

*Yellow file copy - Las Pilitas*

UNITED STATES  
DEPARTMENT OF  
AGRICULTURE

Forest  
Service

Los Padres  
National  
Forest

6144 Calle Real  
Goleta, CA 93117  
(805) 683-6711

Reply to: 2510 Emergency Rehabilitation

Date: Sept. 29, 1986

Subject: Summary of Rehab Efforts and Request for FY 87 FFF 092 Funds

To: Regional Forester

Rehabilitation work has been completed on Wheeler 2, Las Pilitas, Gorda-Rat, and Ferndale incidents except for some additional evaluation and data collection concerning these rehabilitation efforts. Copies of final reports are enclosed. Evaluation is being done to document the effectiveness of the rehabilitation work and to answer questions posed by the Public on the efficiency of grass seeding for erosion control and the effect of grass seeding on the natural recovery and diversity of native vegetation.

As far as we can determine all payments for the rehabilitation projects have been made except for the evaluation work. Approximate expenditures for the fires are given below. In no case did expenditures exceed the original funds requested in the Burned Area Reports.

<u>Incident</u>	<u>FY 86 Expend.</u>	<u>FY 86 Author.</u>	<u>Total Expend.</u>	<u>Original Req.</u>
Wheeler 2 NFS	\$155,400	\$185,300	\$543,600	\$773,300
Wheeler 2 PVT	27,000	27,000	37,600	70,000
Gorda-Rat	42,300	57,300	130,800	276,200
Las Pilitas	10,000	10,000	87,800	123,300
Ferndale	65,300	95,520	65,300	95,500

We are requesting your approval to carry over dollars for funding to complete the evaluation of these projects. We estimate \$3,500 per incident should cover the costs of evaluation (Salary \$2,500, per diem \$500, and supplies \$500). Total request is \$14,000.

*Art Carroll*

ARTHUR J. CARROLL  
Forest Supervisor

Enclosures

cc: DR MRD, SLRD, SBRD, ORD  
cc: SO 2520 files for each fire  
cc: SO Budget Officer

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)  
☒ 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): Las Pilitas  
2. Forest Supervisor's Fire No. (from Form FS-5100-29): LPF 454  
3. State: California  
4. County: San Luis Obispo  
5. Region: 05-Pacific Southwest  
6. Forest: 07-Los Padres  
7. Ranger District: Santa Lucia  
8. Date Fire Started: 7-1-85  
9. Date Fire Controlled: 7-15-85  
10. Estimated Suppression Costs: \$ 5.0 M  
11. Fire Suppression Damages Repaired with FFF 102 Funds:  
21 miles (firelines waterbarred)  
115 acres (firelines seeded)  
168 acres Other (identify) Seeded w/Fish & Game Hill Bill Funds.  
12. Fire Intensity: 28 % (low) 26 % (medium) 46 % (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

1. Watershed No.: 180600054 (plus 180000505, 1806000602, 1806000603, 1806000701)  
2. NFS Acres Burned: 25,115 (total acres in fire all ownerships = 75,000)  
3. Water Repellant Soil: 60 % of NFS acres burned

4. Vegetation Types: Chamise-scruboak, Manzanita 60%, Ceanothus 15%, Coast Live Oak 1
5. Geologic Types: Coulter pine 5%, Annual grass 5%
6. Soil Erosion Hazard Rating:

0 % (low)      20 % (medium)      80 % (high)

7. Erosion Potential: 14,500 cu. yds/sq. miles
8. Miles of Stream Channels by Regional Order or Classes: I=25, II=10
9. Miles of Forest Service Trails: 10
10. Miles of Forest Service Roads by Maintenance Levels:

0 miles (Level I)    21 miles (Level II)  
10 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: 2 years.
4. Related Design Storm Duration: 0.5 hours.
5. Related Design Storm Magnitude: 0.6 inches.
6. Related Design Flow 880 cfs.
7. Estimated Reduction in Infiltration: 50 percent.
8. Adjusted Related Design Flow: 3000 cfs.

#### PART V - SUMMARY OF SURVEY AND ANALYSIS

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

<input checked="" type="checkbox"/> Hydrology	<input checked="" type="checkbox"/> Soils	<input checked="" type="checkbox"/> Geology	<input checked="" type="checkbox"/> Range
<input checked="" type="checkbox"/> Timber	<input checked="" type="checkbox"/> Wildlife	<input checked="" type="checkbox"/> Fire Mgmt.	<input type="checkbox"/> Engineering
<input type="checkbox"/> Contracting	<input checked="" type="checkbox"/> Local Mgmt.	<input type="checkbox"/> Research	<input checked="" type="checkbox"/> Other (identify)

2. Describe Emergency: increased peak flows, sediment & debris to reservoir & homes
3. Emergency Rehabilitation Objective: reduce peak flows, sediment & debris
4. Probability of Completing Treatment Prior to First Major Damage Producing Storm:

Land 100 %    Channel        %    Roads        %    Other        %

5. Net Environmental Quality Benefit Index:

☒ Significant      ☐ Not Significant

6. Net Social Well Being Benefit Index:

☒ Significant      ☐ Not Significant

7. Benefit/Cost Ratio: 3/1

8. Net Benefits: \$ 1,160,000

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
	Units	Unit	No. of	FFY 092	Other \$	No. of	Federal \$	Non-Federal	Total
		Cost	Units	\$	ident.	Units	ident.	identify	\$
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
A. LAND									
a. Seeding NFS Rye	Acres	5.40	1300	7,025					7025
b. NFS Brome	Acres	6.73	1200	80,777					80,777
c.									
d.									
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				\$ 87,802	\$		\$	\$	\$ 87,802

PART VII - APPROVALS

/s/ Arthur Maxwell  
Forest Supervisor (Signature)

9-29-86  
Date

/s/ \_\_\_\_\_  
Regional Forester (Signature)

\_\_\_\_\_  
Date



United States  
Department of  
Agriculture

Forest  
Service

SANTA LUCIA RANGER DISTRICT  
1616 Carlotti Drive  
Santa Maria, CA 93454

Reply to: 2500 Watershed Management

Date: August 11, 1986

Subject: Pilitas Fire Rehabilitation Report

To: Forest Supervisor, Los Padres N.F.  
ATTN: Deloy Esplin

Enclosed please find the Burned Area Report for the end of the Pilitas Fire Rehabilitation effort. Some noteworthy details of the rehabilitation effort on the Pilitas Fire are as follows:

1. The project was accomplished for \$87,802 which is \$35,298 less than the budgeted amount of \$123,000.
2. The 12,000 acres that were seeded with Blando Brome at a rate of 3 lbs/acre have produced a very satisfactory stand of brome. Average production is 3,600 pounds per acre. Seed production is incredible with approximately 3,000 to 4,000 seeds per square foot. This information is from our monitoring efforts from the summer of 1986, one year post burn.
3. As a result of using aerial seeded Blando Brome, we are convinced of it's usefulness as a rehabilitation species in chaparral communities. We hope to continue monitoring the fire to better understand the long term results.
4. We seeded 21 miles of dozer lines (283 acres total) by hand and using a rangeland drill with a wildlife seed mixture purchased with Hill Bill Fish and Game funds.

Overall, we are quite pleased with our rehabilitation efforts. If you desire further information, please contact Gary Smith at our Santa Maria office.

KEITH GUENTHER  
District Ranger

Enclosures

GBS/jsg

