

Date of Report: 8/08/2019**BURNED-AREA REPORT****PART I - TYPE OF REQUEST****A. Type of Report**

- ☐ 1. Funding request for estimated emergency stabilization funds
- ☒ 2. No Treatment Recommendation

B. Type of Action

- ☐ 1. Initial Request (Best estimate of funds needed to complete eligible stabilization measures)
- ☐ 2. Interim Request # _____
- ☐ Updating the initial funding request based on more accurate site data or design analysis

PART II - BURNED-AREA DESCRIPTION**A. Fire Name:** Bagnol Fire**B. Fire Number:** ASF-604**C. State:** Arizona**D. County:** Navajo**E. Region:** Southwestern**F. Forest:** Apache-Sitgreaves**G. District:** Lakeside**H. Fire Incident Job Code:** P3MH2F19-0301**I. Date Fire Started:** 7/26/2019**J. Date Fire Contained:** 08/06/2019**K. Suppression Cost:** \$80,000.00**L. Fire Suppression Damages Repaired with Suppression Funds (estimates):** \$0

1. Fireline repaired (miles): 0 miles
2. Other (identify): None

M. Watershed Numbers:*Table 1: Acres Burned by Watershed*

HUC #	Watershed Name	Total Acres	Acres Burned	% of Watershed Burned
150200050107	Bagnol Draw – Show Low Creek	17,714	2,240	13
Total			2,240	13

N. Total Acres Burned:*Table 2: Total Acres Burned by Ownership*

OWNERSHIP	ACRES
NFS	2,240

OWNERSHIP	ACRES
OTHER FEDERAL (LIST AGENCY AND ACRES)	
STATE	
PRIVATE	
TOTAL	2,240

O. **Vegetation Types:** Pinyon-Juniper Woodland (668 acres), Ponderosa Pine Forest (1,456 acres) and Cottonwood-Willow Riparian Forest (116 acres)

P. **Dominant Soils:** Udic Haplustalfs (2,083 acres), Lithic Haplustalfs (41 acres) and Cumulic Haplustolls (116 acres)

Q. **Geologic Types:** Old Alluvial Deposits/Sandstone (2,124 acres) and Mixed Alluvium (116 acres)

R. **Miles of Stream Channels by Order or Class:**

Table 3: Miles of Stream Channels by Order or Class

STREAM TYPE	MILES OF STREAM
PERENNIAL	0
INTERMITTENT	5.9
EPHEMERAL	5.9
OTHER (DEFINE)	0

S. **Transportation System:**

Trails: National Forest (miles): 4.8

Other (miles): 0.0

Roads: National Forest (miles): 8.1

Other (miles): 0.0

PART III - WATERSHED CONDITION

A. **Burn Severity (acres):**

Table 4: Burn Severity Acres by Ownership

Soil Burn Severity	NFS	Other Federal (List Agency)	State	Private	Total	% within the Fire Perimeter
Unburned	1,105				1,105	49
Low	1,115				1,115	50
Moderate	20				20	1
High	0				0	0
Total	2,240				2,240	100

B. **Water-Repellent Soil (acres):** 20

C. **Soil Erosion Hazard Rating:** Slight = 2,240 acres

D. **Erosion Potential:** Estimated 0 – 1 tons/acre. **Sediment Potential:** Estimated 0 – 25 cubic yards / sq. mi.

F. **Estimated Vegetative Recovery Period (years):** 0 – 2 years.

G. **Estimated Hydrologic Response (brief description):** Due to only 1 percent of the entire burned area consisting of moderate soil burn severity with almost half of the fire being unburned, any increase in peak flows as a result of this fire is considered negligible.

PART V - SUMMARY OF ANALYSIS

Introduction/Background

The fire started as a result of a lightning strike on 7/26/19 close to Bagnal Draw on the Lakeside Ranger District. Suppression crews did not have to construct any hand line and existing FS roads were used as control lines. The fire was deemed contained on 8/6/19. Monsoonal precipitation in the area kept fire behavior to a minimum and that is reflected in the overall very low burn severity across the burned area.

