BURNED AREA REPORT

•	Detailed instructions for use of this form we in the form of 6
	Detailed instructions for use of this form are in the Burned-Area Emergency Rehabilitation Handbook (FSH 2509.13), Section 41.
	1. Fire name 2. XX Request Unitial XX Interim Final 3. Date of report
	distribution of report
	Chili Bar Accomplishment report FFF Other 9/27/79 4. State 5. County 6. Congressional 7. Region 8. Forest 9. Ranger District
	California El Dorado District 14 05 Eldorado 03 Georgetown 53 10. Supervisor 11. Date fire started 12. Date controlled 13. Estimated suppression 12. Date controlled 13. Estimated suppression 14. Date 16. Dat
	fire no. 045 September 16, 1979 September 22, 1979 cost \$ 864,795
,	14. Fire suppression damages repaired with FFF 102 funds
•	mi. firelines waterbarred 75 acres firelines seeded
٠.٠	15. Fire intensity
⟨.	40% low 30% medium 30% high
	NATIONAL FOREST SYSTEM PROBLEM INVENTORY
	10. Watershed no. 117. NFS acres burned 118 Water monelland and
	18 02 01 29 01 560 60% of NES area humad
	19. Vegetation types
1	30% mixed conifer 40% brush hardwood 30% pine hardwood
	20. Geologic types
	Metamorphic marine sediments cover 100% of area
	21. Soil erosion hazard rating 22. Erosion potential 23. Flood peak potential
	1700 ft /
	1 44. Miles of Stream Channels by Regional order or classes
	Class I, 0.7 Class II 0.7 Class IV 2.9 USFS/ Class I 12.5, II 0.7, III 6.5, IV. 7. 25. Miles of Forest Service roads and trails by maintanance level.
	25. Miles of Forest Service roads and trails by maintenance levels
	Omi. level I rds.2 mi. level II rds.1 mi. levels III, IV. V rds.1/2 mi. trails
	CLIMATIC DATA
	26. Annual precipitation 27. Design storm rainfall during 6 hour period
	45 inches 1.8 inches 2 vr. frequency 2.8 inches 10 vr. frequency
	28. Annual runorf 29. Maximum 30 minute intensity storm
	12 inches 0.5 inches 2 yr. frequency 0.7 inches 10 yr. frequency
	inches to vr. Fraduency
	SUMMARY OF SURVEY AND ANALYSIS
	30. Skills represented on burned area survey ream (check)
	KXINYGTOLOGY XXSOILS Geology Range WyTimbon Wyllians
	June 1 Contracting Local Management D
	51. Describe emergency
ĺ	High potential for onsite sheet & rill erosion and the associated reduction in site
ì	Pluquellviev. Unsire & Offsite sedimentation and demage to ment
	32. Emergency rehabilitation objective Stabilize the soils with grasses and forbs thereby protecting site productivity & re-
j	ducing damages to downstream values. Also reestablish important browse species
	within the key deer winter range.
ı	
	33. Personnel needs for rehabilitation project on NFS lands 1 man-years reassigned for \$18,000 no man-years new bires for \$
	34. Probability of completing treatment and the first for S
	34. Probability of completing treatment prior to first major damage-producing storm Land 90% Channel 80% Roads 90% Other - 7
ſ	35. Net environmental quality benefit index 36. Net social wellbeing benefit index
į.	Significant Not Significant Significant Skippificant Significant
	1 Joight Licant XXNOT Significant
J.	2.0 17.728 Transfer one)
n	17,728 II XXII III IV.
11	3 / S M / S de class (6/6) - 10 control a date para runcing
Ĺ	Jugen 7. W 9/28/79 /5/ Richard R. Millar 10/1/79 approved in 10
	T 2500-8 (7/78)
	tor

USDA - Forest Service Fire Name Chili Bar	BURNED AREA REF	Date of Report	
ON-SITE AND OFF-SITE DEVELOR EROSION, OR SEDIMENT BECAUSE value of resources damaged of	A WATERSHED IS IMPAI	RED BY WILDFIRE. (Do	not include
		No. of units	Estimated value (dollars)
40. Community and urban deve	lopment	people	
41. Municipal and domestic w	ater supply	people served	
42. Transportation systems	One eye trail	miles	1000
43. Water distribution syste	ms (irrigation)	miles	
44. Agricultural development	(crops, facilities)	acres	
45. Industrial development (number nuring) 1 miles	3.000.000
46. Power and communication	Chili Bar Dam lines		,
47. Recreation development	Dispursed use	PAOT	
48. Fish habitat		13.2	3,000

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

. TOTAL HAZARD POTENTIAL (Indicates values threatened by design storm. Does not enter into the B/C.)

