

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

1. Fire name <i>CAP</i>		2. <input type="checkbox"/> Request <input type="checkbox"/> Initial <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Final		3. Date of report <i>APRIL 19, 1979</i>	
		<input checked="" type="checkbox"/> Accomplishment report <input checked="" type="checkbox"/> FFF <input type="checkbox"/> Other			
4. State <i>CA.</i>	5. County <i>SERRA</i>	6. Congressional District <i>02</i>	7. Region <i>5</i>	8. Forest <i>Tahoe</i>	9. Ranger District <i>Downieville R.D.</i>
10. Supervisor <i>fire no. 090</i>		11. Date fire started <i>AUGUST 8, 1978</i>	12. Date controlled <i>AUGUST 13, 1978</i>	13. Estimated suppression cost \$ <i>1,329,102</i>	
14. Fire suppression damages repaired with FFF 102 funds <i>10.25 mi. firelines waterbarred 10 acres firelines seeded</i>					
15. Fire intensity <i>10 % low 20 % medium 70 % high</i>					

NATIONAL FOREST SYSTEM PROBLEM INVENTORY

16. Watershed no. <i>17-05-05-03</i>	17. NFS acres burned <i>1830</i>	18. Water repellant soil <i>10 % of NFS area burned</i>
19. Vegetation types <i>MIXED CONIFER 30%, BRUSH 40%, HARDWOODS 30%</i>		
20. Geologic types <i>METASEDIMENTARY AND ULTRABASIC INTRUSIVE (SERPENTIZED) ROCK</i>		
21. Soil erosion hazard rating <i>0 % low 10-20 % med 80-90 % high</i>	22. Erosion potential <i>17532 cu. yds./sq. mi.</i>	23. Flood peak potential <i>600 cu. ft./sec./sq. mi.</i>
24. Miles of stream channels by Regional order or classes <i>1st order - 3.8 mi; 2nd order 1.9 miles; 3rd order = 0.4 miles</i>		
25. Miles of Forest Service roads and trails by maintenance levels <i>5 mi. level I rds. 2 mi. level II rds. 0 mi. levels III, IV, V rds. 0 mi. trails</i>		

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. <i>LIGHTNING CAUSED WILDFIRE BURNED THROUGH BRUSH (AREA PREVIOUSLY BURNED IN 1966 COYOTE FIRE) AND 18 MM OF MIXED CONIFER TIMBER FIRE BURNED OVER 90% OF COYOTE DRAINAGE AND ABOUT 50-60% OF SAILOR RAVINE DRAINAGE AND UPPER FRINGES OF ROSARCO RAVINE. ABOUT 1/2 MI. NORTHWEST OF DOWNIEVILLE. MAIN CONCERNS ARE SEDIMENTATION AND DAMAGE TO HWY. 49.</i>	
32. Emergency rehabilitation objective <i>STABILIZE SOILS TO MINIMIZE SEDIMENTATION TO DOWNIE RIVER AND NORTH YUBA RIVER; REDUCE SEDIMENTATION AND PEAK FLOWS IN COYOTE RAVINE; MAINTAIN TIMBER QUALITY.</i>	
33. Personnel needs for rehabilitation project on NFS lands <i>0.85 man-years reassigned for \$ 6,420 0 man-years new hires for \$</i>	
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 well-being 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 <i>Ken B. Larson 4/20/79</i>	Regional Forester approval & date Data funding approved in NO

Fire Name

Date of Report

SUMMARY OF EMERGENCY REHABILITATION NEEDS BY LAND OWNERSHIP

50. Land ownership	Acres burned	51. Emergency rehabilitation needs				52. Source of emergency rehabilitation funds, ^{Obligated} for needed work (dollars)						57. Total
		Land (acres)	Channel (miles)	Road and Trail (miles)	Other	52. 094 <i>Obligated</i>	FFR 102	53. 216	54. FR&T	55. Other Federal (name)	56. Non- Federal (name)	
FEDERAL NFS						<i>\$12,420</i>						
Other (name)						0						
Subtotal Federal						<i>\$12,420</i>						
NON-FEDERAL State & county						0						
Indian reservation						0						
Private						0						
Subtotal Non-Federal						0						
TOTAL						<i>\$12,420</i>						

From PAMARS Financial Statement for period ending March 31, 1979.

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 B/C.)

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

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							

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

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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>									
Seeding	Acres	14.35	670 ²	12,220	5				12,220
59. <u>CHANNELS</u>									
Opening water courses	Miles	322.66	APPROX. 30	0	Y.A.C.C. 51 968.60				968.60
Stabilizing streambanks	Miles								
60. <u>ROADS & TRAILS</u>									
TRASH RACKS	EACH	123.66	3	200 ³	Y.A.C.C. 41 296	1			496
DITCH CLEANING	MILES	250				3		STATE #750 APPROX.	750
61. <u>MAJOR STRUCTURES</u>									
Preplanned -- from Forest Plans	Each								
TOTAL				12,420 ¹	1264.60			750	14,434.60

1) From PAMARS Financial Statement for period ending March 31, 1979.
IN ADDITION, \$2,800 FOR WEDGELEAF CEANOETHUS SEED WAS PURCHASED FOR AN ADDITIONAL 100 ACRES OF WILDLIFE HABITAT IMPROVEMENT. - NOT FFF 094 CHARGE.

2) 470 ACRES AERIALY SEEDED; 200 ACRES HAND SEEDED T2500-8 (7/78)
BY Y.A.C.C.

3) SUPPLIES AND LABOR

4) 102 MAN-HOURS.

5) 334 MAN-HOURS