									
				\$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
<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									
				\$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									
Baer Team	day	340	3	---	\$720		\$0	\$0	\$720
<i>Insert new items above this line!</i>				---	\$0		\$0	\$0	\$0
<i>Subtotal Evaluation</i>				---	\$720		\$0	\$0	\$720
F. Monitoring									
				\$0	\$0		\$0	\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0	\$0	\$0
<i>Subtotal Monitoring</i>				\$0	\$0		\$0	\$0	\$0
G. Totals				\$2,750	\$720		\$0	\$0	\$3,470
Previously approved									
Total for this request				\$2,750					

PART VII - APPROVALS

 1. _____
 Forest Supervisor (signature)

 Date

 2. _____
 Regional Forester (signature)

 Date