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

[ ] 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: Porcupine Fire

B. Fire Number: ID-NPF-000076

C. State: ID

D. County: Idaho

E. Region: 1

F. Forest: Nez Perce

G. District: Red River

H. Fire Incident Job Code: P1EG7M

I. Date Fire Started: 8/18/2008

J. Date Fire Contained: est 10/1/2008

K. Suppression Cost: $551,740 as of 8/21/2008

L. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles): 0.75 miles
2. Fireline seeded (miles):
3. Other (identify):

M. Watershed Number: 1706020704-04 385 acres, 1706020704-27 814 acres, 1706020704-30 61 acres, 1706030202-13 582 acres, 17060230202-14 388 acres

N. Total Acres Burned: 2231 acres
NFS Acres(2231 acres) Other Federal ( ) State ( ) Private ( )

O. Vegetation Types: Grand fir/ beargrass/Lodgepole pine

P. Dominant Soils: Andic Cryochrepts and Entic Chryochrepts

Q. Geologic Types: Idaho Batholith, granodiorite

R. Miles of Stream Channels by Order or Class: Stream Order 1 3.86 miles, Stream Order 2 .18 miles

S. Transportation System

Trails: 0.0 miles Roads: 4.8 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 237 (11%) (low) 535 (24%) (moderate) 676 (30%) (high)

B. Water-Repellent Soil (29%):

C. Soil Erosion Hazard Rating (acres):
258 acres (low) 1789 acres (moderate) 185 acres (high)

D. Erosion Potential: 0.17 tons/acre

E. Sediment Potential: 0.01 tons/acre

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 30

B. Design Chance of Success, (percent): 80

C. Equivalent Design Recurrence Interval, (years): 10

D. Design Storm Duration, (hours): 24

E. Design Storm Magnitude, (inches): 2.8

F. Design Flow, (cubic feet / second/ square mile): 21.4

G. Estimated Reduction in Infiltration, (percent): 30

H. Adjusted Design Flow, (cfs per square mile): 39.1

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

The Porcupine Fire started on 8/18/2008 burning at moderate and high severities. Thirty percent of the fire burned at high severity and 24 percent burned at moderate severity. The total fire burned 2231 acres, which is considered small when compared to the fires of 2007. The fire burned next to the Poet Fire of 2003 with a small portion of the Poet fire burning again. There are no major threats to life and property or watersheds identified by the Porcupine Fire BAER Team, except for weed spread.

InvasiveWeeds

The values at risk of threat to ecosystem integrity of the native plant community. Highly susceptible habitat, existing infestations and exposed mineral soils along roads, trails, fire lines and camps greatly increase the risk of invasive weed spread as a result of fire disturbance. The risk of weed spread has increased within the roaded portion of the Porcupine Fire due to the interaction of the weed expansion factors.

Inventories have found Spotted knapweed (Centaurea maculosa), and Canada thistle (Cirsium arvense) within the fire perimeter. During the BAER team evaluation of the Porcupine fire, a small population of Dalmation toadflax (Linaria dalmatica) was found on spur road # 285B.

B. Emergency Treatment Objectives:
The purpose of this treatment is to protect the Value at Risk, which is the native plant population.

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	60	90	
Channel			
Roads/Trails			
Protection/Safety			

E. Cost of No-Action (Including Loss): Cost of not spraying 300 acres of weeds could lead to an infestation o noxious weed over the fire of around 2000 acres. The cost of treating these weeds at a later date twice ayear would be around $50,000 and this would also include loss of native plant populations.

F. Cost of Selected Alternative (Including Loss): $6400.00

G. Skills Represented on Burned-Area Survey Team:

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

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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:

Weed management strategy within the Clearwater River Basin Weed Management Area, an interagency cooperative, is currently in place. Concurrence of a BA for Noxious Weed Control has been received from Fish and Wildlife Service and is pending from National Marine Fisheries Service. Herbicide application will follow the requirements and mitigation outlined in the Biological Assessment.

- Treat satellite infestations of spotted knapweed along Roads 468 and 285 leading into the burned area. The knapweed population along the road system is contributing a seed source and the road system is acting as a spread corridor for further expansion into the burned areas.
- Treat newly discovered population of dalmation toadflax along spur road #285B.
- Treat all new invasive weeds within and adjacent to the fire perimeter at trailheads and ATV access points.
- Monitor weed spread within the fire perimeters to determine if the combination of fire disturbance and susceptible habitat facilitates weed spread or increases weed densities.

Channel Treatments:

Roads and Trail Treatments:

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.)

Weed Monitoring 2 days X $400/day (2 person crew) X 2 samplings= $1,600.

Part VI – Emergency Stabilization Treatments and Source of Funds **Interim #**

			NFS Lands				Other Lands			
		Unit	# of		Other	# of	Fed	# of	Non Fed	Total
Line Items	Units	Cost	Units	BAER $	$	units	$	Units	$	$
A. Land Treatments										
Weed Treatments	Acre	300	16	$4,800	$0		$0		$0	$4,800
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Land Treatments				$4,800	$0		$0		$0	$4,800
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										
				---			$0		$0	$0
Insert new items above this lin	days	1600	2	---	$3,200		$0		$0	$3,200
Subtotal Evaluation				---	$3,200		$0		$0	$3,200
F. Monitoring										
Weed Treatments	Days	400	4	$1,600	$0		$0		$0	$1,600
2 samplings				$0	$0		$0		$0	$0
Subtotal Monitoring				$1,600	$0		$0		$0	$1,600
G. Totals				$6,400	$3,200		**$0**		**$0**	**$9,600**
Previously approved										
Total for this request				**$6,400**	$3,200					$9,600

PART VII - APPROVALS

1. /s/ Ralph E. Rau "for" — 10-06-2008
   Forest Supervisor (signature) — Date

2. _____ — _____
   Regional Forester (signature) — Date