

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

PART I - TYPE OF REQUEST

1. Type of Report

- ☒ A. Funding (Request for estimated FFF funds) (*Revised*)
☐ B. Accomplishment Report

2. Type of Action

- ☐ A. Initial (estimated funding is first requested)
☒ B. Interim

☒ Updating the initial funding request.
☐ Supplying information for accomplishments to date
on emergency work underway.

☐ C. Final

☐ Best estimate for funds needed to complete eligible
rehabilitation measure.
☐ Following completion of funded work.

PART II - FIRE LOCATION

1. Fire Name (from Form FS-5100-29): **Longwood Complex**
2. Forest Supervisor's Fire No. (from Form FS-5100-29): **762477**
3. State: **Oregon and California**
4. County: **Josephine, OR and Del Norte, CA**
5. Region: **Pacific Northwest (R-6)**
6. Forest: **Siskiyou**
7. Ranger District: **Illinois Valley**
8. Date Fire Started: **8/30/87**
9. Date Fire Controlled: **9/10/87**
10. Estimated Suppression Costs: **\$4.3 million**
11. Fire Suppression Damages Repaired with FFF 102 Funds:
 27 miles (firelines waterbarred)
 20 miles (firelines seeded - about 70-90%)
 20 miles (firelines fertilized - about 70-90%)
12. Fire Intensity: **20 % (low)** **30 % (medium)** **50 % (high)**

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

1. Watershed No.: Illinois River, 1710031114 and 1710031115
2. NFS Acres Burned: 9916 (8256 FS, 160 BLM, 700 PVT CA, 800 PVT OR)
3. Water Repellant Soil: 20 % of NFS acres burned
4. Vegetation Types: Tanoak, white fir, and Douglas-fir Series.
5. Geologic Types: Metasediments(50%), Serpentinitic(20%), Gabbro/Diorite(30%)
6. Soil Erosion Hazard Rating:
25 % (low) 50 % (medium) 25 % (high)
7. Erosion Potential: 500-1000 cu. yds/sq. miles
8. Miles of Stream Channels by Regional Order or Classes: 8mi/I, 6.5/II,
9. Miles of Forest Service Trails: 2.5 10/III, 14/IV
10. Miles of Forest Service Roads by Maintenance Levels:
0 miles (Level I) 23.7 miles (Level II) 4.5 miles (Levels III, IV, V)

PART IV - CALCULATED RISK AND CLIMATIC EVALUATION

1. Estimated Vegetative Recovery Period: 5 years.
2. Chance of Success Desired by Management: 80 percent.
3. Equivalent Design Recurrence Period: 25 years.
4. Related Design Storm Duration: 6 hours.
5. Related Design Storm Magnitude: 3.8 inches.
6. Related Design Flow 240 cfs.
7. Estimated Reduction in Infiltration: 25 percent.
8. Adjusted Related Design Flow: 300 cfs.

PART V - SUMMARY OF SURVEY AND ANALYSIS

1. Skills Represented on Burned Area Survey Team ("x" appropriate boxes):
☒ Hydrology ☒ Soils ☒ Geology ☒ Wildlife & Fish
☒ Timber ☒ Silviculture ☐ Fire Mgmt. ☒ Engineering
☒ Contracting ☒ Local Mgmt. ☐ Research ☒ Local Resident
2. Describe Emergency: Moderate to Severe burn intensity on approx. 7500 ac.
3. Emergency Rehabilitation Objective: Prevent loss of lives, property, and resources by reducing accelerated on-site erosion and stream sedimentation.
4. Probability of Completing Treatment Prior to First Major Damage Producing Storm: Land 75 % Channel 75 % Roads 90 % Other ___ %
5. Net Environmental Quality Benefit Index
☒ Significant ☐ Not Significant
6. Net Social Well Being Benefit Index:
☒ Significant ☐ Not Significant
7. Benefit/Cost Ratio: 1.4:1
8. Net Benefits: \$125,000
9. Cost Effectiveness Index: ☒ I. ☐ II. ☐ 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	NFS Lands					Other Lands			All Lands Total
	Units	Unit	No. of	FFF 092	Other \$	No. of	Federal	Non-Federal	
	Cost	Units	\$		ident.	Units	\$	\$	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
A. LAND									
a. Seed/Fert.Aerial	Acres	60	2138	128,280		700	1/	42,000	170,280
b. Seeding (Hand)	Acres	65	148	9,620					9,620
c. Spread Hay Straw	Acres	271	83	22,493					22,493
d. Cordoning	Acres	1575	2	3,150					3,150
e. Contour felling	Acres	125	159	19,875					19,875
Subtotal				(183,418)					(225,418)
B. CHANNELS									
a. Check dams/barriers	Str.	150	333	49,950					49,950
b. Jute netting	Acres	600	1.75	1,050					1,050
c. Vegetation for bank stabilization in domestic watersheds	Acres	400	48	19,200					19,200
Subtotal				(70,200)					(70,200)
C. ROADS AND TRAILS									
a. Storm patrol and cleanup 2/	Miles	1875	28	52,500					52,500
Trail maintenance	Miles	200	5	1,000					1,000
Subtotal				(53,500)					(53,500)
D. TOTAL				307,118					349,118

1/ Soil Conservation Service "403" Funding for treatments on private lands within burned area.

2/ Storm patrol and cleanup are needed to keep road drainage system free and functional during expected high runoff of water and eroded soil from burned area. Coordinated with Forest Engineering staff group.

PART VII - APPROVALS

REN 11/23/87
Forest Engineer (Initial)

[Signature] 11/20/87
Watershed and Planning (Initial)

Mike Edmington
Forest Supervisor (Signature)

11/23/87
Date

John E. Leve
Regional Forester (Signature)

11/25/87
Date

W. P. Hayes 11/25/87
Regional Eng.

[Signature]
Dir. RGEWS
11/25/87