Date of Report: 5/28/89

BURNED AREA REPORT (Reference FSH 2509.13, Report FS-2500-A)

PART I - TYPE OF REQUEST

1.	Type of	Report
		Funding (Request for estimated FFF funds) Accomplishment Report
2.	Type of	Action
	[] A. [] B.	to (deated)
	[x] c.	[] Updating the initial funding request.[] Supplying information for accomplishments to date on emergency work underway.
		[] Best estimate for funds needed to complete eligible rehabilitation measure.[X] Following completion of funded work.
		PART II - FIRE LOCATION
1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	Forest S State: N County: Region: Forest: Ranger D Date Fir Date Fir Estimate Fire Sup	e (from Form FS-5100-29): Coyote upervisor's Fire No. (from Form FS-5100-29): 419 ew Mexico Bernalillo 03 (Southwest) 03 (Cibola) istrict: 05 (Sandia) e Started: 5/24/89 e Controlled: 5/28/89 d Suppression Costs: \$240,000 pression Damages Repaired with NFFF PF12 Funds: miles (firelines waterbarred) acres (firelines seeded)
		acre Other (identify) fire camp and staging areas rehabed
12.	Fire Into	ensity: % (low) 10 % (medium) 90 % (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

- 1. Watershed No.: 046
- 2. NFS Acres Burned: 337
- 3. Water Repellant Soil: 5% of NFS acres burned

٠,	College William Property College Colle
5.	
6.	Soil Erosion Hazard Rating:
	% (low)14 % (medium)86 % (high)
7.	Erosion Potential: 19,830 cu. yds/sq. miles
8.	• , •
9.	Miles of Ferral County m 11 o
10.	1.3
	miles of forest service hoads by maintenance Levels:
	O miles (Level I) O miles (Level II)
	· · · · · · · · · · · · · · · · · · ·
	O miles (Levels III, IV, V)
	PART IV - CALCULATED RISK AND CLIMATIC EVALUATION
1.	Estimated Vegetative Recovery Period: 5 years.
2,	Chance of Success Desired by Management: 66 percent.
3.	Equivalent Design Recurrence Period: 10 years.
4.	Related Design Storm Duration: 24 hours.
5.	Related Design Storm Magnitude: 2.4 inches.
6.	Related Design Flow 262 cfsm.
7.	Estimated Reduction in Infiltration: 5 percent.
8.	Adjusted Related Design Flow: 500 cfsm.
	DADT V. CHWADY OF CURINY AND
	PART V - SUMMARY OF SURVEY AND ANALYSIS
1.	Skills Represented on Burned Area Survey Team ("x" appropriate boxes):
	[X] Hydrology [X] Soils [] Geology [X] Range
	[] Timber [X] Wildlife [] Fire Mgmt. [X] Engineering
	[] Contracting [X] Local Mgmt. [] Research [X] Other (identify)
	USAF: Lands, agronomy
2.	Describe Emergency: PJ crown fire/man caused wildfire FS: archeology
3.	Emergency Rehabilitation Objective:protect site productivity and watershed
4.	Probability of Completing Treatment Prior to First Major Damage Producing
	Storm: (Poor rainfall distribution since seeding may cause loss of seed.)
	seed.)
	Land 100 % Channel % Roads % % Other %
5.	Not Environmental Coulds B. Co.
٠,	Net Environmental Quality Benefit Index:
	[X] Significant [] Not Significant
	[X] Significant [] Not Significant
6.	Net Social Well Being Benefit Index:
	[] Significant [x] Not Significant
7.	Benefit/Cost Ratio: 3.8 : 1
8.	
	Net Benefits: \$12,781 (FS costs)
9.	Cost Effectiveness Index: [] I. [X] II. [] III. [] IV.

PART VI - ELIGIBLE EMERGENCY REHABILITATION MEASURES OR TREATMENTS AND SOURCE OF FUNDS

NOTE: Emergency rehabilitation is work done promptly following a wildfire and is not to solve watershed problems that existed prior to the wildfire.