49. Other (specify)

3,004,000

BURNED AREA REPORT

Chili Bar Fire Name

USDA-Forest Service

Date of Report 9/27/79

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SUMMARY OF EMERGENCY REHABILITATION NEEDS BY LAND OWNERSHIP

	50.	51. Eme	Emergency r	rehabilitation	tation	Source c	of emerge	ency reh	abilitati (dollars)	1on fund:	s for nee	Source of emergency rehabilitation funds for needed work (dollars)
Land cumerabin	Acres			Road		52. FE	FFF	53.	54.	55.	.96	57.
	burned	Land (acres)	Channel (miles)	and Trail (miles)	Other	760	102	216	FR&T	Other Federal (name)	Non- Federal (name)	Total
FEDERAL NFS	560	340	6.	5.	!	8920	12,000		1,000	:		21.920
Other (name) BLM	590		·									·
Subtotal Federal	1,150											
NON-FEDERAL State & county		-										
Indian reservation												
Private												
Subtotal Non-Federal	5,874									·		
TOTAL	7,024											

7

T 2500-8 (7/78)

Date of Report 9/27/79 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.)

	IS HOU TO S			r extore		Other Tanda				
		ł	ļ		FS Lands			ther Land		Total
		1	Unit	No. of	FFF 094	Other	No. of	Federal	Non-Fed.	dollars
	<u>.</u>	Units	1		dollars		units	dollars	dollars	all
	58. LAND	omits	Cosc	NFS	3322420	(Name)		(Name)	(Name)	1
	30. HAID	 	 	NES		(Name)	Orner	(Maine)	(Name)	lands
			İ			1	l			
. •	Seeding	Acres								
	Cooperative Agree-	l	1	i		i	i i	·		
	ment with CDF	Acre	4.50	560	2520		5704		25,668	28,188
	Ground application									<u> </u>
			30.00	120	3600	,				3,600
	of USFS seed mix	Acre	30.00	1,20	3000		·			3,000
				,			§			
	Discing & Mulching	Acre	20.00	70	1400	_			·	1,400
		,						'		
	59. CHANNELS									
	Opening water	ļ								
	courses	V-1					i 1			
		Miles						·	, •	
	Stabilizing			- [i		
	streambanks	Miles						1		
Γ									***************************************	
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- 1										
ı	`			İ			1	Ì		-
								!		
ĺ	60. ROADS & TRAILS									
- [ı	l l		Country	İ		j
-	Level II	Miles	450.00	2	900		Roads 5	ł	2250	3,150
Ì										3,230
1	_ , ,			• .	500		1	1		500
ļ	Level III +	Miles	500.00	1	500					500
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1						1				
-	61. MAJOR	.	1	Ì		I				
-	STRUCTURES	· i	į		İ	· · · · · · · · · · · · · · · · · · ·	}	Į.		1
1	Preplanned		f]	:	· ·	1	ı	1	
1	from Forest Plans	Each	t		İ	. [1	i		Ī
L										
			TOTA	ι, Ι	0.000	1		.]	27 010	26 020
			TOTA	الملا	8,920	1	1		27,918	36,838

EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM

62. EXPECTED DAMAGE REDUCTION BENEFIT SUMMARY at current Water Resources Council interest rate of 6.875 percent

CP PROFAME HARAN COMMENTER						
			Damag	e expected		
	77_34	Without to	reatment	With trea	tment	Expected
Economic benefit indices	Units of measure	No. of units	Present value \$	No. of units	Present value \$	\$ damage reduction
WATERSHED IMPACTS SEDIMENTS Downstream water storage	ac-ft.	7.0	525	1.4	105	420
Sediment removal	N/A	N/A	N/A	N/A	N/A	N/A
Fish habitat	rec/days	50	500	0	0	500
Water quality	N/A	N/A	N/A	N/A	N/A '	N/A
FLOOD WATER Land	N/A	N/A	N/A	N/A	N/A	N/A
Improvements	N/A	N/A	N/A	N/A	N/A	N/A
Subtotal watershed			1025		105	920
RESOURCE RELATED IMPACTS Range	,				·	-
	N/A	N/A	N/A	N/A	N/A	N/A
Wildlife and recreation	deer	55	13,250	0	0	13,250
Timber	MBF	5719	3,558	0	0	3,558
Subtotal resource related			16.808			16,808
OTHER IMPACTS						
Subtotal other						
Total dollars			17,833		105	17,728

Chili Bar

Date of Report 9/27/79

EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM

63. (Table 4)	ENVIR		QUALITY BI			T	
ENVIRONMENTAL CRITERIA	Weight		treatment		ceatment	Differ	
LIV I I CHILDRE	Factor	Actual	Weighted	Actual	Weighted	Actual	Weighted
Erosion and sediment	. 6	1	6	0	0	1	6
Aesthetic land quality	2	'n	2 .	()	0	1	· 2
Water quality	3	1	3	0	0	1	3
Site productivity	10	2	20	1	1.0	1	10
Wildlife habitat .	7	2	14	()	0 .	2	· 14
Fish habitat	- · · · 5	11	5	U.	0		5
Other							
TOTAL	33		50		10		40
Average weighted index			1.5		.3		1.2
Net environmental quality benefit index							1.2

64 (Tah)	1e 5)	SOCIAL WELL-BEING BENEFIT INDEX

out (India S)	Weight.	Without	treatment	With t	reatment	Differ	ence
SOCIAL CRITERIA	Factor	Actual	Weighted	Actual	Weighted	Actual	Weighted
Life, health, safety	5	0	0	0	0	0	0 .
Employment	2	0	0 .	0	0	0	0
Recreational opportunity	5	0	0	0	0	0 '	0
Economic stability	10	0	0	0	0	0	0
Income distribution	1	0	0	0	0	0	0
Preserve special sites	0	0	0	0	0	0	0
Other							,
TOTAL	13		0		0		0
Average weighted index			0		0		0
Net social well-being benefit index							0

T 2500-8 (7/78)

	Detailed instructions for use of this form are in the Burned-Area Emergency
	Rehabilitation Handbook (FSH 2509.13), Section 41.
	1. Fire name 12. Request Unitial United
	Chili Bar Chili Bar Chili
	4. State 5. County 6. Congressional 7. Region 8. Forest 14 Ranger Michrich
	Walliornia El Dorado Wistrict 4 05 Fildorado 03 Connectorm 52
	10. Supervisor 11. Date fire started 12. Date controlled 13. Estimated suppression
	11re no. 045 September 16, 1979 September 22, 1979 cost \$ 86% 705
1	14. Fire suppression damages repaired with FFF 102 funds
	mi. firelines waterbarred 75 acres firelines seeded
•	15. Fire intensity
•	40% low 30% medium 30% high
	NATIONAL FOREST SYSTEM PROBLEM INVENTORY
	16. Watershed no. 17. NFS acres burned 18. Water repellant soil 60% of NFS area have
	19. Vegetation types
	30% mixed conifer 40% brush hardwood 30% pine hardwood
	20. Geologic types
	Metamorphic marine sediments cover 100% of area
	21. Soil erosion hazard rating 22. Erosion potential 23. Flood peak potential
	% low 30% med. 70% high 12.900 cu. yds./sq. mi. 176cu. ft./sec./sq. mi. 24. Miles of stream channels by Regional order or classes
	Class I 0.7 Class II 0.7 Classes
	Class I, 0.7 Class II 0.7 Class IV 2.9 USFS/ Class I 12.5, II 0.7, III 6.5, IV. 7 25. Miles of Forest Service roads and trails by maintenance levels
	Omi. level I rds. 2 mi level II rds. 2 mi level II
,	Omi. level I rds.2 mi. level II rds.1 mi. levels III, IV, V rds.1/2 mi. trails
	CLIMATIC DATA
- 1	26. Annual precipitation 27. Design storm rainfall during 6 hour period
	45 inches 1 8 inches 2 vr. frequency 2 8 inches 10 vr. frequency
ı	28. Annual runoff 29. Maximum 30 minute intensity storm
	12 inches 0.5 inches 2 yr. frequency 0.7 inches 10 yr. frequency
	The state of the s
	SUMMARY OF SURVEY AND ANALYSIS
١	30. Skills represented on burned area survey team (check)
1	XX Hydrology XX Soils Geology Range XXTimber XXWildlife Fire Management
1	Ingineering Contracting Local Management Possesse Oct
-	51. Describe emergency
-	High potential for onsite sheet & rill erosion and the associated reduction in site
1	Productivity. Onsite & Offsite sedimentation and damage to roads, fighering and water
ŀ	Storage facilities. Also there is significant damage to a key door winter manage
1	32. Emergency rehabilitation objective Stabilize the soils with grasses and forbs thereby protecting site productivity & re-
ı	ducing damages to downstream values. Also reestablish important browse species
1	within the key deer winter range.
t	
1	33. Personnel needs for renabilitation project on NFS lands 1 man-years reassigned for \$18,000 no man-years new hires for \$
1	34. Probability of completing treatment prior to find the for \$
1	34. Probability of completing treatment prior to first major damage-producing storm Land 90% Channel 80% Roads 90% Other %
Ī	35. Net environmental quality benefit index 36. Net social wellbeing benefit index
L	Significant Not Significant Significant Significant XXNot Significant
	37. Benefit/cost ratio Net benefits 38. Cost effectiveness index (check one)
	2 000 17 720
1	39. Forest Supervisor approval & date Regional Forester approval & date Date funding
	approved in wo
Ĺ	approved in so
	T2500-8 (7/78)

