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

Date of Report: August 8, 2003

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

[ ] 1. Funding request for estimated WFSU-SULT funds
[ ] 2. Accomplishment Report
[X] 3. No Treatment Recommendation

B. Type of Action

[X] 1. Initial Request (Best estimate of funds needed to complete eligible rehabilitation 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: Crystal Creek

B. Fire Number: P46051

C. State: Idaho

D. County: Custer

E. Region: 04

F. Forest: Salmon-Challis

G. District: Middle Fork RD

H. Date Fire Started: 7/20/03

I. Date Fire Contained: 8/4/03

J. Suppression Cost: as of 8/1/03 = $1.5 million

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

L. Watershed Number: 1706020505

M. Total Acres Burned: 1,319
NFS Acres(x) Other Federal ( ) State ( ) Private ( )

N. Vegetation Types: Sub-alpine fir, some Douglas-fir, lodgepole pine, Idaho fescue, bitterbrush, sedges, some willows

O. Dominant Soils: Granitic:Moderately Dissected Cryoplanated Mountain Sideslopes, Glacial Lateral and Terminal Moraines, and Glacial Outwash and Ground Moraines- Moderately Deep to Deep-Loamy-Skeletal and Sandy-Skeletal Soils;

P. Geologic Types: Granitic

Q. Miles of Stream Channels by Order or Class:

R. Transportation System

Trails: _ miles Roads: _ miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 523 (low) 791 (moderate) 5 (high)

B. Water-Repellent Soil (acres):

C. Soil Erosion Hazard Rating (acres):
___ (low) ___ (moderate) ___ (high)

D. Erosion Potential: ____ tons/acre

E. Sediment Potential: ____ cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 2-5

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:

NONE- This is a lightning-caused fire within the Frank Church-River of No Return Wilderness. Information for this report was obtained from the Resource Advisor assigned to the fire and the District Wilderness Ranger. The fire was burning about 1 mile from the eastern wilderness boundary along Beaver Creek and suppression was required to keep the fire from spotting outsde the wilderness. Joey Vacirca, Resource Advisor (Fish Biologist) said that there was a lot of torching and ground running and very little crowning of the fire. There are no concerns from fisheries due to the stair steep pools in Crystal and Prospect Creeks. There were “no redds” identified in Beaver Creek. The only resource concern was the fire retardant drops that went across the

creeks, but the fishery biologist said that it did not create any detrimental impacts. Laurie Matthews, Wilderness Ranger for the Middle Fork Ranger District walked the west and east perimeters of the fire and stated that it looked like a very beneficial fire for the drainage, opening up some very dense stands of solid lodgepole pine.

Special tactics were employed for this fire since it was in the Frank Church-River of No Return Wilderness. After first considering safety to the public and firefighters, all suppression actions were to utilize minimum impact suppression tactics that are designed to reduce impacts to wilderness values and minimize long-term evidence of suppression activities. These methods included using natural features, such as rock outcroppings as fire lines, cutting only trees that are saftey hazards or a risk of falling over the fire line and spreading the fire, using water to cool the fire instead of digging a fire line. Special care was taken in the riparian areas to ensure protection of habitat for bull trout, steelhead and Chinook salmon.

B. Emergency Treatment Objectives:

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

Land __ % Channel __ % Roads __ % Other __ %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land			
Channel			
Roads			
Other			

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

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

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

Channel Treatments:

Roads and Trail Treatments:

Structures:

H. **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 Rehabilitation Treatments and Source of Funds by Land Ownership

			NFS Lands				Other Lands			All
		Unit	# of	WFSU	Other	# of	Fed	# of	Non Fed	Total
Line Items	Units	Cost	Units	SULT $	$	units	$	Units	$	$
A. Land Treatments										
				$0			$0		$0	$0
				$0			$0			
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Land Treatments				$0			$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										
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Road & Trails				$0			$0		$0	$0
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
G. Monitoring Cost				$0			$0		$0	$0
H. Totals				**$0**			**$0**		**$0**	**$0**

PART VII - APPROVALS

1. _____ _____
Forest Supervisor (signature) Date

2. _____ _____
Regional Forester (signature) Date