				Lands			Other L	ands	All Land
Line Items	Units	Unit	No. of	NFFF	Other \$	No. of	Federal\$	Non-Federal	Total
	ł	Cost	Units	FW22	1	Units		\$	\$
	. 1	1	ļ ,	\$		J		1	1
	1			ļ	ident.	!	ident.	identify	1
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
. LAND					<u> </u>		<u> </u>	<u> </u>	
a. Seeding		1							
b. (FS costs)	Acres	11.89	337	3.994	<u> </u>	<u> </u>		<u> </u>	
c. (rs costs)	 				<u> </u>			<u> </u>	
d.								<u> </u>	
e.		L			<u> </u>				
						<u> </u>		1	
. CHANNELS					- !			1	<u> </u>
a. Opening water					1			<u> </u>	
courses	Miles					<u></u>		1 1	
b. Stabilizing	ı		l		1			<u> </u>	
streambanks	Miles		1		1			<u> </u>	
c.					1				
đ.		1	ĺ		1	1		<u> </u>	
е.			i					l 1	
ROADS AND TRAILS		1							
а.									
b.			1			Ī			
с.									
MA LOD GERMAN		!	ļ		<u> </u>				
MAJOR STRUCTURES								1	
a. Preplanned -									
from Forest	<u> </u>							<u>_</u>	
Plans					<u> </u>				
Salary TOTAL				633 \$4,627	<u> </u>				

PART VII - APPROVALS

/s/	
Forest Supervisor (Signature)	Date
<u>/s/</u>	
Regional Forester (Signature)	Date

PART VI - ELIGIBLE EMERGENCY REHABILITATION MEASURES OR TREATMENTS AND SOURCE OF FUNDS

NOTE: Emergency rehabilitation is work done promptly following a wildfire and is not to solve watershed problems that existed prior to the wildfire.

				Lands		<u> </u>	Other L		All Lands
Line Items			No. of		Other \$	No. of	Federal\$	Non-Federal	Total
		Cost	Units	FW22		Units	ļ	\$	\$
	ļ		ĺ	\$		1		1	1
	ļ.		l		ident.	1	ident.	identify	1
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
\. L.AND	<u></u>	1				<u> </u>			<u></u>
a. Seeding	Acres	25.66	337	8,650	_ <u></u>	l !	<u> </u>	<u> </u>	1
b.		1			1	l	l	l	
с.						L	<u> </u>]	L
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е.		LI							l
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. CHANNELS									i
a. Opening water		L1			_L				<u> </u>
courses	Miles								
b. Stabilizing									<u> </u>
streambanks	Miles								
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<u>d</u> .		1			1				
е.					<u> </u>	1			
. ROADS AND TRAILS	1 1				1				
a.	1			 ,					
b.	1 1				<u> </u>				
c.	1 1				<u> </u>				
					 				
. MAJOR STRUCTURES			<u>l</u> . 1		<u> </u>				
a. Preplanned -	1 1	<u></u>	<u>-</u> -		<u> </u>				
from Forest	1 1	<u>-</u>	1		<u> </u>		, 		
Plans			<u>-</u> -		<u> </u>				
Salary	1	1		1,300	<u> </u>				
TOTAL	1 1			9,950	 	 \$			

PART VII - APPROVALS

PART VII -	APPROVALS	
/S/ Phil Smith Forest Supervisor (Signature)	5/30/89 Date	Was
Regional Porester (Signature)	6-1-1-9	ARK
Active Departs Region	of foresty	

questina

USDA-Forest Service EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM (Reference FSII 2509.13) Fire Name Date of Report Coyote 5/27/89 A. ENVIRONMENTAL QUALITY BENEFIT INDEX Weight Without Treatment With Treatment Difference Environmental Factor Factor Actual Weighted Actual Weighted | Actual | Weighted | (a) (b) (c) (d) (e) (f) (g) (h) 1. Erosion and sediment 8 16 2. Aesthetic land quality 0 4 Water quality 4. Site productivity 14 7 5 5. Wildlife habitat 6. Fish habitat NA 7. Other XXXXXXXXX | |XXXXXX | | XXXXXXX | 8. TOTAL 27 XXXXXXXXX 42 XXXXXX XXXXXXX [XXXXXXXXX [XXXXXXXXX] TXXXXXX 1 XXXXXXX 9. Average weighted index XXXXXXXXX XXXXXXXX X XXXXXX | 1.6 XXXXXX 10. Net environmental quality benefit index SOCIAL WELL-BEING BENEFIT INDEX Weight Without Treatment With Treatment Difference Social Criteria Factor Actual | Weighted Actual Weighted | Actual | Weighted | (a) (b) (c) (d) 1. Life, health, safety 10 0 0 Employment 0 0 3. Recreational opportunity 0 0 0 0 4. Economic stability 2 0 0 O 5. Income distribution 0 O 0 6. Preserve special sites 10 7. Other XXXXXXXX XXXXXX XXXXXXX | 8. TOTAL 20 XXXXXXXXX 10 XXXXXX

