

UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

Dean  
Attn: Kermit Larse  
or  
Gene Rocker

R-5

REPLY TO: 2520 Watershed Protection and Management  
6510 Appropriations and Funds

October 18, 1978

SUBJECT: Emergency Burn Area Rehabilitation -  
Cozy Dell Fire, Los Padres National Forest

TO: Chief



The Burn Area Report, Form 2500-8, for the subject fire is attached. We are requesting authority to obligate \$3,040 of FFF-094 to accomplish the emergency burn area rehabilitation of NFS lands as outlined on page 3 of the attached form. Your early reply will be appreciated.

*Robert W. Cannon*  
ZANE G. SMITH, Jr.  
Regional Forester

Enclosure

UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

Los Padres National Forest

REPLY TO: 2510 Watershed Surveys and Plans

October 13, 1978

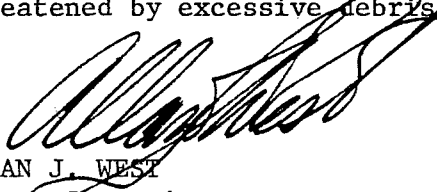
SUBJECT: Emergency Burn Rehabilitation  
Cozy Dell Fire, 9/25/78

TO: Regional Forester

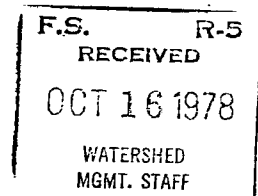


Enclosed are two copies of the Burned Area Report (Form 2500-8) for the Cozy Dell fire.

The emergency rehabilitation measure deemed appropriate is the seeding of 760 acres of National Forest System land and 120 acres of private land to help stabilize the soil and diminish sediment input into a municipal water supply diversion structure on the Ventura River. Two homes and State Highway 33 are also threatened by excessive debris and runoff.

  
ALLAN J. WEST  
Forest Supervisor

Enclosure

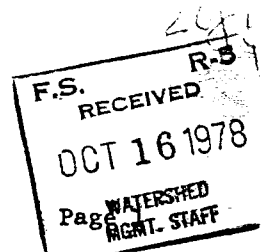


41-2

USDA Forest Service

## Exhibit 1

## BURNED AREA REPORT



Specific instructions for use of this form are attached. Overall instructions are in FSM 2523 and FSH 2509.13, Burned-Area Emergency Rehabilitation Handbook.

1. Fire name Cozy Dell		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 10/13/78	
4. State CA	5. County Ventura	6. Congressional District 19	7. Region 5	8. Forest Los Padres	9. Ranger District Ojai
10. Supervisor fire no. 075		11. Date fire started 9/25/78	12. Date controlled 9/27/78	13. Estimated suppression cost \$450,000	
14. Fire suppression damages repaired with FFF 102 funds 5.5 mi. firelines waterbarred 27 acres firelines seeded					
15. Fuel type fire intensity 10 % light 30 % moderate 60 % extreme					

## NATIONAL FOREST SYSTEM PROBLEM INVENTORY

16. Watershed no. 18-00-00-00-24		17. NFS acres burned 757 NF/153 Pvt.		18. Water repellent soil 10% of NFS area burned	
19. Vegetation types 85% Chaparral, 15% Oak Woodland					
20. Geologic types Matilija, Juncal, Cozy Dell					
21. Soil erosion hazard rating L M <u>(H)</u>		22. Erosion potential 48,000 cu. yds./sq. mi.		23. Storm peak potential 490 cu. ft./sec./sq. mi.	
24. Miles of stream channels by Regional order or classes .5 miles - Class III 1.2 miles - Class IV					
25. Miles of Forest Service roads by maintenance levels - mi. level I - mi. level II - mi. levels III, IV, V					

## CLIMATIC DATA

26. Annual precipitation 27 inches		27. Design storm rainfall during 24 hour period 1.84 inches 2 yr. frequency 2.03 inches 10 yr. frequency	
28. Annual runoff 9 inches		29. Maximum 30 minute intensity storm .5 inches 2 yr. frequency - 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 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	
31. Describe emergency Damaging peak flows and debris to State Highway 33 and 2 homes, debris into water diversion structure on Ventura River.	
32. Emergency rehabilitation objective Reduce peak flows and debris damage to State Highway 33, 2 homes and water diversion structure on the Ventura River.	
33. Personnel needs for rehabilitation project on NFS lands - man-years reassigned for \$ - - 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 6.6/1	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 Regional Forester approval & date Date funding approved in WO <i>[Signature]</i> 10/13/78 <i>[Signature]</i> 10/18/78	

