USDA-FOREST SERVICE FS-2500-8 (7/00)

Date of Report: 11/29/01

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

[x] 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)

[X] 2. Interim Report
[X] 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: Helen Creek and Lewis Creek

B. Fire Numbers: Helen Creek = P10100
Lewis Creek = G14142

C. State: MT

D. County: Flathead

E. Region: 1

F. Forest: Flathead National Forest

G. District: Spotted Bear

H. Date Fire Started: Helen Creek 7/26/00,
Lewis Creek 7/11/00

I. Date Fire Contained: not applicable

J. Suppression Cost:

K. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles):
2. Fireline seeded (miles):
3. Other (identify): admin site restoration (unwrap/hose lays/pumps/packing support)

L. Watershed Number: 17 01 02 09 03 04 and 17 01 02 09 03 06

M. Total Acres Burned:
NFS Acres (2989) Other Federal (0) State (0) Private (0)

N. Vegetation Types: Subalpine fir, Douglas-fir, Western Larch, Lodgepole pine, Mixed mesic forest, and Whitebark pine. All Abies lasiocarpa Habitat type.

O. Dominant Soils: The dominant soils are moderately deep to deep gavelly medium textured inceptisols or alfisols. These soils occur on steep to moderate sloping, glacial landscapes.

P. Geologic Types: Metasedimentry Precambrian argillites, siltites, and limestone residual parent materials with deposits of glacial till and glacial outwash derived from the same bedrock materials.

Q. Miles of Stream Channels by Order or Class: 1st= 13, 2nd= 2, 3rd= 6

R. Transportation System

System Trails: 15.4 miles Roads: 0 miles
Outfitter Access Trails to camp locations 2.0 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 1532 (low) 936 (moderate) 521 (high)

B. Water-Repellent Soil (acres): 26

C. Soil Erosion Hazard Rating (acres):
57 (low) 2932 (moderate) 0 (high)

D. Erosion Potential: 9.9 tons/acre

E. Sediment Potential: 302 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period,

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 Watershed Emergency:

Watershed Emergency NA

Trails Emergency: NA

Fisheries Emergency: NA

Noxious Weed Emergency: NA

Vegetation Emergency NA

B. Emergency Treatment Objectives:

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

Land **75** % Channel **n/a** % Trails **75** % Other **n/a** %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land	100	100	100
Channel	n/a		
Trails	100	100	100
Other	n/a		

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

Consequences of not doing this work are significant – as it relates to maintaining surface material on trails, maintaining soil productivity downslope of trails, protecting water and fish resources, and providing for trail user safety.

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

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

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H. **Treatment Narrative: The treatments carried out under the initial BAER request were more than originally estimated. Thus we are submitting a request for $2700 to cover this cost.**

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										
				$0			$0			
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Land Treatments				$0			$0		$0	
B. Channel Treatments										
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Channel Treat.				$0			$0		$0	$0
C. Road and Trails										
Work on trails	miles	12	225	$2,700			$0		$0	$2,700
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Road & Trails				$2,700			$0		$0	$2,700
D. Structures										
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Structures				$0			$0		$0	$0
E. BAER Evaluation										
				$0			$0		$0	$0
				$0			$0		$0	$0
F. Monitoring				$0			$0		$0	$0
G. Totals				**$2,700**			**$0**		**$0**	**$2,700**

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PART VII - APPROVALS

1. /s/ Catherine Barbouletos
Forest Supervisor (signature) Date Dec. 3, 2001

2. _____ _____

Regional Forester (signature) Date