United States Department of Agriculture | Forest Service | Salmon NF

Jackson

Reply To: 2520 Date: September 25, 1989

Subject: Burned Area Report For Powerline Fire

To: Regional Forester, R-4

Enclosed for your review is the Burned Area Report for the Powerline Fire on the Cobalt Ranger District of the Salmon National Forest. I am not requesting any FFF 092 funds for this fire.

Sincerely,

JOHN E. BURNS
Forest Supervisor

Enclosure

cc:
Schneider
Groll
Baird

GJackson:jp

ELECTRONICALLY MAILED
DATE 9/25 INT'L'S Elm

Powerline Fire - Cobalt Ranger District

Salmon National Forest - 1989

This fire burned about 890 acres of lodgepole timber near the east side of the Blackbird Mine. The erosion potential from the fire is estimated to be about 9 cubic yards per square mile. No significant impact is expected off-site due to the rocky soils and large amount of vegetation in Little Deer Creek. We are only identifying about 31 acres of firelines that need to be seeded from FFF 102 funds. I am not requesting any FFF 092 funds for this fire.

FS-2500-8

USDA-FOREST SERVICE

Date of Report:September 19, 1989_

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

PART I - TYPE OF REQUEST

1. Type of Report

   [X] A. Funding (Request for estimated FFF funds)
   [ ] B. Accomplishment Report

2. Type of Action

   [X] 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):Powerline
2. Forest Supervisor's Fire No. (from Form FS-5100-29):P46,008
3. State:Idaho
4. County:Lemhi
5. Region:4
6. Forest:Salmon
7. Ranger District:Cobalt
8. Date Fire Started:7/30/89
9. Date Fire Controlled:8/8/89
10. Estimated Suppression Costs: $878,000.00
11. Fire Suppression Damages Repaired with FFF 102 Funds:

    12.9 miles (firelines waterbarred)
    31.0 acres (firelines seeded)
     3.0 Other (identify) helispots

12. Fire Intensity: 27 % (low) 32 % (medium) 41 % (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

1. Watershed No.:030
2. NFS Acres Burned:890

3. Water Repellant Soil: 5 % of NFS acres burned
4. Vegetation Types:Lodgepole, Grouse Whorttleberry, Douglas fir, pinegrass
5. Geologic Types:Quartzite 858 acres (96%): Granitics 32 acres (4%)
6. Soil Erosion Hazard Rating:

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

7. Erosion Potential: 9 cu. yds/sq. miles
8. Miles of Stream Channels by Regional Order or Classes: 1=1.1; 2=0.6
9. Miles of Forest Service Trails:0
10. Miles of Forest Service Roads by Maintenance Levels:

    0 miles (Level I) 0 miles (Level II)
    12 miles (Levels III, IV, V)

PART IV - CALCULATED RISK AND CLIMATIC EVALUATION

1. Estimated Vegetative Recovery Period: 3 years.
2. Chance of Success Desired by Management: 90 percent.
3. Equivalent Design Recurrence Period: 13 years.
4. Related Design Storm Duration: 6 hours.
5. Related Design Storm Magnitude: 0.8 inches.
6. Related Design Flow 10.9 cfsm.
7. Estimated Reduction in Infiltration: 10 percent.
8. Adjusted Related Design Flow: 12.0 cfsm.

PART V - SUMMARY OF SURVEY AND ANALYSIS

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

[X] Hydrology	[X] Soils	[X] Geology	[X] Range
[X] Timber	[X] Wildlife	[X] Fire Mgmt.	[ ] Engineering
[ ] Contracting	[ ] Local Mgmt.	[ ] Research	[X] Other (identify)FISH

2. Describe Emergency:Soil erosion on firelines
3. Emergency Rehabilitation Objective:Seed firelines
4. Probability of Completing Treatment Prior to First Major Damage Producing Storm:

   Land 95 % Channel NA % Roads 95 % Other 95 %Tractor

5. Net Environmental Quality Benefit Index:

   [ ] Significant [X] Not Significant

6. Net Social Well Being Benefit Index:

   [ ] Significant [X] Not Significant

7. Benefit/Cost Ratio: NA
8. Net Benefits: $ 0
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.

			NFS Lands			Other Lands			All Lan
Line Items	Units	Unit Cost	No. of Units	FFF 092 $	Other $ FFF 102 ident.	No. of Units	Federal$ ident.	Non-Federal $ identify	Total $
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
A. LAND									
a. Seeding	Acres								
b. handline		45	2		90				90
c. dozer line		45	29		1,305				1,305
d. helispots		45	3		135				135
e.									
B. CHANNELS									
a. Opening water courses	Miles								
b. Stabilizing streambanks	Miles								
c.									
d.									
e.									
C. ROADS AND TRAILS									
a.									
b.									
c.									
D. MAJOR STRUCTURES									
a. Preplanned - from Forest Plans									
E. TOTAL			34		$1,530		$	$	$ 1,530

PART VII - APPROVALS

/S/ [signature]
Forest Supervisor (Signature) — Date: 9/25/89

/S/
Regional Forester (Signature) — Date