USDA - Forest Service Page 2 of BURNED AREA REPORT Date of Report 9/24/79 Fire Name Chili Bar 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) people "40. Community and urban development people served 41. Municipal and domestic water supply miles 1000 42. Transportation systems One eye trail miles 43. Water distribution systems (irrigation) acres 44. Agricultural development (crops, facilities) number 45. Industrial development (dams, power, manufacturing) 3,000,000 miles Chili Bar Dam 46. Power and communication lines PAOT 47. Recreation development Dispursed use miles 3.000 13.2 48. Fish habitat 49. Other (specify)

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

storm. Does not enter into the B/C.)

TOTAL HAZARD POTENTIAL (Indicates values threatened by design

3.004,000

Fire Name

BURNED AREA REPORT

Date of Report March 26, 1980

SUMMARY OF EMERGENCY REHABILITATION NEEDS BY LAND OWNERSHIP

Subtotal Non-Federal 5,874	Private	Indian reservation	NON-FEDERAL State & county	Subtotal 1,150	Other (name)	FEDERAL NFS	bu buttersoning		50.	
 874				150	590	560	burned			
	·					340	Land (acres)	•	51. Eme	
						.9	Channel (miles)		rgency reh	
						.5	and Trail (miles)	R C L L	Emergency rehabilitation needs	
			·			-	Other		tation	
						8223.54	XXXX 092	52. F	Source	
						12,000	102	FFF	of emerg	
•							216	53.	ency reh	
					•	1,000	FR&T	54.	abilitat: (dollars	
						: 	Other Federal (name)	55.	ion fund	
							Non- Federal (name)	56.	s for ne	
						21,223.54	Total	57.	Source of emergency rehabilitation funds for needed work (dollars)	

Page 401 Date of Report March 26, 1980

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.)