|XXXXXXXXXX |XXXXXXXXXX |

|xxxxxxxxxx |xxxxxxxxx |

C. REMARKS

9. Average weighted index

XXXXXXX

|xxxxxxxx |

XXXXXXX

. 25

. 25

|xxxxxx |

XXXXXX

ON-SITE AND OFF-SITE DEVELOPMENTS SUBJECT TO HAZARDS

•												
lote: At current Water Resources Coun	cil interest	rate 8.625	percent									
		Damage Expected										
Economic Benefit Indices	Units of	Without	Treatment		eatment							
	Measure	No. of	Present	No. of	Present	Expected \$ Damage						
	1	Units	Value (\$)	Units	Value (\$)	Reduction						
(a)	(b)	1 (c)	(d)	(e)	(f)	(g)						
I. Watershed Impacts Sediments	XXXXXXXX	[xxxxxxxxxx	[xxxxxxxxxx	XXXXXXXXX	XXXXXXXXXX							
1. Downstream water storage												
2. Sediment removal	cu. yd.	19,934	 34,256	9,966	16 848	17.400						
2 51 1 1 1 1 1			1	3.300	16,848	17,408						
3. Fish habitat		<u> </u>	<u> </u>	<u> L</u>		<u> </u>						
4. Water quality		1		Ì	1	1						
II. Flood Water	XXXXXXXX	XXXXXXXXX	XXXXXXXXX	XXXXXXXXX	XXXXXXXXXXXX	 XXXXXXXXXXXXXXXXX						
1. Land		1	1									
2. Water Improvements	l L											
	XXXXXXXX	XXXXXXXXX		XXXXXXXXX	 	<u> </u>						
3. Subtotal, Watershed	XXXXXXXX	XXXXXXXXX	1	XXXXXXXXXX	i	1						
III. Resource Related Impacts	XXXXXXXX	XXXXXXXXX	XXXXXXXXX	XXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXX						
1. Range			<u> </u>		!							
2. Wildlife and Recreation	1	 		1	ļ. 1							
3. Timber	[
	XXXXXXXX	XXXXXXXXX	<u> </u>	XXXXXXXXX	<u> </u>	1						
4. Subtotal, Resource Related	XXXXXXXX		i	XXXXXXXXX	1 1	 						
IV. Other Impacts			XXXXXXXXX		XXXXXXXXXX	XXXXXXXXXXXXXX						
1.] 									
	XXXXXXXX	XXXXXXXXX	l	XXXXXXXXXX								
2. Subtotal, Other	XXXXXXXXX			XXXXXXXXXX	; 							
V. TOTAL DOLLARS		XXXXXXXXX	xxxxxxxxx		XXXXXXXXXXX	XXXXXXXXXXXXXX						

USDA-Forest Service

ON-SITE AND OFF-SITE DEVELOPMENTS SUBJECT TO HAZARDS

(Reference FSH 2509.13)

Fire Name			Date of Repor
Coyote			5/27/89
Line Items	Type of	Number of	Estimated
	Units	Units	Value \$
(a)	(b)	(c)	(d)
1. Community and urban development	 People		1
	People		İ
2. Municipal and domestic water supply	Served	1	1
3. Transportation systems	 Miles	 	1
4. Water distribution system (irrigation)	 Miles		
5. Agricultural development (crops, facilities)	Acres		
6. Industrial development (dams, power, manufacturing)	Number	<u> </u>	
7. Power and communication lines	Miles	! !	<u> </u>
8. Recreation development	PAOT	<u> </u>	
9. Fish habitat	Miles	<u> </u>	<u> </u>
Culverts	pipes	1 3,000 8	\$40,000
O. Other (specify) Live Fire Range (buildings & earth works	<u> </u>		\$100,000
2	XXXXXXXX	xxxxxxxxx	[
1. Total Hazard Potential	XXXXXXXX	XXXXXXXXX	\$140,000

