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

Date of Report: Sept. 2, 2005

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 – No funds requested

[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: China-Ten

B. Fire Number: ID- NPF-000060

C. State: Idaho

D. County: Idaho

E. Region: 01 (Northern)

F. Forest: Nez Perce

G. District: Clearwater (04)

H. Date Fire Started: August 9, 2005

I. Date Fire Contained: August 23, 2005

J. Suppression Cost: $5,000,000+ to date

K. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles): 1.0 mile machine line obliterated and 10 miles of hand line
2. Fireline seeded (miles): None
3. Other (identify): Dip sites, pumping sites, safety zone and helispot restored

L. Watershed Number: 170603051605 – Silver Creek, 170603050706 – Peasley Creek, and 170603050705 – Meadow Creek

M. Total Acres Burned: 1859
NFS Acres(1764) Other Federal ( ) State ( ) Private ( )

N. Vegetation Types: Spruce-fir

O. Dominant Soils: Andic Cryochrepts and Entic Cryandepts

P. Geologic Types: Granodiorite, quartzite, and schist

Q. Miles of Stream Channels by Order or Class: 2.1 miles 1st order, .6 miles 2nd order

R. Transportation System

Trails: 3.5 miles Roads: .9 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 254 (14%) (low) 592 (34%) (moderate) 122 (7%) (high) and 796 (45%) unburned

B. Water-Repellent Soil (acres): 561 (58% of actual burned acres). Unburned soils are similarly water repellent.

C. Soil Erosion Hazard Rating (acres):
1085 (62%) (low) 232 (13%) (moderate) 194 (11%) (high)

D. Erosion Potential: 0.39 tons/acre

E. Sediment Potential: 0.06 tons/acre . Sediment potential is estimated to be low because the fire is a ridge top fire with low and moderate delivery efficiency to first order streams. Most riparian areas burned at low severity or not at all.

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 25

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): 11.9

G. Estimated Reduction in Infiltration, (percent): 0

H. Adjusted Design Flow, (cfs per square mile): 16.8

PART V - SUMMARY OF ANALYSIS

A. Describe Watershed Emergency:
Threat to federal property: Potential loss of trail tread or drainage structures due to increased runoff or sloughing on 3.5 miles of trail.

B. Emergency Treatment Objectives: Control of post-fire erosion on trail system, and avoiding loss of trail infrastructure.

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

Land __ % Channel ___ % Roads ___ % Other **90** %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land			
Channel			
Roads	90	95	100
Other			

E. Cost of No-Action (Including Loss): Loss of trail would entail $17,500 trail reconstruction.

F. Cost of Selected Alternative (Including Loss): $6,400

G. Skills Represented on Burned-Area Survey Team:

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

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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: Install waterbars, drain dips, and other drainage improvements on 3.5 miles of trail. Stabilize150 feet of abandoned oversteepened tread that is at risk of erosion.

Structures:

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 Rehabilitation Treatments and Source of Funds by Land Ownership

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										
trail drainage work	miles	1857	3.5	$6,500	$0		$0		$0	$6,500
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Road & Trails				$6,500	$0		$0		$0	$6,500
D. Structures										
				$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										
Salary	days	300	6	$1,800	$0		$0		$0	$1,800
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Evaluation				$1,800	$0		$0		$0	$1,800
F. Monitoring										
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Monitoring				$0	$0		$0		$0	$0
G. Totals				**$8,300**	**$0**		**$0**		**$0**	**$8,300**

PART VII - APPROVALS

1. _____ _____
Forest Supervisor (signature) Date

2. _____ _____
Regional Forester (signature) Date