

Date of Report: 10/4/94BURNED-AREA REPORT
(Reference FSH 2509.13)PART I - TYPE OF REQUEST

A. Type of Report

- ☐ 1. Funding request for estimated EFFF-FW22 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)
☐ 2. Interim Report
 ☐ Updating the initial funding request based on more accurate site data and design analysis
 ☐ Status of accomplishments to date
☐ 3. Final report - following completion of work

PART II - BURNED-AREA DESCRIPTION

- A. Fire Name: Ward Mtn B. Fire Number: MT-BRF-11156
C. State: Montana D. County: Ravalli
E. Region: R1 F. Forest: Bitterroot
G. District: Darby
H. Date Fire Started: 9/25/94 I. Date Fire Controlled: 10/2/94
J. Suppression Cost: \$1,122,237 as of 10/2/94
K. Fire Suppression Damages Repaired with EFFF-PF12 Funds:
 1. Fireline waterbarred (miles) 7 est.
 2. Fireline seeded (miles) 0
 3. Other (identify) 1 base camp, a helibase, 1 trail, 3 helispots
L. Watershed Number: 17010205C
M. NFS Acres Burned: 284 Total Acres Burned: 284 (750 bounded)
 Ownership type:
 () State () BLM () PVT () _____
N. Vegetation Types: Douglas fir ninebark & huckleberry
 subalpine fir beargrass & woodrush
O. Dominant Soils: loamy skeletal, mixed Typic Ustochrepts
 loamy skeletal, mixed Andic Cryochrepts
P. Geologic Types: gneiss
 granite
Q. Miles of Stream Channels by Order or Class:
 0.9 of 1st
R. Transportation System:
 Trails: 1 miles Roads: none miles

PART III - WATERSHED CONDITION

- A. Fire Intensity (acres): 101 (low) 66 (moderate) 117 (high)
- B. Water-Repellent Soil (acres): 201
- C. Soil Erosion Hazard Rating (acres):
101 (low) 82 (moderate) 101 (high)
- D. Erosion Potential: 40 tons/acre
- E. Sediment Potential: 1300 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

- A. Estimated Vegetative Recovery Period: _____ years
- 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 per second per square mile
- G. Estimated Reduction in Infiltration: _____ percent
- H. Adjusted Design Flow: _____ cubic feet per second per square mile

PART V - SUMMARY OF ANALYSIS

A. Describe Watershed Emergency:

Area soils are naturally hydrophobic when dry. Burning duff & litter makes soils very hydrophobic. Light to moderate intensity burn soils have snow cover from storms October 2 & 3, 1994, and are expected to infiltrate water by next spring's snowmelt and rains. High intensity burn area ashcap soils may take more than one season to absorb water. 11% of Judd Creek and 4% of North Fork Ward Creek have high intensity burn soils. Soil loss potential of 1/4 inch with infrequent high intensity rain is within natural fire and erosion cycles for the landscape. Judd and North Ward Creek have no known fishery, and main water use is downstream suburban type wooded tracts' irrigation. About a mile downstream of the burn a private road dams a 1/3 acre pond with 30 inch culvert outflow on Judd Creek, and a private road 18 inch culvert is on North Ward Creek. Woody debris is common in the burn area to slow water and trap sediment. Beargrass, willow, alder, and other understory vegetation on burn will resprout rapidly for watershed protection. Most of Judd Creek stream bottom was unburned to lightly burned. There is a small high intensity burn area in the draw above the defined North Ward Creek channel, but the majority of that stream bottom is either unburned or lightly burned. Risk of a burn area infrequent intense rain storm causing downstream failure of Judd Creek or North Ward Creek culverts is low.

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:

<input checked="" type="checkbox"/> Hydrology	<input checked="" type="checkbox"/> Soils	<input type="checkbox"/> Geology	<input type="checkbox"/> Range
<input type="checkbox"/> Timber	<input type="checkbox"/> Wildlife	<input type="checkbox"/> Fire Mgmt.	<input type="checkbox"/> Engineering
<input type="checkbox"/> Contracting	<input checked="" type="checkbox"/> Ecology	<input type="checkbox"/> Research	<input type="checkbox"/> Archaeology
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____

Team Leader: Bob Hammer

Phone: 406 363-7109 Electronic Address: R01F03A

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.

PART VI - EMERGENCY REHABILITATION TREATMENTS AND SOURCE OF FUNDS BY LAND OWNERSHIP

Line Items	Units	Unit Cost \$	NFS Lands			Other Lands			All
			Number of Units	EFFS- FW22 \$	Other \$ ident.	Number of Units	Fed \$ ident.	Non-Fed \$ ident.	Total \$
A. LAND TREATMENTS									
B. CHANNEL TREATMENTS									
C. ROADS AND TRAILS									
D. STRUCTURES									
E. BAER EVALUATION/ ADMINISTRATIVE SUPPORT									
F. TOTALS									

PART VII - APPROVALS

1. Stephen K. Kelly 10/4/94
Forest Supervisor Date

2. _____ _____
Regional Forester Date