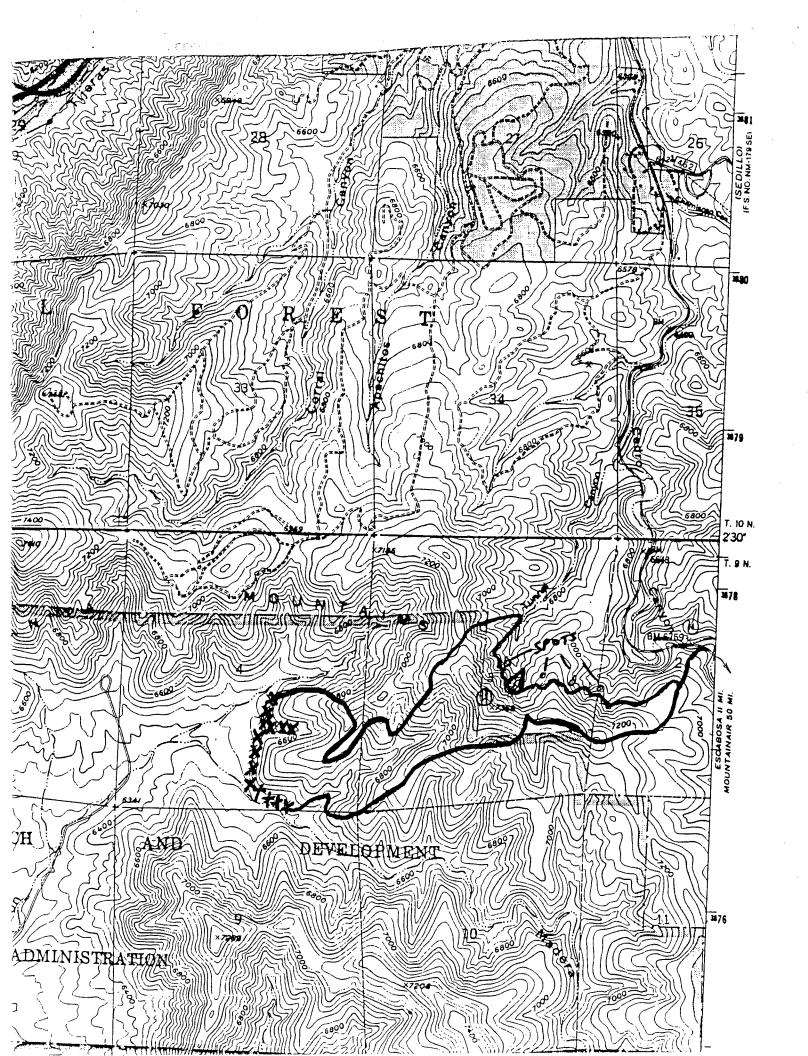
| 12. Narrative (Optional- if additional space is needed, attach another sheet).

300 acres of the burn are within Madera canyon a roughly 5000 acre watershed which is a tributary to Arroyo del Coyote 13000 acres. Arroyo del Coyote runs through the test facility area of Kirtland Air Force Base, Sandia Labs, and DOE.

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 reported on FS-5100-29.)

 $^{^{\}rm 2}$ $\,$ Indicates values threatened by design storm. Does not enter into the B/C.

