USDA-FOREST SERVICE Date of Report: SEPT, 14, 1990

BURNED AREA REPORT
(Reference FSH 2509.13, Report FS-2500-8)

PART I - TYPE OF REQUEST

1. Type of Report

[X] A. Funding (Request for estimated NFFF-FW22 funds)
[ ] B. Accomplishment Report

2. Type of Action

[ ] A. Initial (estimated funding is first requested)
[X] B. Interim

a. [X] Updating the initial funding request.
b. [ ] Supplying information for accomplishments to date on emergency work underway.

[ ] C. Final

a. [ ] Best estimate for funds needed to complete eligible
b. rehabilitation measure.
[ ] Following completion of funded work.

PART II - FIRE LOCATION

a. Fire Name (from Form FS-5100-29): BUCK SPRINGS COMPLEX
b. Forest Supervisor's Fire No. (from Form FS-5100-29): P63519
c. State: OREGON
d. County: HARNEY
e. Region: 6
f. Forest: OCHOCO
g. Ranger District: SNOW MOUNTAIN
h. Date Fire Started: 8/6/90
i. Date Fire Controlled: 8/16/90
j. Estimated Suppression Costs: $2.8 MM
k. Fire Suppression Damages Repaired with FFF 102 Funds:

1. 1.6 miles (firelines waterbarred)
2. 115 acres (firelines seeded)
3. _____ Other (identify)

1. Fire Intensity: 67 % (low) 17 % (medium) 1 % (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

a. Watershed No.: 1707000418
b. NFS Acres Burned: 21026 Total Acres Burned 23788
Ownership type: (list acres if known)
(0)State; (2162)BLM; (600)PVT;(0)Other_____

c. Water Repellant Soil: _____0_____ % of NFS acres burned
d. Vegetation Types: CPS1, CPS2, CJS111, SD92
e. Geologic Types: WELDED TUFFS - RHYOLITIC
f. Soil Erosion Hazard Rating: 83% low; 16% medium; 1% high

__83_ % (low) __16_ % (medium) __1__ % (high)

g. Erosion Potential: ____507_____ cu. yds/sq. miles
h. Miles of Stream Channels by Regional Order or Classes:

Class I, 3 miles
Class II, 13.9 miles

i. Miles of Forest Service Trails: 0 miles
j. Miles of Forest Service Roads by Maintenance Levels:

__44.7 miles (Level I) _37.6 miles (Level II)
_9.25 miles (Levels III, IV, V)

PART IV - CALCULATED RISK AND CLIMATIC EVALUATION

a. Estimated Vegetative Recovery Period: _3 years.
b. Chance of Success Desired by Management: _80 percent.
c. Equivalent Design Recurrence Period: 10 years.
d. Related Design Storm Duration: _30 MIN.
e. Related Design Storm Magnitude: .33 inches.
f. Related Design Flow __8.6 cfsm.
g. Estimated Reduction in Infiltration: _0_ percent.
h. Adjusted Related Design Flow: _9.2_ cfsm.

PART V - SUMMARY OF SURVEY AND ANALYSIS

a. Skills Represented on Burned Area Survey Team ("x" appropriate boxes):

[X] Hydrology	[X] Soils	[ ] Geology	[X] Range	
[X] Timber	[X] Wildlife	[ ] Fire Mgmt.	[X] Engineering	
[ ] Contracting	[ ] Local Mgmt.	[ ] Research	[X] Other:	CULTURAL
				SILVICULTURE
				BOTANY

b. Describe Emergency: A 23,788 ACRE WILDFIRE COMPLEX IN MULTISTORY STANDS OF PONDEROSA PINE ON DISSECTED PLATEAU TOPOGRAPHY WITH SHALLOW LITHIC SOILS.

c. Emergency Rehabilitation Objective: PROTECT WATERSHED TO MAINTAIN SITE PRODUCTIVITY, WATER QUALITY AND DOWNSTREAM FISH HABITAT.

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

Land __90_ % Channel _75__ % Roads __90_ % Other __0__ %

e. Net Environmental Quality Benefit Index:

[X] Significant [ ] Not Significant

f. Net Social Well Being Benefit Index:

[ ] Significant [X] Not Significant

g. Benefit/Cost Ratio: 0.96
h. Net Benefits: $ -620
i. Cost Effectiveness Index: [ ] I. [ ] II. [X] III. [ ] IV.

PART VI - ELIGIBLE EMERGENCY REHABILITATION MEASURES OR TREATMENTS AND SOURCE OF FUNDS

NOTE: Emergency rehabilitation is work done promptly following a wildfire and is not to solve watershed problems that existed prior to the wildfire.

Line Items	Units	Unit Cost	NFS Lands No. of Units	NFS Lands NFFF-FW22 $	NFS Lands Other $ ident.	Other Lands No. of Units	Other Lands Federal$ ident.	Other Lands Non-Federal $ identify	All Lands Total $
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
A. 1) Land									
a. Seeding	Acres	5	300	1,500					1,500
b. CONTOUR FELLING	ACRES	50	100	5,000					5,000
c.									
d.									
e.									
A. 2) Channels									
a. Opening water courses	Miles								
b. Stabilizing streambanks	Miles								
c. JUNIPER RIP RAP	MILES	6000	1	6,000					6,000
d. L. R. CHECK DAM	EA	800	5	4,000					4,000
e. SEDIMENT PONDS	EA	500	2	1,000					1,000