Date of Report: 7/11/2019

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: Coleman

B. Fire Number: AZ-ASF 000394

C. State: AZ

D. County: Greenlee

E. Region: Southwestern

F. Forest: Apache-Sitgreaves NF

G. District: Springerville

H. Fire Incident Job Code: P3MC4M

I. Date Fire Started: 6/30/2019

J. Date Fire Contained: July 5th, 2019

K. Suppression Cost: approx. $100.000

L. Fire Suppression Damages Repaired with Suppression Funds (estimates): Click here to enter text.

1. **Fireline repaired (miles):** None
2. **Other (identify):** Click here to enter text.

M. Watershed Numbers:

Table 1: Acres Burned by Watershed

HUC #	Watershed Name	Total Acres	Acres Burned	% of Watershed Burned
150400040503	Campbell Blue Creek	34,218	925	2.7%
150400040501	Coleman Creek	11,859	89	.8%

N. Total Acres Burned:

Table 2: Total Acres Burned by Ownership

OWNERSHIP	ACRES
NFS	1,014

OWNERSHIP	ACRES
OTHER FEDERAL (LIST AGENCY AND ACRES)	0
STATE	0
PRIVATE	0
TOTAL	1,014

O. Vegetation Types: Ponderosa Pine, Mixed Conifer

P. Dominant Soils: Udic Haplustalfs (985 ac.), Typic Glossudalfs (29 ac.)

Q. Geologic Types: Basalt

R. Miles of Stream Channels by Order or Class:

Table 3: Miles of Stream Channels by Order or Class

STREAM TYPE	MILES OF STREAM
PERRENIAL	
INTERMITTENT	
EPHEMERAL	2.4
OTHER (DEFINE)	

S. **Transportation System:**
Trails: *National Forest (miles):* 0.0 *Other (miles):*
Roads: *National Forest (miles):* 11.3 *Other (miles):*

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	330					32.5%
Low	646					63.7%
Moderate	38					3.8%
High						
Total						

B. Water-Repellent Soil (acres): none

C. Soil Erosion Hazard Rating: Moderate 435 ac., Severe 29 ac., Slight 550 ac.

D. Erosion Potential: Estimated 0.01 tones/acre based on Deer Fire modeling results.**Sediment Potential:** Estimated at 0.5 cubic yard/square mile based on Deer Fire modeling results.

F. Estimated Vegetative Recovery Period (years): 3-5 years

G. Estimated Hydrologic Response (brief description): The fire occurred in the same subwatershed as the recent Deer Fire where we a low increase in peak flow (2%) response was anticipated. The Coleman Fire would only contribute a negligible 38 acres of moderate soil burn severity acres to the 34,218 acre subwatershed.

PART V - SUMMARY OF ANALYSIS

Introduction/Background

No roads or other infrastructure are threatened by post- fire conditions. This takes into consideration of the Deer Fire which occurred earlier this year and located lower in the subwatershed. The catchement area surrounding lower fire is tributary to the Campbell Blue River where T & E aquatics critical habitat occurs. Approximately a 3 miles downstream of the confluence private property (Luce Ranch) is located adjacent to the stream. Based on the hydrologic modelings, structures located within the private property are not likely to be effected from the design storm. An input of sediment and ash through this area is likely to be flushed downstream of the burned area from the first few rainstorms occuring in the area. This may result in short-term impacts to water quality which could effect downstream T&E aquatic species, however the risk remains low.

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**

1. **Human Life and Safety (HLS):**
   a. Very Low
2. **Property (P):**Very Low
3. **Natural Resources (NR):**Low
4. **Cultural and Heritage Resources:**Very Low

B. Emergency Treatment Objectives: N/A. No burned area emergency identified. Given pre-fire stand densities and fuel loads, terrain and weather patterns during fire management, soil burn severities are within the anticipated range of variability in areas where fire has recently occurred (Wallow Fire, 2011). Observed erosion and sediment delivery from these sub-watersheds burned during the much larger Wallow Fire suggest that response to storms will have little negative effect, especially given the complete lack of high severity (0%) and only 38 acres of Moderate (6%).

C. **Probability of Completing Treatment Prior to Damaging Storm or Event:** N/A, No BAER Treatments recommended.

Land Click here to enter text. **Channel** Click here to enter text.
Roads/Trails Click here to enter text. **Protection/Safety** Click here to enter text.

D. Probability of Treatment Success

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/ASkills 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:
Email:Paul Brown **Phone(s):**Click here to enter text.

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

Skill	Team Member Name
Team Lead(s)	Paul Brown
Soils	Eric Robertson
Hydrology	John Rihs, Dan Bone
Engineering	Chris Miller
GIS	
Archaeology	Aoife Kilmartin
Weeds	
Recreation	
Other	

H. Treatment Narrative: N/A**Land Treatments:** Click here to enter text.

Channel Treatments: Click here to enter text.**Roads and Trail Treatments:** Click here to enter text.**Protection/Safety Treatments:** Click here to enter text.**I. Monitoring Narrative:** N/A
Click here to enter text.

PART VI – EMERGENCY STABILIZATION TREATMENTS AND SOURCE OF FUNDS

Line Items	Units	Unit Cost	# of Units	BAER $	Other $	# of units	Fed $	# of Units	Non Fed $	Total $
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	Report			---	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				---	$0		$0		$0	$0
Subtotal Evaluation				$0	$0		$0		$0	$0
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**		**$0**	**$0**
Previously approved										
Total for this request				**$0**						

PART VII - APPROVALS

1._____

Forest Supervisor Date