

USDA-FOREST SERVICE

Date of Report: 8-17-90

BURNED AREA REPORT  
(Reference FSH 2509.13, Report FS-2500-8)  
R5 DG 7/90 rev.

PART I - TYPE OF REQUEST

1. Type of Report

- ☒ A. Funding (Request for estimated FFFS-FW22 funds)  
☐ B. Accomplishment Report

2. Type of Action

- ☐ A. Initial (estimated funding is first requested)  
☒ B. Interim
- a. ☒ 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): BOUQUET  
b. Forest Supervisor's Fire No. (from Form FS-5100-29): ANF 3154  
c. State: CALIFORNIA  
d. County: LOS ANGELES  
e. Region: 5  
f. Forest: ANGELES  
g. Ranger District: SAUGUS  
h. Date Fire Started: 07/14/90  
i. Date Fire Controlled: 07/16/90  
j. Estimated Suppression Costs: \$ 475,000  
k. Fire Suppression Damages Repaired with FFFS-PF12 Funds:
1. 1.0 miles (firelines waterbarred)  
2. 10 acres (firelines seeded)  
3. 500 FEET Other (identify)  
2X12 WOODEN PLANK DERIS CATCHMENT FACILITIES (\$3150.00)
- l. Fire Intensity: 10 % (low) 60 % (medium) 30 % (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

- a. Watershed No.: 1807010204
- b. NFS Acres Burned: 660 Total Acres Burned: 660  
Ownership type: (list acres if known)  
( 0 ) State; ( 0 ) BLM; ( 0 ) PVT; ( 0 ) Other \_\_\_\_\_

- c. Water Repellant Soil: 50 % of NFS acres burned  
 d. Vegetation Types: MIXED CHAPARRAL: SYCAMORE: GRASSES: OAK  
 e. Geologic Types: PELONA SCHIST 100%  
 f. Soil Erosion Hazard Rating:

0 % (low) 40 % (medium) 60 % (high)

- g. Erosion Potential: 18,100 cu. yds/sq. miles  
 h. Miles of Stream Channels by Regional Order or Classes: 3.0/1-1.5/4  
 i. Miles of Forest Service Trails: 0  
 j. Miles of Forest Service Roads by Maintenance Levels:

0 miles (Level I) 1/8 miles (Level II)  
0 miles (Levels III, IV, V)

#### PART IV - CALCULATED RISK AND CLIMATIC EVALUATION

- a. Estimated Vegetative Recovery Period: 5 years.  
 b. Chance of Success Desired by Management: 75 percent.  
 c. Equivalent Design Recurrence Period: 10 years.  
 d. Related Design Storm Duration: 24 hours.  
 e. Related Design Storm Magnitude: 4 inches.  
 f. Related Design Flow 80 cfs.  
 g. Estimated Reduction in Infiltration: 50 percent.  
 h. Adjusted Related Design Flow: 120 cfs.

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

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

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

b. Describe Emergency: Potential threat from winter storms to watershed protection (bare watersheds, native fisheries, water quality, non-USFS improvements such as utility lines and recreation residences).

c. Emergency Rehabilitation Objective: To minimize impacts as they relate to  
 1) Watershed Protection, 2) Bouquet Canyon Creek and native fishes, 3)  
 Potential increase in OHV activity, 4) Utility Lines and 5) Recreation  
 residences.

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

Land 90 % Channel 100 % Roads      % Other      %

- e. Net Environmental Quality Benefit Index:

☒ Significant ☐ Not Significant

- f. Net Social Well Being Benefit Index:

☒ Significant ☐ Not Significant

- g. Benefit/Cost Ratio: 4.2

h. Net Benefits: \$ 258,260

i. 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	Units	Unit Cost	NFS Lands		Other \$ FFIS-PFI2 ident.	No. of Units	Other Lands		All Lands Total \$
			(2)	(3)	(4)	(5)	(6)	(7)	
(1)									
A. LAND									
a. Seeding	Acres	45.0			153	6435.0	450.0		6885.0
b. Barrier Fencing	Foot	3.3			8000	26640.0			26640.0
c. Wooden Check Dam	Foot	6.3			500		3150.0		3150.0
B. CHANNELS									
a. Opening water courses	Miles								
b. Stabilizing streambanks	Miles								
c. Gabion with diversion wings	Struc	18.0m			1		20000.0		20000.0
e.									
C. ROADS AND TRAILS									
a. Road Closure/gate	Struc	750.0			1	750.0			750.0
b. Road Closure/berm	Struc	12m			1	1200.0			1200.0
c.									
D. MAJOR STRUCTURES									
a. Preplanned - from Forest Plans									
E. REHAB TEAM									
a. Salary		3750			1	3750.0			3750.0
F. TOTAL						\$38775	\$3600	\$20000	\$62375.00