2500-8

Revised 4/77

3 of 5

USDA - Forest Service  
Fire Name

Exhibit 1 -- Continued  
BURNED AREA REPORT

Date of Report

41-3  
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 10	150,000
41. Municipal water supply	people served 50,000	2,500,000
42. Transportation systems	miles 1	25,000
43. Water distribution systems (irrigation)	miles	--
44. Agricultural development (crops, facilities)	acres 5	10,000
45. Industrial development (dams, power, manufacturing)	number	--
46. Power and communication lines	miles 1	20,000
47. Recreation development	PAOT	---
48. Fish habitat improvements	miles	---
49. Other (specify)		
*TOTAL HAZARD POTENTIAL		2,705,000

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	53	54	55	56	57
						FFF	216	FR&T	Other Fed. (Name)	Non-Fed. (Name)	Total
FEDERAL NFS	760	760	--	--	--	102 094 760	--	--	--	--	760
Other (name)											
Subtotal											
NON-FEDERAL State and county											
Private	120	120								RC&D 120	120
Indian											
Subtotal											
TOTAL	880	880	--	--	--	760	--	--	--	120	880

2500-8  
Revised 4/77

\*Does not enter into the B/C - merely an indication of values threatened.

4 of 5

41-4

Exhibit 1 -- Continued

USDA-Forest Service

BURNED AREA REPORT

Page 3

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								
	760	4	760	3040	--	--	--	--	3040
	120	4	--	--	--	120	--	RC&D	480
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				3040	--		--	--	3520

5 of 5

USDA-Forest Service  
Fire Name

Exhibit 1 -- Continued

BURNED AREA REPORT

Date of Report

41-5  
Page 4

EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM

EXPECTED DAMAGE REDUCTION BENEFIT SUMMARY @ \_\_\_\_\_ PERCENT INTEREST

62.

ECONOMIC CRITERIA	Units of measure	DAMAGES EXPECTED				Expected \$ Damage Reduction
		Without treatment		With treatment		
		No. of units	Present value \$	No. of units	Present value \$	
SEDIMENTATION IMPACTS						
Downstream storage	--					
Sediment removal	yards	44,000	88,000	34,000	68,000	20,000
Fish habitat	--					
Water quality	--					
FLOOD WATER DAMAGE						
Land	--					
Improvements	--					
OTHER						
TOTAL DOLLARS			88,000		68,000	20,000

63.

ENVIRONMENTAL QUALITY BENEFIT INDEX

ENVIRONMENTAL CRITERIA	Weight Factor	Without treatment		With treatment		Difference	
		Actual	Weighted	Actual	Weighted	Actual	Weighted
Erosion and sediment	10	2	20	1	10	1	10
Aesthetic land quality							
Water quality	4	2	8	1	4	1	4
Ecological benefits							
Wildlife habitat							
Fish habitat							
Other							
TOTAL	14		28		14		14
Average weighted index			2		1		1
Net environmental quality benefit index							1

