



UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

RO

REPLY TO: 2520 Watershed Protection and Management
6520 Financial Management

June 1, 1981

SUBJECT: Final Emergency Burn Rehabilitation Accomplishment
Reports - Summit, Sycamore, and Panorama Fires, 1981

TO: Forest Supervisor, San Bernardino National Forest

We have your memos of 4/27 and 4/28 transmitting the subject reports. Concisely, the situations as we see them are:

Panorama Fire

FFF 092 Obligational Authority	\$ 379,750
FFF 092 Total Expenditures	<u>\$ 355,633</u>

FFF 092 - Net Surplus \$ 24,117

You are authorized to reprogram the FFF 092 funds among approved rehabilitation measures to produce the net surplus shown. We will withdraw the net surplus obligational authority.

In addition, you have expended \$86,864 of P&M funds in a long-term burn restoration effort. This exceeds by \$9,464 the amount of \$77,400 you were authorized to expend.

Summit Fire

FFF 092 Total Expenditures	\$ 23,913
FFF 092 Obligational Authority	<u>\$ 20,750</u>

FFF 092 - Net Deficit \$ 3,163

You are authorized to reprogram the FFF 092 funds among approved rehabilitation measures to produce the net deficit shown.

Sycamore Fire

You have utilized all of the \$24,000 in FFF 092 obligational authority extended to you and expended an additional \$10,352 of P&M funds in a long-term burn restoration effort.



May 12, 1981

FFF 092 Fund Summary

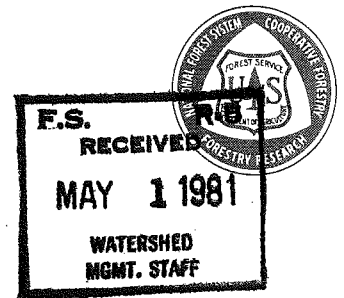
Angeles has surplus - must to go back to WO.	\$68,000 <u>1/</u>
San Bernardino has surplus if Bob Cermak agrees with our recommendations.	25,000
RO still has a balance left from its \$250,000 authority.	9,500
Total surplus in the Region pending Cermak decisions.	101,500
Total net deficit (Angeles NF & SBNF)	<u>10,200</u>
Total net surplus if the surplus is used to cover deficit.	91,300

I suggest, in any case, the Region return all obligational authority to WO for the balance of FY 1981.

1/ Angeles asked to cover \$7,000 deficit on the Stable Fire. Request denied at this time. This denial ought to be reversed if Cermak grants a switch in funds from a surplus on the Panorama Fire to cover a deficit on the Summit Fire.

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

SBNF



REPLY TO: 2520 Watershed Protection and Management
6520 Financial Management

April 27, 1981

SUBJECT: Emergency Burn Rehabilitation Accomplishment
Report - Panorama Fire

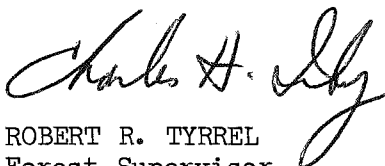
TO: Regional Forester

Attached is the final accomplishment report for the Panorama Fire. The total rehabilitation cost was \$509,101 of which \$17,304 was for seeding private lands. The California Department of Forestry has been billed for this amount. Consequently, the cost to the Forest Service is \$491,797. Of this amount, \$49,300 is FR&T and ERFO funds for a total FFF expenditure of \$442,497.

86,864 — ~~2*~~ We received authorization to spend \$379,750 on seeding, fertilizing, soil ripping, channel clearing, debris removal, and road work. We did not do the soil ripping or the debris removal. The soil ripping was not done because the sites we had tentatively identified were not conducive to treatment and the debris we had identified turned out to be on private land. Therefore, \$52,250 of the authorized FFF 092 funds were not used. In addition to the \$327,500 of FFF 092, \$49,300 of FR&T and ERFO were spent, plus \$114,997 of P&M funds. Consequently, we are requesting an additional \$11,378 of FFF 092 for road work and \$16,755 of FFF 092 for fertilizing. In addition to this, we request the reprogramming of P&M funds in the amount of \$86,864 to cover the cost of seeding, monitoring, and the administration of the rehabilitation project. This figure exceeds the \$77,400 you authorized by \$9,464. The higher cost is due to higher than expected helicopter costs. It is our understanding that reprogramming will take place at the Regional level.

In summary, our request for additional funding is as follows:

FFF 092 -	\$28,133
P&M -	\$86,864
Total	\$114,997

for 
ROBERT R. TYRREL
Forest Supervisor

Enclosure

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

1. Fire name Panorama	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 April 24, 1981
4. State CA	5. County San Bdn	6. Congressional District 37
7. Region 05	8. Forest San Bdn	9. Ranger District Cajon/Arrowhead/San Gorgonio
10. Supervisor fire no. 243	11. Date fire started Nov. 24, 1980	12. Date controlled Nov. 29, 1980
13. Estimated suppression cost \$3,250,000		
14. Fire suppression damages repaired with FFF 102 funds 35 mi. firelines waterbarred 90 acres firelines seeded		
15. Fire intensity 0 % low 35 % medium 65 % high		

NATIONAL FOREST SYSTEM PROBLEM INVENTORY

16. Watershed no. See Attached	17. NFS acres burned 15,286	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 homes and improvements on both private and Federal land.	
32. Emergency rehabilitation objective Stabilize, by seeding and fertilizing, those slopes which threaten urban areas; clear channels to hasten water flows; and increase size of road drains to avoid channel erosion.	
33. Personnel needs for rehabilitation project on NFS lands 0.4 man-years reassigned for \$ 10,000 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 acres)	Channel (miles)	Road and Trail (miles)	Other	52. FFF		53. 216	54. FR&T	55. Other Federal (name)	56. Non- Federal (name)	57. Total
						092	102					
FEDERAL NFS												
Other (name)												
Subtotal Federal												
NON-FEDERAL State & county												
Indian reservation												
Private												
Subtotal Non-Federal												
TOTAL												

Fire Name Panorama

Date of Report April 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	18.02	6550	39300	78759*	3713	8652**	8652***	135,363
Fertilizing	Acres	25.36	1418	19200	16755				35955
Monitoring	Person Days	100	50		5000*				5000
Admin	Person Days	115	15		1725*				1725
Soil Ripping (not used)				(2250)					
59. <u>CHANNELS</u>									
Opening water courses	Miles	2000	7.0	14,000	1380*				15380
Stabilizing streambanks	Miles								
Debris removal (not used)				(50,000)					
60. <u>ROADS & TRAILS</u>					49,300*				
Drainage struct.				255,000	11,378				315,678
61. <u>MAJOR STRUCTURES</u>									
Preplanned -- from Forest Plans	Each								
TOTAL				327,500	164,297		8652	8652	509,101

* Watershed P&M funds to be reprogrammed at the Regional level.

** Sec 403 funds.

*** State and local agency matching funds.

**** FR&T (46%); ERFO (54%)

***** 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							