USDA-FOREST SERVICE	Jan Perlin D. Co							4		
SUMMARY OF EMERGENCY REHABILITATION			DOWNE	RSHIP			Fire	Name <u>Co</u>	yote	
(Reference F	SII 2509.13	3)					Date	of Report	5/28/89	- · · · · · · · · · · · · · · · · · · ·
Landownership									·····	
	A. Ac				ency Rel			Nceds Road &	(4) Other	
<u> </u>	1		(acres)		(miles)		T	rail		
					<u>!</u> 		(m 	iles)	<u> </u>	
Federal (NFS)	337		337	7	1		1		<u> </u>	
Other (specify)					! 		<u> </u>		! 	
Subtotal (NFS)	 				i 1] 		 	
Non-Federal (State & County)							1			
Indian Reservation	<u> </u>	 			 				 	
Private		1					 			
Subtotal (Non-Federal)	 	1		1			i 1		•	
TOTAL							l			
C. Source of Emerge	ncy Rehabi	ilitat	33 ion F		r Neede	d Work	(\$)			
		NFFF						0.1		
	(a)FW22)PF12 F1c		ergency	13. PR 8	& T 4.	Federal	5. Non- Federal	6. Total
Landownership	 	1			vention	1	(Enter fund)		(Enter	ļ
	į	į				! }	i	Tunu)	fund) 	
	<u> </u>	<u> </u>		<u> </u>		<u> </u> 			<u> </u>	
Federal (NFS)	9950	430	00			<u> </u>			<u></u>	
Other (specify)	<u> </u>	<u> </u>							<u> </u>	
Subtotal (NFS)	9950	 <u> 430</u>	00							
Non-Federal (State & County)		<u> </u>							[]	
Indian Reservation	•	[1		İ		 	1
Private		1								
Subtotal (Non-Federal)							<u> </u>			
TOTAL	9950	 430	. l <u>0 l</u>				j J		} 	1
D. Remarks									· · · · · · · · · · · · · · · · · · ·	
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Pock Q.

WS 14 2 Morning 1 ...

COYOTE FIRE REHAB - 1989 SEEDING INFO

SEED MIX:

seeds PLS/412

Mooning layograms Francisco I (D.)	. ~
Weeping lovegrass - Eragrostis curvula (Ercu) - 1/21b per ac	. 17
Needle and thread - Stipa comata (Stco) - 21bs per ac	1
Sideoats grama - Bouteloua curtipendula (Bocu) - 11b per ac	,
Siberian wheatgrass - Agropyron sibiricum (Agsi) - 31bs per	ac \dot{q}
Yellow sweetclover - Melilotus officinalis (Meof) - 11b per	ac 6
75#/2	
7.5 1/2 pounds per acre for the seed mix (PLS - Pure Live Seed	34

Approx. 45 seeds per square foot

:00 pounds - Ercu

650 pounds - Stco

350 pounds - Bocu

1000 pounds - Agsi

350 pounds - Meof

2550 pounds of seed (mixed & delivered)

... NEW MEATON 83101

MIX FCR: Cibola National Forest Attn: Steve McWilliams 10303 Candelaria, NE Albuquerque, NM 87112

Coyote Fire Rehab.

	FO# 40-83D5-9-0346	÷	
•	· .	PLS#	BULK#
	Sand Dropseed, Not Stated	50	61.30
	Weaping Lovegrass, Morpa	200	221.20
-	Sideoats Grama, Vaughn	350	433.30
	Siberian Wheatgrass Not Stated	1000	1058.00
	Yellow Blossom Clov Madrid	350	3 91.65
•	Four Wing Saltbush, Not Stated	300	453. 90
	Lehmann Lovegrass, Not Stated	100	125.60
		TOTAL	2744.95

54-50# bags . 1-45# bag .

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130cu -

United States Department of Agriculture Forest Service Southwestern Region 517 Gold Avenue SW. Albuquerque, NM 87102-0084

Reply to: 6520

Date: June 8, 1989

Subject: Emergency Burn Rehabilitation, Coyote Fire

To: Forest Supervisor, Cibola National Forest

Emergency burn rehabilitation funds (NFFF-FW22) have been approved for the . Coyote Fire in the amount of \$9,950. You are authorized to incur obligations against these funds pending allocation by AD-739.

/s/Larry J. Medlock for ALON CARTER Director, Program Development and Budget

cc: WSA

J. Hammond

J. Acree

MESSAGE DISPLAY

To P.LUEHRING:RO3A

Steven McWilliams:R03F03A

Postmark: Jun 09,89 2:25 PM Delivered: Jun 09,89 2:26 PM

Status:

Certified

Subject: COYOTE REHAB COSTS

Message:

LOOKS LIKE THE COSTS WILL BE IN THE RANGE OF \$7500 NOW THAT THE AIR

-----X======X========

FORCE'S POSITION IS MORE CLEAR TO US.