

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 <i>Red Dirt</i>	2. Request <input type="checkbox"/> Initial <input type="checkbox"/> Interim <input type="checkbox"/> Final Accomplishment report <input checked="" type="checkbox"/> FFF <input checked="" type="checkbox"/> Other	3. Date of report
4. State <i>Colorado</i>	5. County <i>Eagle</i>	6. Congressional District <i>4</i>
7. Region <i>2</i>	8. Forest <i>White River</i>	9. Ranger District <i>Eagle</i>
10. Supervisor <i>Fire no. 052</i>	11. Date fire started <i>10/11/75</i>	12. Date controlled <i>10/14/75</i>
13. Estimated suppression cost \$ <i>600,000</i>		
14. Fire suppression damages repaired with FFF 102 funds <i>16</i> mi. firelines waterbarred <i>70</i> acres firelines seeded		
15. Fuel type fire intensity <i>10</i> % light <i>20</i> % moderate <i>70</i> % extreme		

NATIONAL FOREST SYSTEM PROBLEM INVENTORY

16. Watershed no. <i>25</i>	17. NFS acres burned <i>4300</i>	18. Water repellent soil <i>50</i> % of NFS area burned
19. Vegetation types <i>Engelmann Spruce, Lodgepole Pine, Douglas fir, Oak brush</i>		
20. Geologic types <i>Sandstone Basalt</i>		
21. Soil erosion hazard rating <i>Moderate</i>	22. Erosion potential <i>4060</i> cu. yds./sq. mi.	23. Storm peak potential <i>10</i> cu. ft./sec./sq. mi.
24. Miles of stream channels by Regional classes <i>Deer Creek 2 1/2 miles, 1st order stream (Red Dirt & S. Fork Creek are outside NFS burn)</i>		
25. Miles of Forest Service roads by maintenance levels <i>0</i> mi. level I <i>0</i> mi. level II <i>4.5</i> mi. levels III, IV, V		

CLIMATIC DATA

26. Annual precipitation <i>25</i> inches	27. Design storm rainfall during <i>1</i> hour period <i>1.2</i> inches 2 yr. frequency <i>2.4</i> inches 10 yr. frequency
28. Annual runoff <i>10</i> inches	29. Maximum 30 minute intensity storm <i>0.5</i> inches 2 yr. frequency <i>.7</i> inches 10 yr. frequency

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 type="checkbox"/> Geology <input checked="" type="checkbox"/> Range <input checked="" type="checkbox"/> Timber <input checked="" type="checkbox"/> Wildlife <input checked="" type="checkbox"/> Fire Management <input checked="" type="checkbox"/> Engineering <input checked="" type="checkbox"/> Contracting <input checked="" type="checkbox"/> Local Management <input type="checkbox"/> Research		
31. Describe emergency potential damage to <i>Derby Creek, Deer Creek, Red Dirt Creek, South Derby Irrigation Ditch, Lion Basin Ditch</i> <i>Onsite Production potential</i>		
32. Emergency rehabilitation objective <i>Control onsite erosion through establishment of a vegetative cover; Prevent damage to three perennial streams, perennial</i>		
33. Personnel needs for rehabilitation project on NFS lands <i>0.5</i> man-years reassigned for \$ <i>10,000</i> man-years new hires for \$ <i>0</i>		
34. Probability of completing treatment prior to first major damage-producing storm Land <i>20</i> % Channel <i>0</i> % Roads <i>0</i> % Other <i>0</i> %		
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 <i>20,000 / 1</i>	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

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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 4.5	2,250
43. Water distribution systems (irrigation)	miles 8	2560
44. Agricultural development (crops, facilities)	acres 6,400	1,280,000
45. Industrial development (dams, power, manufacturing)	number 0	0
46. Power and communication lines	miles 0	0
47. Recreation development	PAOT 0	0
48. Fish habitat	miles 8	8000
49. Other (specify)	0	0
TOTAL HAZARD POTENTIAL		1,292,710

SUMMARY OF EMERGENCY REHABILITATION NEEDS BY LAND OWNERSHIP

Land ownership	50.	51. Emergency rehab needs				Source of emergency rehabilitation funds for needed work (dollars)					
	Acres burned	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	4,300	2200	—	6.0	—	23115	—	—	602-094 10880	—	33,995
Other (name)	—	—	—	—	—	—	—	—	—	—	—
Subtotal	4300	2200	—	6.0	—	23115	—	—	10880	—	33,995
NON-FEDERAL State and county	—	—	—	—	—	—	—	—	—	—	—
Private	250	250	—	—	—	—	—	—	—	—	—
Indian	—	—	—	—	—	—	—	—	—	—	—
Subtotal	250	250	—	—	—	—	—	—	—	—	—
TOTAL	4550	2450	—	6.0	—	23115	—	—	10880	—	33995

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. LAND									
Seeding	Acres	12.73	2200	17,115	10,880	—	—	—	27,995
Seeding water bar	Miles		16	1,600	—	—	—	—	1,600
59. CHANNELS									
Opening water courses	Miles	—	—	—	—	—	—	—	—
Stabilizing streambanks	Miles	—	—	—	—	—	—	—	—
60. ROADS									
Ditch cleaning	Miles	—	—	—	—	—	—	—	—
Water barring	Miles	100	6	6,000	—	—	—	—	6,000
61. MAJOR STRUCTURES									
Preplanned structures from Unit Plans	Each	—	—	—	—	—	—	—	—
TOTAL.				24,715	10,880	—	—	—	35,595