\*\*\* - Funds to be contributed by SCS

PART VII - APPROVALS

Forest Supervisor (Signature) \_\_\_\_\_ Date \_\_\_\_\_

Regional Forester (Signature) \_\_\_\_\_ Date \_\_\_\_\_

FS-2500-8

#### VIII - TREATMENT NARRATIVE (see Part VI)

##### FFFS-FW22 FUNDING

The fence, berm, and gate are temporary and are required to eliminate/reduce OHV use of the burned area as well as use of the primary and secondary dozer suppression lines. The area is adjacent to a heavily used open OHV area. This area receives approximately 50,000 RVD's a year. There is over 600,000 hours of OHV activity on the opposite side of the primary ridge followed by the dozer suppression line. Until the Bouquet Fire the access off the adjacent OHV area into the Bouquet Canyon valley was limited by heavy brush. The topography of the two areas is very similar providing excellent opportunity for OHV use of the upper two thirds of the slopes above the Bouquet Recreational cabins and trout fishing portions of Bouquet Creek. A majority of the proposed fence will be placed along the burned ridge separating the OHV recreation area and the Bouquet valley. The fence will be of a design that will be sufficient to reduce OHV traffic for a period of 3 to 5 years to allow revegetation to occur. Measurements of soil erosion on the adjacent OHV area imply that use of by OHV's of the burned area would yield soil loss rates of over 100,000 tons/sq. mi.. Approximately half to two thirds of the burn area would be available to OHV traffic without the fencing. The temporary gate and berm will limit access to a conifer plantation and a fire suppression line until the native Chaparral vegetation is reestablished in the next 3 to 5 years to adequately limit the access by unauthorized OHV's.

The seeding will be done on those limited areas where over 50% of the minor drainages were burn and slopes are less than 85%. We are planning on using Zorro Fescue at 5 lbs / ac. and Rose Clover at 7 lbs / ac.

##### FFFS-PF12 FUNDING

Fire suppression activities damaged by crushing the wooden check dams along the secondary cat line that followed the telephone cable. These check dams will need to be reestablished as erosion control measures on this very steep slope, which is in excess of 60%.

##### SCS FUNDING

A significant portion, approximately 98% of a 100 ac. watershed, was burned above two special use recreational cabins. This is a very steep drainage with several 20 to 30 foot falls just up stream from the two cabins. We expect this basin to yield approximately 3,000 yards of material if we receive a 25 year rain event during the next 5 years. As there is a very limited area in which to store this volume of material a set of deflector walls is presently being proposed to stop the expected slug of debris from impacting and destroying the cabins.

## EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN

## EMERGENCY PROGRAM

(Reference FSH 2509.13)

Fire Name

BOUQUET

Date of Report

JULY 18, 1990

## A. ENVIRONMENTAL QUALITY BENEFIT INDEX

Environmental Factor (a)	Weight Factor (b)	Without Treatment Actual (c)	Without Treatment Weighted (d)	With Treatment Actual (e)	With Treatment Weighted (f)	Difference Actual (g)	Difference Weighted (h)
1. Erosion and sediment	10	2	20	1	10	1	10
2. Aesthetic land quality	6	2	12	1	6	1	6
3. Water quality	6	2	12	2	12	0	0
4. Site productivity	4	2	8	0	0	2	8
5. Wildlife habitat	4	0	0	0	0	0	0
6. Fish habitat	7	2	14	1	7	1	7
7. Other	-	-	-	-	-	-	-
8. TOTAL	37	XXXXXXXXXX	66	XXXXXX	35	XXXXXX	31
9. Average weighted index	XXXXXXXXXX	XXXXXXXXXX	1.8	XXXXXXXXXX	.9	XXXXXXXXXX	.8
10. Net environmental quality benefit index	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	S