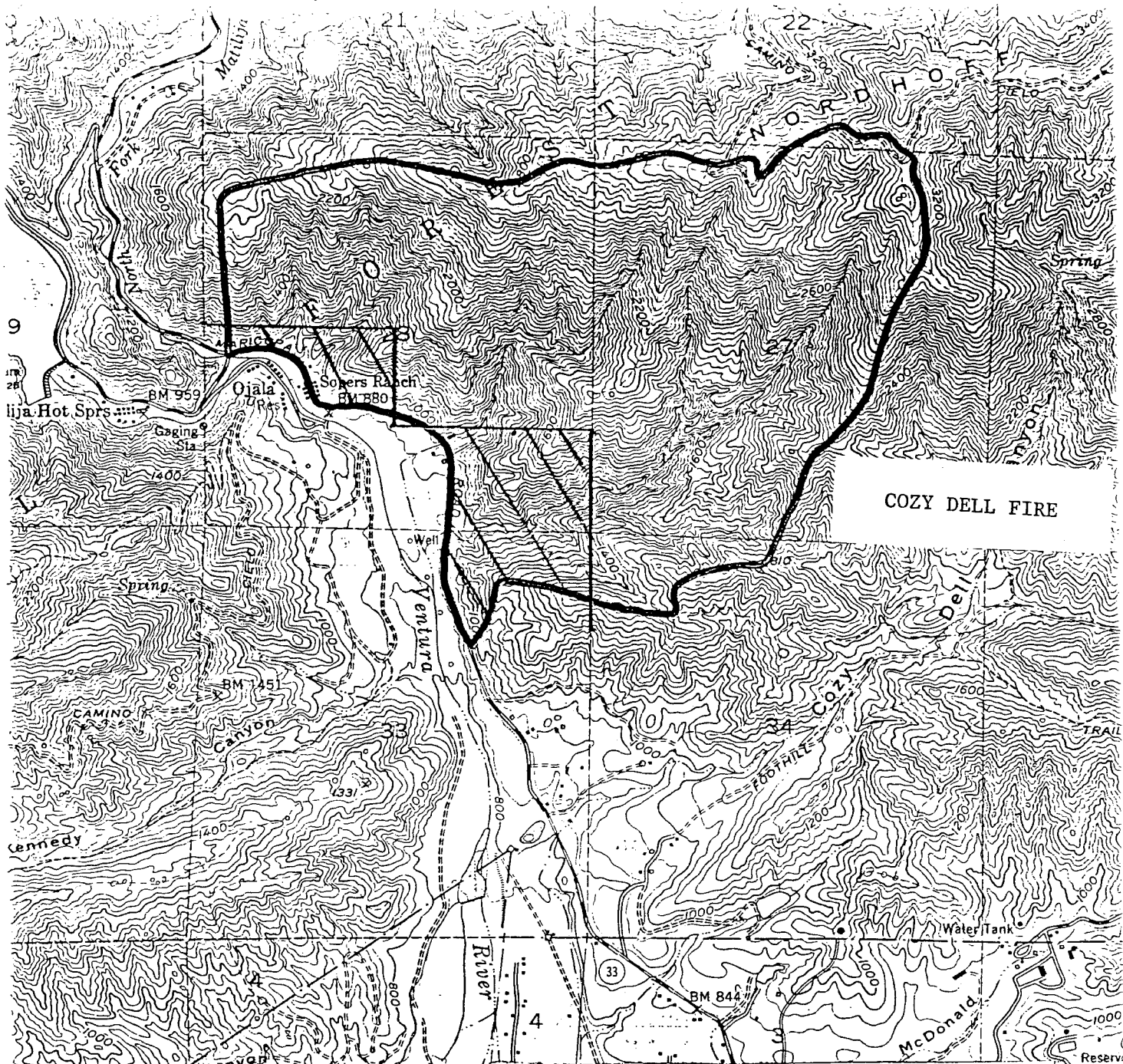
64.

SOCIAL WELLBEING BENEFIT INDEX

SOCIAL CRITERIA	Weight Factor	Without treatment		With treatment		Difference	
		Actual	Weighted	Actual	Weighted	Actual	Weighted
Life, health, safety	10	2	20	1	10	1	10
Employment							
Recreational opportunity							
Economic stability	4	2	8	1	4	1	4
Income distribution							
Preserve special sites							
Other							
TOTAL	14		28		14		14
Average weighted index			2		1		1
Net social wellbeing benefit index							1

