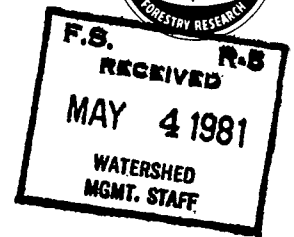


UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

SBNF



REPLY TO: 2520 Watershed Protection and Management  
6520 Financial Management

April 28, 1981

SUBJECT: Emergency Burn Rehabilitation Accomplishment  
Report - Summit Fire

TO: Regional Forester

Attached is the final accomplishment report for the rehabilitation of the Summit Fire. The total cost was \$26,113 of which \$2,200 were FR&T funds. We received authorization to expend \$20,750 on fertilizing, road work, monitoring, administration, and GA. Of this amount, we are turning back \$4,800 which we did not expend on monitoring, administration, and GA. Consequently, we had available \$15,950 of FFF 092 for rehab. Therefore, we request an additional \$1,511 of FFF 092 for fertilizing and \$6,452 of FFF 092 for road work not covered in the initial authorization.

*for*  
*Charles H. [Signature]*  
ROBERT R. TYRREL  
Forest Supervisor

Enclosure

I think they need an  
additional \$3163 to  
balance them out

*RM*  
*5/4/81*

Detailed instructions for use of this form are in the Burned-Area Emergency Rehabilitation Handbook (FSH 2509.13), Section 41.

1. Fire name Summit	2. <input type="checkbox"/> Request <input type="checkbox"/> Initial <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Final <input checked="" type="checkbox"/> Accomplishment report <input type="checkbox"/> FFF <input type="checkbox"/> Other	3. Date of report March 24, 1981
4. State CA	5. County San Bdno	6. Congressional District 35
7. Region 05	8. Forest San Bdno	9. Ranger District Cajon
10. Supervisor fire no. 246	11. Date fire started 11/25/80	12. Date controlled 11/29/80
		13. Estimated suppression cost \$ 700,000
14. Fire suppression damages repaired with FFF 102 funds 1.55 mi. firelines waterbarred 5.6 acres firelines seeded		
15. Fire intensity 0 % low 80 % medium 20 % high		

## NATIONAL FOREST SYSTEM PROBLEM INVENTORY

16. Watershed no. 1807020323 1807020324	17. NFS acres burned 1375	18. Water repellant soil % of NFS area burned
19. Vegetation types		
20. Geologic types		
21. Soil erosion hazard rating % low % med. % high	22. Erosion potential cu. yds./sq. mi.	23. Flood peak potential cu. ft./sec./sq. mi.
24. Miles of stream channels by Regional order or classes		
25. Miles of Forest Service roads and trails by maintenance levels mi. level I rds. mi. level II rds. mi. levels III, IV, V rds. mi. trails		

## CLIMATIC DATA

26. Annual precipitation inches	27. Design storm rainfall during _____ hour period inches 2 yr. frequency inches 10 yr. frequency
28. Annual runoff inches	29. Maximum 30 minute intensity storm inches 2 yr. frequency inches 10 yr. frequency

## SUMMARY OF SURVEY AND ANALYSIS

30. Skills represented on burned area survey team (check) <input type="checkbox"/> Hydrology <input type="checkbox"/> Soils <input type="checkbox"/> Geology <input type="checkbox"/> Range <input type="checkbox"/> Timber <input type="checkbox"/> Wildlife <input type="checkbox"/> Fire Management <input type="checkbox"/> Engineering <input type="checkbox"/> Contracting <input type="checkbox"/> Local Management <input type="checkbox"/> Research <input type="checkbox"/> Other		
31. Describe emergency Increased runoff, erosion, and sedimentation threaten developments, improvements downstream. Site productivity will also be lowered by erosion		
32. Emergency rehabilitation objective Stabilize, by fertilizing to increase ground cover, those slopes which are the most unstable.		
33. Personnel needs for rehabilitation project on NFS lands 0.13 man-years reassigned for \$ 5000 man-years new hires for \$		
34. Probability of completing treatment prior to first major damage-producing storm Land % Channel % Roads % Other %		
35. Net environmental quality benefit index <input type="checkbox"/> Significant <input type="checkbox"/> Not Significant	36. Net social wellbeing benefit index <input type="checkbox"/> Significant <input type="checkbox"/> Not Significant	
37. Benefit/cost ratio Net benefits	38. Cost effectiveness index (check one) <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV	
39. Forest Supervisor approval & date	Regional Forester approval & date	Date funding approved in WO

USDA - Forest Service  
Fire Name

BURNED AREA REPORT

Date of Report

Page 2

ON-SITE AND OFF-SITE DEVELOPMENTS SUBJECT TO 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 as reported on Form 5100-29.)

