

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

1. Fire name <u>Cachuma</u>	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 checked="" type="checkbox"/> FFF <input type="checkbox"/> Other	3. Date of report <u>4/6/79</u>
4. State <u>Calif</u>	5. County <u>Santa Barbara</u>	6. Congressional District <u>19</u>
7. Region <u>5</u>	8. Forest <u>Los Padres</u>	9. Ranger District <u>Santa Barbara</u>
10. Supervisor <u>fire no. 558</u>	11. Date fire started <u>7/31/77</u>	12. Date controlled <u>8/3/77</u>
13. Estimated suppression cost \$ <u>586,946</u>		
14. Fire suppression damages repaired with FFF 102 funds mi. firelines waterbarred _____ acres firelines seeded _____		
15. Fire intensity <u>25 % low</u> <u>25 % medium</u> <u>50 % high</u>		

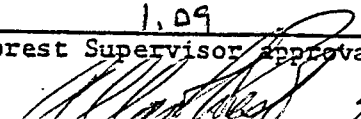
NATIONAL FOREST SYSTEM PROBLEM INVENTORY

16. Watershed no. <u>1806</u>	17. NFS acres burned <u>1666</u>	18. Water repellent soil <u>15 % of NFS area burned</u>
19. Vegetation types <u>Chamise, manzanita, pine, Annual grass</u>		
20. Geologic types <u>Serpentine Monterey shale-upper, Franciscan S.S. & greenstone</u>		
21. Soil erosion hazard rating <u>% low % med. % high</u>	22. Erosion potential <u>12,200 cu. yds./sq. mi.</u>	23. Flood peak potential <u>cu. ft./sec./sq. mi.</u>
24. Miles of stream channels by Regional order or classes <u>III - 4 miles</u>		
25. Miles of Forest Service roads and trails by maintenance levels <u>0 mi. level I rds. 0 mi. level II rds. 1 mi. levels III, IV, V rds. mi. trails</u>		

CLIMATIC DATA

26. Annual precipitation <u>20-25 inches</u>	27. Design storm rainfall during _____ hour period <u>inches 2 yr. frequency inches 10 yr. frequency</u>
28. Annual runoff <u>10 inches</u>	29. Maximum 30 minute intensity storm <u>0.5 inches 2 yr. frequency inches 10 yr. frequency</u>

SUMMARY OF SURVEY AND ANALYSIS

30. Skills represented on burned area survey team (check) <input checked="" type="checkbox"/> Hydrology <input checked="" type="checkbox"/> Soils <input checked="" 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 Accelerated erosion from severely burned watershed would cause channel damage, Road damage - fords, loss of fish habitat, accelerated siltation and poor water quality into lake Cachuma which is a principle water supply for the south coast of Santa Barbara	
32. Emergency rehabilitation objective Minimize effect of increased runoff and debris productions and damage to roads, reduce the accelerated siltation and poor water quality into Lake Cachuma	
33. Personnel needs for rehabilitation project on NFS lands <u><0</u> man-years reassigned for \$ <u>2,000</u> or less man-years new hires for \$ _____	
34. Probability of completing treatment prior to first major damage-producing storm Land 100 % Channel % Roads % Other %	
35. Net environmental quality benefit index <input checked="" type="checkbox"/> Significant <input type="checkbox"/> Not Significant	36. Net social wellbeing benefit index <input checked="" type="checkbox"/> Significant <input type="checkbox"/> Not Significant
37. Benefit/cost ratio <u>1.09</u> Net benefits	38. Cost effectiveness index (check one) <input checked="" type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV
39. Forest Supervisor approval & date  <u>4/23/79</u>	Regional Forester approval & date _____ Date funding approved in WO _____

Fire Name Cachuma

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 80,000	
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 B/C.)

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

BURNED AREA REPORT

Fire Name

Cachuma

Date of Report

4/6/79

SUMMARY OF EMERGENCY REHABILITATION NEEDS BY LAND OWNERSHIP

50. Acres burned		51. Emergency rehabilitation needs				52. Source of emergency rehabilitation funds for needed work (dollars)						
		Land (acres)	Channel (miles)	Road and Trail (miles)	Other	53. FFF		54. FR&T	55. Other Federal (name) B. Recl.	56. Non-Federal (name)	57. Total	
Land ownership						094	102					
FEDERAL NFS	1666	987					\$ 4206		\$ 3420		\$ 7626	
Other (name)												
Subtotal Federal												
NON-FEDERAL State & county												
Indian reservation	200	93										
Private									B. Recl. \$ 719		\$ 719	
Subtotal Non-Federal												
TOTAL	1866	1080					\$ 4206		\$ 4139		\$ 8345	

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	FFF 094 dollars	Other dollars (Name)	No. of units other	Federal dollars (Name)	Non-Fed. dollars (Name)	
58. <u>LAND</u>					B. Reel		B. Reel.		
Seeding	Acres								
Helicopter Seeding with Perennial Rye	1080	\$ 7.73	\$ 987	\$ 4206	\$ 3420	\$ 93	\$ 719		\$ 8345
59. <u>CHANNELS</u>									
Opening water courses	0 Miles								
Stabilizing streambanks	0 Miles								
60. <u>ROADS & TRAILS</u>									
	0								
61. <u>MAJOR STRUCTURES</u>									
Preplanned -- from Forest Plans	0 Each								
TOTAL				\$ 4206	\$ 3420		\$ 719		\$ 8345

10-23-77