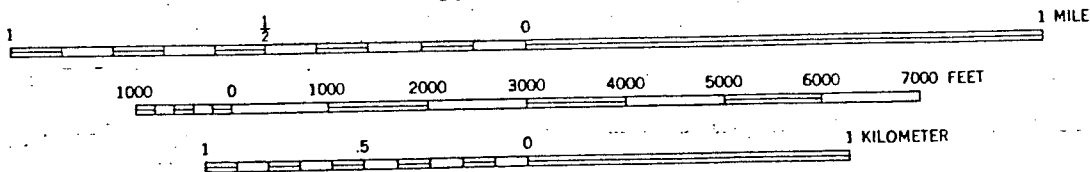
2500-8

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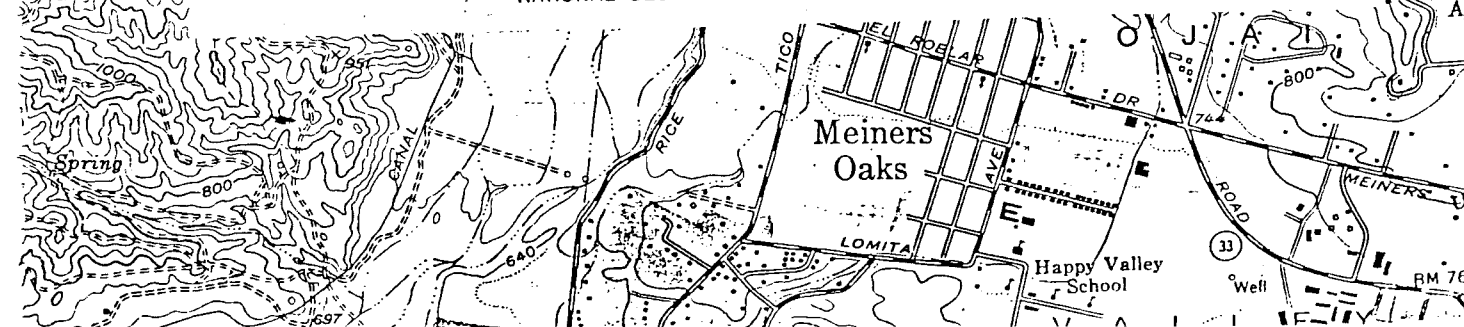


COZY DELL FIRE

SCALE 1:24000



CONTOUR INTERVAL 40 FEET  
DOTTED LINES REPRESENT HALF-INTERVAL CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



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

1. Fire name <i>COZY DELL</i>		2. <input type="checkbox"/> Request <input type="checkbox"/> Initial <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Final <input type="checkbox"/> (Accomplishment report) <input checked="" type="checkbox"/> FFF <input type="checkbox"/> Other			3. Date of report <i>4-2-79</i>	
4. State <i>CA</i>	5. County <i>Ventura</i>	6. Congressional District <i>19</i>	7. Region <i>5</i>	8. Forest <i>LOS PADRES</i>	9. Ranger District <i>OJAI</i>	
10. Supervisor <i>fire no. 075</i>		11. Date fire started <i>9/25/78</i>		12. Date controlled <i>9/27/78</i>		13. Estimated suppression cost <i>\$450,000</i>
14. Fire suppression damages repaired with FFF 102 funds <i>5.5 mi. firelines waterbarred 27 acres firelines seeded</i>						
15. Fire intensity <i>10 % low 30 % medium 60 % high</i>						

## NATIONAL FOREST SYSTEM PROBLEM INVENTORY

16. Watershed no. <i>18-00-00-00-24</i>		17. NFS acres burned <i>757 NF - 153 PVT</i>		18. Water repellant soil <i>10 % of NFS area burned</i>	
19. Vegetation types <i>85% CHAPARRAL, 15% OAK-WOODLAND</i>					
20. Geologic types <i>MATILJA, Juncal, COZY DELL</i>					
21. Soil erosion hazard rating <i>% low % med. 100% high</i>		22. Erosion potential <i>48,000 cu. yds./sq. mi.</i>		23. Flood peak potential <i>490 cu. ft./sec./sq. mi.</i>	
24. Miles of stream channels by Regional order or classes <i>.5 Class III, 1.2 Class IV</i>					
25. Miles of Forest Service roads and trails by maintenance levels <i>- mi. level I rds. - mi. level II rds. - mi. levels III, IV, V rds. .5 mi. trails</i>					

## CLIMATIC DATA

26. Annual precipitation <i>27 inches</i>		27. Design storm rainfall during <i>24</i> hour period <i>1.84 inches 2 yr. frequency 2.03 inches 10 yr. frequency</i>	
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34. Probability of completing treatment prior to first major damage-producing storm Land <i>100 %</i> Channel <i>%</i> Roads <i>%</i> Other <i>%</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>6.6/1</i>		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 <i>[Signature] 4/23/79</i>			
Regional Forester approval & date		Date funding approved in WO	



USDA - Forest Service  
Fire Name

Exhibit 1 -- Continued  
BURNED AREA REPORT

Date of Report

41-3  
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.)

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						FFF	216	FR&T	Other Fed. (Name)	Non-Fed. (Name)	Total
FEDERAL NFS	760	760	--	--	--	102,094	760	--	--	--	760
Other (name)											
Subtotal											
NON-FEDERAL State and county											
Private	120	120								RC&D 120	120
Indian											
Subtotal											
TOTAL	880	880	--	--	--	--	760	--	--	120	880

2500-8  
Revised 4/77

\*Does not enter into the B/C - merely an indication of values threatened.

41-4

## Exhibit 1 -- Continued

USDA-Forest Service

## BURNED AREA REPORT

Page 3

Fire Name

Date of Report

## ELIGIBLE EMERGENCY REHABILITATION MEASURES OR TREATMENTS AND SOURCE OF FUNDS

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Ditch cleaning	Miles								
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10-15-78