	No. of units	Estimated value (dollars)
40. Community and urban development	people	
41. Municipal and domestic water supply	people served	
42. Transportation systems	miles	
43. Water distribution systems (irrigation)	miles	
44. Agricultural development (crops, facilities)	acres	
45. Industrial development (dams, power, manufacturing)	number	
46. Power and communication lines	miles	
47. Recreation development	PAOT	
48. Fish habitat	miles	
49. Other (specify)		
TOTAL HAZARD POTENTIAL (Indicates values threatened by design storm. Does not enter into the R/C.)		

NARRATIVE (Optional. May be left out or expanded on additional sheets as needed.)

## BURNED AREA REPORT

Date of Report

Fire Name

## SUMMARY OF EMERGENCY REHABILITATION NEEDS BY LAND OWNERSHIP

Land ownership	50. Acres burned	51. Emergency rehabilitation needs				Source of emergency rehabilitation funds for needed work (dollars)				
		Land Channel (miles)	Road and Trail (miles)	Other	52. FFF	53. 216	54. FR&T	55. Other Federal (name)	56. Non- Federal (name)	57. Total
FEDERAL NFS					092	102				
Other (name)										
Subtotal Federal										
NON-FEDERAL State & county										
Indian reservation										
Private										
Subtotal Non-Federal										
TOTAL										

Fire Name Summit

Date of Report March 24, 1981

## ELIGIBLE EMERGENCY REHABILITATION MEASURES OR TREATMENTS AND SOURCE OF FUNDS

(Emergency rehabilitation is work done promptly following a wildfire and is not to solve watershed problems that existed prior to the wildfire.)

	Units	Unit cost	NFS Lands			Other Lands			Total dollars all lands
			No. of units NFS	FFF092 dollars	Other dollars (Name)	No. of units other	Federal dollars (Name)	Non-Fed. dollars (Name)	
58. <u>LAND</u>									
Seeding	Acres								
Fertilize	Acres	28.61	100	1350	1511**				2861
Monitoring (not used)				(2000)					
Administration (not used)				(1200)					
G.A. (not used)				(500)					
59. <u>CHANNELS</u>									
Opening water courses	Miles								
Stabilizing streambanks	Miles								
60. <u>ROADS &amp; TRAILS</u>									
Drains	Each		4	14,600	2200* 6452**				23,252
G.A. (not used)				(1,100)					
61. <u>MAJOR STRUCTURES</u>									
Preplanned -- from Forest Plans	Each								
TOTAL				15,950	10,163				26,113

\* FR&amp;T Funds

\*\* Additional FFF 092 funds needed.

EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM

62.

EXPECTED DAMAGE REDUCTION BENEFIT SUMMARY

at current Water Resources Council interest rate of \_\_\_ percent

Economic benefit indices	Units of measure	Damage expected				Expected \$ damage reduction
		Without treatment		With treatment		
		No. of units	Present value \$	No. of units	Present value \$	
WATERSHED IMPACTS						
SEDIMENTS						
Downstream water storage						
Sediment removal						
Fish habitat						
Water quality						
FLOOD WATER						
Land						
Improvements						
Subtotal watershed						
RESOURCE RELATED IMPACTS						
Range						
Wildlife and recreation						
Timber						
Subtotal resource related						
OTHER IMPACTS						
Subtotal other						
Total dollars						

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

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

## EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM

63. (Table 4)

ENVIRONMENTAL QUALITY BENEFIT INDEX

ENVIRONMENTAL CRITERIA	Weight Factor	Without treatment		With treatment		Difference	
		Actual	Weighted	Actual	Weighted	Actual	Weighted
Erosion and sediment							
Aesthetic land quality							
Water quality							
Site productivity							
Wildlife habitat							
Fish habitat							
Other							
TOTAL							
Average weighted index							
Net environmental quality benefit index							

64. (Table 5)

SOCIAL WELL-BEING BENEFIT INDEX

SOCIAL CRITERIA	Weight Factor	Without treatment		With treatment		Difference	
		Actual	Weighted	Actual	Weighted	Actual	Weighted
Life, health, safety							
Employment							
Recreational opportunity							
Economic stability							
Income distribution							
Preserve special sites							
Other							
TOTAL							
Average weighted index							
Net social well-being benefit index							

