Date of Report: July 28, 2005

BURNED-AREA REPORT

(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report						
[] 1. Funding request for estimated WFSU[] 2. Accomplishment Report[X] 3. No Treatment Recommendation	-SULT funds					
B. Type of Action						
[] 1. Initial Request (Best estimate of funds	s needed to complete eligible rehabilitation measures)					
 [] 2. Interim Report [] Updating the initial funding request based on more accurate site data or design analysis [] Status of accomplishments to date 						
[] 3. Final Report (Following completion of	f work)					
PART II - BURNED-AREA DESCRIPTION						
A. Fire Name: Bull Run	B. Fire Number: AZ-COF-077 (P3B0MH)					
C. State: Arizona	D. County: Yavapai					
E. Region: R3 - SW	F. Forest: Coconino					
G. District: Red Rock						
H. Date Fire Started: 07/15/2005	I. Date Fire Contained: 07/27/2005					
J. Suppression Cost: \$2000						
 K. Fire Suppression Damages Repaired with Su 1. Fireline waterbarred (miles): 0 2. Fireline seeded (miles): 0 3. Other (identify): 0 	ppression Funds					
L. Watershed Number: 1506020302						
M. Total Acres Burned: NFS Acres(885) Other Federal (0) State	e (0) Private (0)					
N. Vegetation Types: <u>Juniper/mesquiteduos/Prve/Boer4/Stco4</u>), and <u>pinyon-juniper/evPifa/Juos/Qutu2</u>).	e/grassland ecotone (potential plant community of vergreen oak chaparral (potential plant community of					

O. Dominant Soils: Calcic Ustochrepts and Typic Haplustalfs, fine-loamy, mixed, thermic, deep, fine sandy loams, and Typic and Lithic Haplustalfs, fine, smectitic, moderately deep and shallow, very to extremely						
cobbly clay loams.						
P. Geologic Types: Basalt colluvium and residuum (Quaternary basalt age).						
Q. Miles of Stream Channels by Order or Class: 1st order (ephemeral) is .6 miles. 2nd order (ephemeral) is.1 miles.						
R. Transportation System						
Trails: .7 miles Roads: 0 miles						
PART III - WATERSHED CONDITION						
A. Burn Severity (acres): 782 (low) 72 (moderate) 31 (high)						
B. Water-Repellent Soil (acres): 31 (estimation based on high burn severity in pinyon-juniper-chaparral).						
C. Soil Erosion Hazard Rating (acres):						
D. Erosion Potential: 22.6 tons/acre (WEPP with Burn Severity Interface - ERMT)						
E. Sediment Potential:2859_ cubic yards / square mile						
PART IV - HYDROLOGIC DESIGN FACTORS NA						
A. Estimated Vegetative Recovery Period, (years):						
B. Design Chance of Success, (percent):						
C. Equivalent Design Recurrence Interval, (years):						
D. Design Storm Duration, (hours):						
E. Design Storm Magnitude, (inches):						
F. Design Flow, (cubic feet / second/ square mile):						
G. Estimated Reduction in Infiltration, (percent):						
H. Adjusted Design Flow, (cfs per square mile):						
PART V - SUMMARY OF ANALYSIS						

A. **Describe Watershed Emergency:** The BAER assesment team has determined that emergency watershed conditions do not exist and treatments are not necessary.

Watershed Condition: The vast majority (782 out of 885 acres or 88%) of this wildfire burned in light fuels (juniper-grassland transition) which resulted in low burn severity with about 25% unburned areas in a

patchy mosaic. The remaining 103 acres burned in pinyon-juniper-chaparral vegetation types on steeper slopes and ranged from moderate to high burn severity (see attached burn severity map).

Burn severity mapping was conducted via fixed wing and helicoper flight. Numerous passes over the fire were made to accurately map both the fire perimeter and burn severity. The fire burned in three 6th code watersheds but predominantly in the Bull Run watershed followed by the Towel Creek watershed. Overall, 885 acres out of 6415 acres burned, or 14% of the watershed. Areas of moderate or high burn severity are dominated by high amounts of chaparral or pinyon-juniper mixed with evergreen oak chaparral. Areas of low burn severity burned in juniper-grassland vegetation types.

Rationale for No-Emergency Treatments: There are no threats to life, property, and human safety both within and in the affected areas of the watershed downstream of the fire because there is no private land, roads, or trails located downstream. 1st year storm events could locally reduce on-site soil and vegetation productivity but only on about 103 acres. Only about 103 acres burned in moderate or high burn severity classes in chaparal or pinyon-juniper and those areas customarlly naturally regenerate rather rapidly in 1 - 3 years so seeding or other erosion control is not recommended. Treatment of these 103 acres would probably not be any more effective than allowing natural recovery as directed in FSM 2500 section 2523. There are no known archaelogical sites in the moderate or high burn severity areas and would not likely be at risk anyway due to the expected rapid natural regeneration of vegetation. There are no TE&S species or habitat values identified in local habitats and are therefore not at risk either.

