USDA-FOREST SERVICE

Date of Report: 10/28/89
Updated By ECRuby: 11/10/89

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)

   [x] B. Accomplishment Report

2. Type of Action

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

   [x] B. Interim, Pending final accounting of funds.

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

   [x] C. Final Accomplishments, with Interim fiscal accounting.

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

PART II - FIRE LOCATION

1. Fire Name (from Form FS-5100-29): DOOLEY MTN. COMPLEX
2. Forest Supervisor's Fire No. (from Form FS-5100-29): OR-WWF-012
3. State: Oregon
4. County: Baker
5. Region: 06
6. Forest: Wallowa-Whitman
7. Ranger District: Baker
8. Date Fire Started: 7/26/89
9. Date Fire Controlled: 8/6/89
10. Estimated Suppression Costs: $4,500,000.00
11. Fire Suppression Damages Repaired with FFF 102 Funds:

    17.5 Miles (firelines waterbarred)
    45 Acres (firelines seeded)
    NONE Other (identify)

12. Fire Intensity: 23% (low) 22% (medium) 55% (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

1. Watershed No.: 1705202-22D

2. NFS Acres Burned: 10,240.

3. Water Repellant Soil: 43% of NFS acres burned = 4,403 Acres

4. Vegetation Types: CD-G1-11 (PP, DF/ELK SEDGE)
   CW-G1-11 (MIXED CONIFER/PINEGRASS)

5. Geologic Types: Rhyolite, Andesite, and Schist

6. Soil Erosion Hazard Rating:

   10% (low), 40% (medium) 50% (high)

7. Erosion Potential: 25,600 Cu. Yds/Sq. Mi.

8. Miles of Stream Channels by Regional Order or Classes:
   Class II - 6.0 Miles
   Class III - 20.9 Miles
   Class IV - 18.9 Miles

9. Miles of Forest Service Trails: 0

10. Miles of Forest Service Roads by Maintenance Levels:

    1.0 Miles(Level I), 1.0 Miles(Level II), 152 Miles(Level III, IV, & V).

PART IV - CALCULATED RISK AND CLIMATIC EVALUATION

1. Estimated Vegetative Recovery Period: 7 Years.

2. Chance of Success Desired by Management: 80 Percent.

3. Equivalent Design Recurrence Period: 35 Years.

4. Related Design Storm Duration: 24 Hours.

5. Related Design Storm Magnitude:1.20 Inches.

6. Related Design Flow 8.7 cfsm.

7. Estimated Reduction in Infiltration: 43% Percent.

8. Adjusted Related Design Flow: 70 cfsm.

PART V - SUMMARY OF SURVEY AND ANALYSIS

1. 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	[x] Local Mgmt.	[ ] Research	[x] Cultural Resources

2. Describe Emergency: Potential threats to Human Life from flooding, System roads and to local Forest Users, State Highway 245, Site Productivity, Cultural Resources, Reservoirs, Resident Fish Habitat, Downstream Irrigation Facilities and Farmland from flooding, and accelerated erosion due to large, contiguous areas of hydrophobic soils and sediment loaded first, second, and third-order channels.

3. Emergency Rehabilitation Objective: Stabilize watershed soils and protect instream water quality, by seeding intensively burned areas with grass, and to control sediment bulking of flood flows by installing sediment-delay structures in critical stream reaches.

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

   Land 80% Channel 60% Roads 80% Other _____ %

5. Net Environmental Quality Benefit Index:

   [X] Significant [ ] Not Significant

6. Net Social Well Being Benefit Index:

   [x] Significant [X] Not Significant

7. Benefit/Cost Ratio: 2.39:1

8. Net Benefits: $258,748.

9. Cost Effectiveness Index: [x] 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.

	NFS Lands					Other Lands			All Lands
LINE ITEMS/COLUMN #'S	Units (2)	Unit Cost $'s (3)	No. of Units (4)	FFF 092 $'s (5)	Other ident. (6)	Units BLM + PVT. (7)	Federal $'s BLM (8)	NonFederal $'s Private (9)	Total $'s (10)
A. LAND									
a. Seeding	Acres	19	8,000	152,000	8,000	6,750	34,633	93,636	288,269
b. Stream Mix 2	Acres	26	198	5,140		192	1,326	3,666	10,132
c.Temporary Fence	Mile	2.5M	3.5	8,750		2	5,000		13,750
d.Cattleguard	Ea	5.1M	1	5,100					5,100
SUBTOTAL - LAND				$170,990	$8,000		$40,959	$97,302	$317,251
LINE ITEMS/COLUMN #'S	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
B. CHANNELS									
*a. Log Sills W/ Large Woody	Ea	80	176	14,080	17	50	5,360		19,440.
* b.Straw Bale Dams	Ea.	78	85	6,630	63	18	6,318		12,948
c. Tree Falling in Channels	Ea	18.2	562.5	10,237		0.19	107		10,344
d. Silt Fences	Ea	4	500	2,916					2,916
TOTAL - CHANNELS				$33,863			$ 11,785		$45,648
C. ROADS AND TRAILS									
D. MAJOR STRUCTURES									
E. GRAND TOTALS				$204,853	$ 8,000		$52,744	$97,302	$362,899.

* NFS costs = structures on NFS + Private for these two items.(Col 6 = units, not $$'s)

PART VII - APPROVALS

/S/
Forest Supervisor (Signature) _____ Date

/S/ Kenneth Koon
Baker District Ranger (Signature) _____ Date

/S/
Regional Forester (Signature) _____ Date