

Specific instructions for use of this form are attached. Overall instructions are in FSM 2523 and the Emergency Wildfire Rehabilitation Handbook (FSH 2509.13).

1. Fire name Cotter Bar II	2. Request <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Interim <input type="checkbox"/> Final Accomplishment report <input type="checkbox"/> FFF <input type="checkbox"/> Other	3. Date of report 8/22/77
4. State Idaho	5. County Idaho	6. Congressional District 1
7. Region I	8. Forest NezP 17	9. Ranger District Clearwater
10. Supervisor fire no. 0098	11. Date fire started 8/7/77	12. Date controlled 8/21/77
13. Estimated suppression cost \$ 650,000		
14. Fire suppression damages repaired with FFF 102 funds 30 mi. firelines waterbarred 120 acres firelines seeded		
15. Fuel type fire intensity 60% light 40% moderate <u>30</u> % extreme		

NATIONAL FOREST SYSTEM PROBLEM INVENTORY

16. Watershed no. 17060305-22	17. NFS acres burned 4,350	18. Water repellant soil 0 % of NFS area burned
19. Vegetation types Ponderosa Pine, Douglas Fir, Savannah		
20. Geologic types Granite/Basalt		
21. Soil erosion hazard rating Severe	22. Erosion potential (352) cu. yds./sq. mi.	23. Storm peak potential 0.1 cu. ft./sec./sq. mi.
24. Miles of stream channels by Regional order or classes 1st Order 13.9 2nd 2.3 3rd 0.6		
25. Miles of Forest Service roads by maintenance levels mi. level I 0.5 mi. level II mi. levels III, IV, V		

CLIMATIC DATA

26. Annual precipitation 25-40 inches	27. Design storm rainfall during 6 hour period 1.0 inches 2 yr. frequency 1.5 inches 10 yr. frequency
28. Annual runoff 5-10 inches	29. Maximum 30 minute intensity storm 0.4 inches 2 yr. frequency 0.6 inches 10 yr. frequency

SUMMARY OF SURVEY AND ANALYSIS

30. Skills represented on burned area survey team (check)		Air
<input checked="" type="checkbox"/> Hydrology <input checked="" type="checkbox"/> Soils <input type="checkbox"/> Geology <input type="checkbox"/> Range <input type="checkbox"/> Timber <input type="checkbox"/> Wildlife <input checked="" type="checkbox"/> Fire/Management	<input checked="" type="checkbox"/> Engineering <input type="checkbox"/> Contracting <input type="checkbox"/> Local Management <input type="checkbox"/> Research	
31. Describe emergency Down slope soil movement on steep river canyon walls		
32. Emergency rehabilitation objective Stabilize surface soil on steep granitic slopes above South Fork of Clearwater River		
33. Personnel needs for rehabilitation project on NFS lands man-years reassigned for \$.023 man-years new hires for \$ 2,400		
34. Probability of completing treatment prior to first major damage-producing storm Land 70 % 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 0.24	38. Cost effectiveness index (check one) <input type="checkbox"/> I <input checked="" 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

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 water supply	people served	
42. Transportation systems	miles 9	\$900,000
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 9	
47. Recreation development	PAOT	
48. Fish habitat	miles 9	\$ 6,500
49. Other (specify)		
TOTAL HAZARD POTENTIAL		

SUMMARY OF EMERGENCY REHABILITATION NEEDS BY LAND OWNERSHIP

Land ownership	50. Acres burned	51. Emergency rehab needs				Source of emergency rehabilitation funds for needed work (dollars)					
		Land acres	Channel miles	Road miles	Other	52 FFF	53 216	54 FR&T	55 Other Fed. (Name)	56 Non-Fed. (Name)	57 Total
FEDERAL NFS	4190	3240				49086					
Other (name)											
Subtotal	4190	3240				49086					
NON-FEDERAL State and county											
Private	160	160				2424					
Indian											
Subtotal	4350	3400				51510					
TOTAL	4350	3400				51510					

Fire Name

Date of Report

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	9.24	3240	\$29,938		160	1478 FFF094		
Fertilizing	3400	5.91	3240				946 FFF094		
			3240	19,148					
59. <u>CHANNELS</u>									
Opening water courses	Miles								
Stabilizing streambanks	Miles								
60. <u>ROADS</u>									
Ditch cleaning	Miles								
61. <u>MAJOR STRUCTURES</u>									
Preplanned structures from Unit Plans	Each								
TOTAL				\$49,086			2424		\$51,500

EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM

62. ECONOMIC BENEFITS SUMMARY WITH _____ PERCENT INTEREST RATE

ECONOMIC CRITERIA	Units of measure	Without treatment		With treatment		Difference in present value \$
		No. of units	Present value \$	No. of units	Present value \$	
SEDIMENTATION IMPACTS						
Downstream storage						
Sediment removal						
Steelhead	Angler		156	50	\$ 1,250	\$ 1,095
Fish habitat	Days	62	651	500	5,250	4,599
Rainbow						
Water quality	Acre Feet	3422	0	3,422	6,844	6,844
FLOOD WATER DAMAGE						
Land						
Property						
OTHER						
TOTAL DOLLARS			807		\$13,334	\$12,537

63. ENVIRONMENTAL QUALITY BENEFIT INDEX

ENVIRONMENTAL CRITERIA	Weight Factor	Without treatment		With treatment		Difference	
		Actual	Weighted	Actual	Weighted	Actual	Weighted
Erosion and sediment	10	3	30	1	10	2	20
Aesthetic land quality	1	1	1	1	1	0	0
Water quality	10	3	30	2	20	1	10
Ecological benefits	4	3	12	1	4	2	8
Fish & wildlife habitat	5	3	15	1	5	2	10
Other	0	0	0	0	0	0	0
TOTAL	30		88		40		48
Average weighted index			2.93		1.33		1.60
Net environmental quality benefit index							1.6

64. SOCIAL WELLBEING BENEFIT INDEX

SOCIAL CRITERIA	Weight Factor	Without treatment		With treatment		Difference	
		Actual	Weighted	Actual	Weighted	Actual	Weighted
Life, health, safety	8	3	24	1	8	2	16
Employment	1	1	1	1	1	0	0
Recreational opportunity	6	2	12	1	6	1	6
Economic stability	1	1	1	1	1	0	0
Income distribution	1	1	1	1	1	0	0
Preserve special sites	1	1	1	1	1	0	0
Other	0	0	0	0	0	0	0
TOTAL	18		40		18		22
Average weighted index			2.22		1.0		1.22
Net social wellbeing benefit index							1.2