Date of Report: 6/17/92

BURNED-AREA REPORT (Reference FSH 2509.13, Report FS-2500-8)

PART I - TYPE OF REQUEST

Α.	Type of Report
	[X] 1. Funding request for estimated EFFS-FW22 funds[] 2. Accomplishment Report[] 3. No Treatment Recommendation
В.	Type of Action
	[X] 1. Initial Request (Best estimate of funds needed to complete eligibl rehabilitation measures)
	 [] 2. Interim Report [] Updating the initial funding request based on more accurate site data and design analysis [] Status of accomplishments to-date
	[] 3. Final report - following completion of work
	PART II - BURNED-AREA DESCRIPTION
A.	Fire Name: Onion B. Fire Number: NM-CNZ-P844
E.	State: New Mexico D. County: Navaho, McKinley Region: 3 F. Forest: Cibola District: Boonies
Н. J.	Date Fire Started: 6/9/92 I. Date Fire Controlled: 6/15/92 Suppression Cost: \$ 2,121,000.00
К.	Fire Suppression Damages Repaired with EFFS-PF12 Funds: 1. Fireline waterbarred (miles)
L.	Watershed Number: 1502000402
М.	NFS Acres Burned: 2010 Total Acres Burned: 2250 Ownership type: ()State ()BLM (240)PVT ()
N.	Vegetation Types: Ponderosa Pine, Gambel Oak, Pinyon
Ο.	Dominant Soils: Typic Eutroboralfs (clayey-skeletal, fine, and loamy-skeletal
Ρ.	Geologic Types: Limestone, Sandstone, Shale (Glorieta and Chinle Formation)
Q.	Miles of Stream Channels by Order or Class: 1 mi (Order 1) 2 mi (Order 2)
R.	Transportation System: Trails: 0 (miles) Roads: 3.5 (miles)

PART III - WATERSHED CONDITION

A.	Fire Intensity (Ac	res): <u>675</u>	(low) <u>5</u>	62 (moderat	e) <u>1013</u> (high)
В.	Water Repellant So	il (Acres):	1000	•	
C.		d Rating (Acrow) 1350		te) <u>562</u>	(high)
D. E.	Erosion Potential: Sediment Potential		tons	/acre yds/sq. mile	
	Ē	ART IV - H	YDROLOGIC DE	SIGN FACTORS	
A. B. C. D. E. F. G.	Estimated Vegetation Design Chance of State of S	Recurrence In ion: _2 ho tude: _1.6 i _ cfsm.	percent. terval: _2 urs. nches. tion: _45	5 years.	
	•	PART V -	SUMMARY OF	ANALYSIS	
reperforment of the contract o		y reduced inf in from the fil- downstream in Other inves- for the town ould cause a er lands. App	iltration care. This for the Onion of the	apacity. A h looding could lields subdiv as roads, br lle (populati productivit miles of h	igh potential exists result in damage to ision as well as idges, and the on 5,000) are also y in 600 acres of
trea herb	Emergency Treatment atment of high interpactors vegetation. aging debris in char	sity burned a	areas and reds	e-establish e ge by removin	rosion controlling g potentially
С.	Probability of Comp Storm:	leting Treat	ment Prior	o First Majo	r Damage Producing
	Land <u>85</u> %	Channel _7	5 % Ro	ads <u>75</u> %	Other %
D.	Probability of Trea	<years< td=""><td>after treat</td><td></td><td></td></years<>	after treat		
	Land	1	3 	<u>5</u> 	>,
	Channel	50%	80%	95%	
	Roads	70%	70%	70%	
		70%	70%	70%	

Ε.	Cost of No-Action	n (Including Loss):	\$ 4	,173,584	
F.	Cost of Selected	Alternative (Inc	luding Loss):	\$	655,090	
G.	Skills Represente	ed on Burned-Area	Survey Team:			
				[X]	Engineering Archaeology	
	[] Timber [X] Wildlife [] Fire Mgmt. [X] Engineering					

H. Treatment Narrative:

Describe the emergency treatments, where and how they will be applied, and what they are intended to do. This information helps to determine qualifying treatments for the appropriate funding authorities. For seeding treatments, include species, application rates and species selection rationale.

Aerial seed all acres of high intensity burn using following seed mix:

<u>Species</u>	Seed/Sq Ft	#/acre	% in mix
Slender wheatgrass (Agtr)	11	5.4	20%
Smooth brome (Brin)	8	2.7	15%
Sand lovegrass (Ertr)	17	. 5	30%
Yellow sweetclover (Meof)	2	.3	5%
Sheep fescue (Feov)	<u>15</u>	1.1	<u>30%</u>
Total	53	10.1	100%

Hand seed steep slopes adjacent to Harris Valley Creek using same seed mix. Install log terraces in same area and utilize temporary fence to protect until vegetation is established.

Clear debris along Harris Valley Creek above bridge and install trash rack.

Install strawbale check dams along ephemeral drainages in upper watershed.

PART VI - EMERGENCY REHABILITATION TREATMENTS AND SOURCE OF FUNDS BY LAND OWNERSHIP

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

			NF:	Lands		Other Lands			A11
Line Items	Units	Unit			Other	Number	Fed	Non-Fed	Tota]
	İ	Cost	of	FW22	\$	of	\$	\$	\$
	İ	\$	Units	\$	İ	Units	<u> </u>	_	
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		,	•	•	-				
LAND TREATMENTS									
aerial seeding	acres	40	1013	40520				1	40520
nand seeding	acres	30	22	660					660
log terraces	acres	22	1000	22000	<u> </u>				22000
fencing	miles	2	1000	2000	<u></u>	<u> </u>		1	-,2000
								1	
. CHANNEL TREATMENTS									
								 	
channel clearing	miles			5000		·			5000
straw bale check dams	each	120	70	8400				<u> </u>	8400
						ļ			
								ļ	
							-		
. ROADS AND TRAILS			· · · · · · · · · · · · · · · · · · ·						
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trash racks	each	1400	1 1	1400				<u> </u>	1400
									
								<u> </u>	
. STRUCTURES	1 1	· · · · ·	· · · · · · · · · · · · · · · · · · ·			1 1		1	
								 	
								 	
	T. V. T. C. COD. 3. CT		TDD000						
. BAER EVALUATION/ ADM	INISTRAT	IVE SI	JPPORT			1 1		1 1	
DAED gurrous toom	p-days	125	9	1125				1 1	1125
BAER survey team	ID-Cays	123		1123			,	· · · · · · · · · · · · · · · · · · ·	
. TOTALS	1 1		1	81,105		l		1 1	81,10
TOTALS				01,100		<u> </u>			<u> </u>
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Forest Supervi	sor (Sia	naturo	<u>, 1</u>	· · · · · · · · · · · · · · · · · · ·			te		
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Date

Regional Forester (Signature)