A. Describe Critical Values/Resources and Threats (narrative):

Table 5: Critical Value Matrix

Probability of Damage or Loss	Magnitude of Consequences		
	Major	Moderate	Minor
	RISK		
Very Likely	Very High	Very High	Low
Likely	Very High	High	Low
Possible	High	Intermediate	Low
Unlikely	Intermediate	Low	Very Low

- Human Life and Safety (HLS):** Due to the very low burn severity overall it was deemed that the probability of damage or loss is unlikely and the magnitude of consequence is moderate which rates risk as Low.
- Property (P):** Again, due to the very low burn severity, relatively gentle terrain (slight erosion hazard) and essentially little, if any, expected increase in post fire run-off, the probability of damage or loss is unlikely and the magnitude of consequence is minor which rates risk as Very Low.
- Natural Resources (NR):** Soil Productivity and Hydrologic Function - As there was no high severity burn on this fire and moderate accounted for only 1 percent of the entire burned area, no soil erosion, sediment delivery or hydrologic modeling was completed. Very low and unburned areas typically exhibit soil loss and water run-off rates very similar to that of pre-fire conditions. Any increase in soil erosion, sediment delivery, or water run-off is considered negligible. The probability of damage or loss is unlikely and the magnitude of consequence is minor which rates risk as Very Low. / Threatened and Endangered Species – There are no concerns from a T&E perspective. The probability of damage or loss is unlikely and the magnitude of consequence is minor which rates risk as Very Low. / Aquatic Species Habitat – There are no aquatic species habitat concerns. The probability of damage or loss is unlikely and the magnitude of consequence is moderate which rates risk as Low. / Native Plant Communities - There are no known invasive or noxious weed populations of concern in or adjacent to the burned area. Spread is not a concern that would warrant an emergency BAER treatment. The probability of damage or loss to native plant communities is unlikely and the magnitude of consequence is minor which rates risk as Very Low.
- Cultural and Heritage Resources:** There are no cultural or heritage resource concerns. The probability of damage or loss is unlikely and the magnitude of consequence is moderate which rates risk as Low.

B. Emergency Treatment Objectives: N/A

C. Probability of Completing Treatment Prior to Damaging Storm or Event:

Land: N/A

Channel: N/A

Roads/Trails: N/A

Protection/Safety: N/A

D. Probability of Treatment Success: N/A

Table 6: Probability of Treatment Success

	1 year after treatment	3 years after treatment	5 years after treatment
Land			
Channel			
Roads/Trails			
Protection/Safety			

E. Cost of No-Action (Including Loss): N/A

F. Cost of Selected Alternative (Including Loss): N/A

G. Skills Represented on Burned-Area Survey Team:

- ☒ Soils ☒ Hydrology ☐ Engineering ☒ GIS ☐ Archaeology
☐ Weeds ☐ Recreation ☐ Fisheries ☐ Wildlife
☒ Other:

Team Leader: Paul Brown

Email: paul.a.brown@usda.gov

Phone(s): 928-333-6308

Forest BAER Coordinator: Paul Brown

Email: see above

Phone(s): see above

Team Members: *Table 7: BAER Team Members by Skill*

Skill	Team Member Name
Team Lead(s)	Paul Brown
Soils	Eric Robertson
Hydrology	Paul Brown, Dan Bone
Engineering	
GIS	Eric Robertson
Archaeology	
Weeds	
Recreation	
Other	

H. Treatment Narrative: N/A

Land Treatments: N/A

Channel Treatments: N/A

Roads and Trail Treatments: N/A

Protection/Safety Treatments: N/A


I. Monitoring Narrative:


N/A

PART VI – EMERGENCY STABILIZATION TREATMENTS AND SOURCE OF FUNDS

		NFS Lands			Other Lands				All	
		Unit	# of		Other	# of	Fed	# of	Non Fed	Total
Line Items	Units	Cost	Units	BAER \$	\$	units	\$	Units	\$	\$
A. Land Treatments										
				\$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 Treatments										
				\$0	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
Insert new items above this line!				\$0	\$0		\$0		\$0	\$0
Subtotal Channel Treatments				\$0	\$0		\$0		\$0	\$0
C. Road and Trails										
				\$0	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
Insert new items above this line!				\$0	\$0		\$0		\$0	\$0
Subtotal Road and Trails				\$0	\$0		\$0		\$0	\$0
D. Protection/Safety										
				\$0	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
Insert new items above this line!				\$0	\$0		\$0		\$0	\$0
Subtotal Protection/Safety				\$0	\$0		\$0		\$0	\$0
E. BAER Evaluation										
Initial Assessment	1	\$776		--	\$0		\$0		\$0	\$776
				\$0	\$0		\$0		\$0	\$0
Insert new items above this line!				--	\$0		\$0		\$0	\$0
Subtotal Evaluation				\$0	\$0		\$0		\$0	\$776
F. Monitoring										
				\$0	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
Insert new items above this line!				\$0	\$0		\$0		\$0	\$0
Subtotal Monitoring				\$0	\$0		\$0		\$0	\$0
G. Totals					\$0	\$0		\$0		\$776
Previously approved										
Total for this request					\$0					

PART VII - APPROVALS

1. 
 Forest Supervisor


 Date