Since there are minimal to no values at risk from loss of control of water, emergency watershed conditions do not exist and emergency treatment is not necessary on this fire.

B. Emergency Treatment Objectives: NA

C. Probability of Completing Treatment Prior to First Major Damage-Producing Storm: NA

Land __ % Channel __ % Roads __ % Other __ %

D. Probability of Treatment Success NA

	Years after Treatment					
	1	3	5			
Land						
Channel						
Roads						
Other						

E Cost of	No Action	(Including Loss	·\· NA			
E. COSLOI	INO-ACTION	(including Loss	o) <u>.</u> NA			
F. Cost of	Selected A	Alternative (Inclu	uding Loss): NA			
G. Skills R	epresente	d on Burned-Ar	ea Survey Team:			
[] For [] Co	lydrology restry ntracting sheries		[] Geology [] Fire Mgmt. [] Botany [] Landscape Arc	[] Range [] Engineering [X] Archaeology h [X] GIS	[] []	
Team Lead	ler <u>: Rory S</u>	<u>Steinke</u>				
Email: rste	einke@fs.f	ed.us	Phon	e: 928-527-3451		FAX: 928-527-3620
II Tractus	ont Nouvet	tive. NA				
H. Treatmo		-	ments where and h	now they will be ann	lied and	what they are intende
						ate funding authorities
				tes and species sel		
Land	<u>Treatment</u>	<u>'S</u> :				
Chanr	nel Treatm	<u>ients</u> :				
Roads	s and Trail	Treatments:				
Noaux	s and man	rreatments.				
Struct	ures:					

I. Monitoring Narrative: NA

(Describe the monitoring needs, what treatments will be monitored, how they will be monitored, and when monitoring will occur. A detailed monitoring plan must be submitted as a separate document to the Regional BAER coordinator.)

Part VI – Emergency Rehabilitation Treatments and Source of Funds by Land Ownership NA

Part VI – Emergen			NFS La			X		Other L			All
		Unit	# of	WFSU		X	# of	Fed	# of	Non Fed	Total
Line Items	Units	Cost	Units	SULT \$		8	units	\$	Units	\$	\$
Line items	Office	0031	Office	OOL! W	Ψ	Q(umto	Ψ	Omis	Ψ	Ψ
A. Land Treatments						X					
				\$0	\$0	X		\$0		\$0	\$0
				\$0	\$0			\$0		\$0	\$0
				\$0	\$0			\$0		\$0	\$0
Insert new items above this line!				\$0	\$0			\$0		\$0	\$0
Subtotal Land Treatments				\$0	\$0			\$0		\$0	\$ 0
B. Channel Treatmen	ts					X					·
				\$0	\$0	X		\$0		\$0	\$0
				\$0	\$0	X		\$0		\$0	\$0
				\$0	\$0			\$0		\$0	\$0
Insert new items above this line!				\$0	\$0	X		\$0		\$0	\$0
Subtotal Channel Treat.				\$0	\$0	X		\$0		\$0	\$0
C. Road and Trails						8				•	
				\$0	\$0	8		\$0		\$0	\$0
				\$0	\$0	8		\$0		\$0	\$0
				\$0	\$0	8		\$0		\$0	\$0
Insert new items above this line!				\$0	\$0			\$0		\$0	\$0
Subtotal Road & Trails				\$0	\$0	8		\$0		\$0	\$0
D. Structures						X					
				\$0	\$0	X		\$0		\$0	\$0
				\$0	\$0			\$0		\$0	\$0
				\$0	\$0			\$0		\$0	\$0
Insert new items above this line!				\$0	\$0			\$0		\$0	\$0
Subtotal Structures				\$ 0	\$0	X		\$0		\$0	\$0
E. BAER Evaluation						X					
		325	5	\$1,625	\$0			\$0		\$0	\$1,625
				\$0	\$0			\$0		\$0	\$0
Insert new items above this line!				\$0	\$0			\$0		\$0	\$0
Subtotal Evaluation				\$1,625	\$0	8		\$0		\$0	\$1,625
F. Monitoring						8					
				\$0	\$0	8		\$0		\$0	\$0
Insert new items above this line!				\$0	\$0			\$0		\$0	\$0
Subtotal Monitoring				\$0	\$0	8		\$0		\$0	\$0
						X					
G. Totals				\$1,625	\$0	X	·	\$0		\$0	\$1,625

PART VII - APPROVALS

1.	/s/ Nora B. Rasure_	
	Forest Supervisor (signature)	Date
2.		
	Regional Forester (signature)	Date