Date of Report: July 1, 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: Coldwater

B. Fire Number: AZ-COF-000299

C. State: AZ

D. County: Coconino

E. Region: 3

F. Forest: Coconino National Forest

G. District: Mogollon Rim

H. Fire Incident Job Code: P3L9R7

I. Date Fire Started: May 30, 2019

J. Date Fire Contained: Not contained – at 90%

K. Suppression Cost: $1.6 million

L. Fire Suppression Damages Repaired with Suppression Funds (estimates): N/A (none)
1. **Fireline repaired (miles): N/A – Forest roads and State Hwy 87 were used as firebreaks**
2. **Other (identify): N/A**

M. Watershed Numbers:

Table 1: Acres Burned by Watershed

HUC #	Watershed Name	Total Acres	Acres Burned	% of Watershed Burned
150200080303	Blue Ridge Reservoir-East Clear Creek	20,246.50	10,368.45	51
150602030104	Clover Creek	9,935.76	4,262.75	43
150602030102	Long Valley Draw	18,290.49	1,626.37	9
150602030103	Toms Creek	8,529.89	338.37	4
150602030203	Webber Creek	22,506.12	93.77	0.4
150200080301	Miller Canyon	10,679.75	91.93	0.9
150602030206	Pine Creek	30726.71	8.50	0.0003

N. Total Acres Burned:

Table 2: Total Acres Burned by Ownership

OWNERSHIP	ACRES
NFS	16,790
OTHER FEDERAL (LIST AGENCY AND ACRES)	0
STATE	0
PRIVATE	0
TOTAL	16,790

O. Vegetation Types: Ponderosa pine (11,990 ac.), mixed conifer with aspen (4,357 ac.), subalpine grassland (445 ac.)

P. Dominant Soils: Typic Haplustalfs (5,352 ac.), Typic Argiborolls (4,848 ac.), Typic Paleboralfs (2,273 ac.), Typic Dystrochrepts (1,667 ac.), Typic Glossoboralfs (1,182 ac.), Udic Argiborolls (734 ac.), Cumulic Haploborolls (437 ac.), Eutric Glossoboralfs (167 ac.), Glossic Eutroboralfs (123 ac.), Pachic Argiborolls (8 ac.)

Q. Geologic Types: Permian limestone and sandstone (10,550 ac.), Middle to late Miocene basalt and alkaline basalt (6,240 ac.)

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	0.12
INTERMITTENT	1.17
EPHEMERAL	5.33
OTHER (DEFINE)	

S. **Transportation System:**
Trails: *National Forest (miles):* 5.7 *Other (miles):*
Roads: *National Forest (miles):* 143.4 *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	3,557	0	0	0	3,557	21.2
Low	12,621	0	0	0	12,621	75.2
Moderate	591	0	0	0	591	3.5
High	21	0	0	0	21	0.1
Total	16,790	0	0	0	16,790	

B. Water-Repellent Soil (acres): Approximately one third of moderate soil burn severity acres and all high soil burn severity exhibit hydrophobic properties, totaling 198 ac.

C. Soil Erosion Hazard Rating: Slight (9,016.15 ac.), Moderate (3,050.27 ac.), Severe (4,723.70 ac.)

D. Erosion Potential: 40,296 total tons. Average soil loss is 2.4 tons per ac.Sediment Potential: 8,059.2 total tons of sediment delivery

F. Estimated Vegetative Recovery Period (years): 1-3 years

G. Estimated Hydrologic Response (brief description): Peak flows are not expected to increase by more than 10 percent above background levels. A significant runoff response would likely be the result of a monsoon storm even. The 90 percent for point precipitation frequency and associated confidence interval estimates that a typical 1-hr. 0.20 (20 percent chance) rainfall recurrence interval (5-year event) is 1.28 in. (1.10 in. – 1.48 in.). There has already been one rain event of this magnitude while fire management was in progress with no deleterious effects to watersheds, roads, trails or other downstream Forest Service infrastructure.

PART V - SUMMARY OF ANALYSIS

Introduction/Background
No BAER Emergency. This was a managed fire with limited moderate (592 ac.) and high (21 ac.) burn severity.

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. Click here to enter text.
2. **Property (P):**Click here to enter text.
3. **Natural Resources (NR):**Click here to enter text.
4. **Cultural and Heritage Resources:**Click here to enter text.

B. Emergency Treatment Objectives: N/A – No emergency

C. Probability of Completing Treatment Prior to Damaging Storm or Event:
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): Click here to enter text.

F. Cost of Selected Alternative (Including Loss): Click here to enter text.**Skills Represented on Burned-Area Survey Team:**

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

Team Leader:
Email: Click here to enter text. **Phone(s)**Click here to enter text.

Forest BAER Coordinator:
Email: Click here to enter text. **Phone(s):**Click here to enter text.

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

Skill	Team Member Name
Team Lead(s)	
Soils	
Hydrology	
Engineering	
GIS	
Archaeology	
Weeds	
Recreation	
Other	

H. Treatment Narrative: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:** Click here to enter text.

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	Report	$395	1.5	$592.76	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				—	$0		$0		$0	$0
Subtotal Evaluation				$593	$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				$593	$0		**$0**		**$0**	**$0**
Previously approved										
Total for this request				**$593**						

PART VII - APPROVALS

1. Laura J. West — 7/11/19

Forest Supervisor — Date