	is not to	SOTAG A	vacersn	ed brop	lems tha	<u>existe</u>	d brior	to the	vildrire.	.)
- 1			1	N	FS Lands		0	ther Lan	ds	Total
		ł	Unit	No. of	FFF 094	Other			Non-Fed.	
		Vaits				dollars			dollars	all
	58. LAND	0		NFS		(Name)		(Name)	(Name)	lands
٠-ا				1	 	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	00.0.	, vicinity	(Hame)	Tands
	Seeding	Acres)			<u> </u>			
	Cooperative Agree-	1							<u> </u>	
	ment with CDF		3.0456	560	1705.54		5704		17272 10	10077 64
	Ground application	Incie	13.0400	200	1/0/./4		3704		1/3/2.10	19077.64
	of USFS seed mix		30.983	120	3718					0710
۲	obro seed mx	ACTE	130.963	120	3/10					3718
h	Disking & Mulching	Acre	20.00	70	1400			-		1400
ď	JUNEAU & HOLDHING	Merc	20.00	70	1400					1400
Ì	**									
1	9. CHANNELS	 			`					
	Opening water	•								
	Courses	Miles								
_	Stabilizing									
	trearbanks	Miles	}							1
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1	O. ROADS & TRAILS		}							
1	ROADS & TRAILS				j	į	ol]		
	evel II	Miles	450 00	2	900		Country		0050	07.50
۲	CACT II	Miles	430.00	2	900		Roads 5		2250	3150
1,	evel III +	Miles	500 00	\cdot_1	500	э (1		
H	ever III +	Miles	300.00	1	500					500
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6	1. MAJOR		· [1						
	STRUCTURES		1		.	i	I		•	
P	replanned	_	1		1	İ	j	I		
İ	rom Forest Plans	Each			1					
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			TOTA	L [8223.54		1		19622.10	27845.64

62.

EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM

EXPECTED DAMAGE REDUCTION BENEFIT SUMMARY at current Water Resources Council interest rate of 6875 percent

					. '		
		Damage expected					
Economic benefit indices	Units of	Without t		With tre	With treatment		
	measure	No. of units	Present value \$	No. of units	Present value \$	Expected \$ damage reduction	
WATERSHED IMPACTS SEDIMENTS Downstream water storage	ac-ft	7.0	525	1.4	105	420	
Sediment removal	N/A	N/A	N/A	N/A	N/A	N/A	
Fish habitat	rec/days	50 [°]	500	0	0	500	
Water quality	N/A	N/A	N/A	N/A	N/A	N/A	
FLOOD WATER Land	N/A	N/A	N/A	N/A	N/A	N/A	
Improvements	N/A	N/A	N/A	N/A	N/A	N/A	
Subtotal watershed			1025		105	920 -	
RESOURCE RELATED IMPACTS Range							
	N/A	N/A	N/A	N/A	N/A	N/A	
Wildlife and recreation	deer	55	13,250	0	0	13,250	
Timber	MBF	5719	3,558	0	0	3.558	
Subtotal resource related			16.808		0	16 808	
OTHER IMPACTS							
Subtotal other							
Total dollars			17,833		105	17,728	

e Chili Bar

Date of Report 9/27/79

EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM

63. (Table 4)	ENVIR	ONMENTAL	QUALITY B	ENEFIT I	NDEX	, *	
ENVIRONMENTAL CRITERIA	Weight	Without	treatment	Difference			
	Factor	Actual	Weighted	Actual	Weighted	Actual	Weighted
Erosion and sediment	. 6	1_1	6	0	0	1	6
Aesthetic land quality	2	i	2	0	0	1	2
Water quality	3	1	3	0	0	1	3
Site productivity	10	2 .	20	1	10	1	10
Wildlife habitat	7	2	. 14	. 0	0	2	. 14
Fish habitat	5	1	. 5	O.	Q	1	5
Other			11 12 10		•		
TOTAL	33		50		10		4 О
Average weighted index			1.5		.3		1.2
Net environmental quality benefit index							1.2

4.14	1 to 2 to 2 2 2 1	_ •		
64	(Table	50	SOCIAL WELL-BEING RENEETT INDEX	

SOCIAL CRITERIA	Weight	Without treatment		With treatment		Difference	
SOCIAL CRITICIA	Factor	Actual	Weighted	Actual	Weighted	Actual	Weighted
Life, health, safety	5	0	0	0	0	0	0
Employment	2	0	0	0	0	0	0
Recreational opportunity	5	0	0	0	0	0 `	0
Economic stability	10	0	0	. 0	0	0	0
Income distribution	1	0	0	0	0	0	0
Preserve special sites	0	0	0	0	0	0	0 ·
Other							•
TOTAL	13		0		.0		0
Average weighted index			0		0		. 0
Net social well-being benefit index							0