## B. SOCIAL WELL-BEING BENEFIT INDEX

Social Criteria (a)	Weight Factor (b)	Without Treatment Actual (c)	Without Treatment Weighted (d)	With Treatment Actual (e)	With Treatment Weighted (f)	Difference Actual (g)	Difference Weighted (h)
1. Life, health, safety	10	2	20	1	10	1	10
2. Employment	1	0	0	0	0	0	0
3. Recreational opportunity	8	2	16	1	8	1	8
4. Economic stability	1	0	0	0	0	0	0
5. Income distribution	1	0	0	0	0	0	0
6. Preserve special sites	1	0	0	0	0	0	0





### D. EXPECTED DAMAGE REDUCTION BENEFIT SUMMARY

Note: At current Water Resources Council interest rate		percent		
Economic Benefit Indices	Units of Measure (b)	Damage Expected		Expected \$ Damage Reduction (g)
		Without Treatment No. of Units (c)	With Treatment No. of Units (e)	
		Present Value (\$) (d)	Present Value (\$) (f)	
I. Watershed Impacts Sediments	XXXXXXX	XXXXXXX	XXXXXX	XXXXXXXXXX
1. Downstream water storage				
2. Sediment removal				
3. Fish habitat				
4. Water quality				
II. Flood Water	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXXXX
1. Land				
2. Water Improvements				
3. Subtotal, Watershed Resource Related Impacts	XXXXXXXX XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX XXXXXXXX	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
III. Range				
1. Range				
2. Wildlife and Recreation				
3. Timber				
4. Subtotal, Resource Related Other Impacts	XXXXXXXX XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX XXXXXXXX	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
IV. Other Impacts				
1.				
2. Subtotal, Other	XXXXXXXX XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX XXXXXXXX	XXXXXXXX XXXXXXXX XXXXXXXX	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
V. TOTAL DOLLARS	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXXXX

REMARKS

FS-2500-8a (11/82)

USDA-Forest Service

ON-SITE AND OFF-SITE DEVELOPMENTS SUBJECT TO HAZARDS<sup>1</sup>

(Reference FSH 2509.13)

Fire Name		Date of Report		
Line Items (a)	Type of Units (b)	Number of Units (c)	Estimated Value \$ (d)	
1. Community and urban development	People			
2. Municipal and domestic water supply	People Served			
3. Transportation systems	Miles			
4. Water distribution system (irrigation)	Miles			
5. Agricultural development (crops, facilities)	Acres			
6. Industrial development (dams, power, manufacturing)	Number			
7. Power and communication lines	Miles			
8. Recreation development	PAOT			
9. Fish habitat	Miles			
10. Other (specify)				
11. Total Hazard Potential	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX		

12. Narrative (Optional- if additional space is needed, attach another sheet).

1 Hazards from floods, floating debris, erosion, or sediment because a watershed is impaired by wildfire. (Do not include value of resources damaged or destroyed by the fire reported on FS-5100-29.)

2 Indicates values threatened by design storm. Does not enter into the B/C.

FS-2500-8b (11/82)

## USDA-FOREST SERVICE

SUMMARY OF EMERGENCY REHABILITATION NEEDS BY LANDOWNERSHIP  
(Reference FSH 2509.13)

Fire Name \_\_\_\_\_

Date of Report \_\_\_\_\_

Landownership	A. Acres Burned	B. Emergency Rehabilitation Needs				6. Total
		(1) Land (acres)	(2) Channel (miles)	(3) Road & Trail (miles)	(4) Other	
Federal (NFS)						
Other (specify)						
Subtotal (NFS)						
Non-Federal (State & County)						
Indian Reservation						
Private						
Subtotal (Non-Federal)						
TOTAL						

  

C. Source of Emergency Rehabilitation Funds for Needed Work (\$)	1. FFF		2. Emergency Flood Prevention	3. FR & T	4. Other Federal (Enter fund)	5. Non- Federal (Enter fund)	6. Total
	(a) 092	(b) 102					
Landownership							
Federal (NFS)							
Other (specify)							
Subtotal (NFS)							
Non-Federal (State & County)							

[illegible]