

Date of Report: 9/16/2019**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:** Castle
- B. Fire Number:** AZKNF-000499
- C. State:** AZ
- D. County:** Coconino
- E. Region:** Southwestern
- F. Forest:** Kaibab
- G. District:** North Kaibab
- H. Fire Incident Job Code:** P3ME44
- I. Date Fire Started:** 7/12/2019
- J. Date Fire Contained:** 9/10/19
- K. Suppression Cost:** \$6,250,000.00
- L. Fire Suppression Damages Repaired with Suppression Funds (estimates):** Click here to enter text.
1. Fireline repaired (miles): 5
2. Other (identify): 10 miles of forest roads rehabbed
- M. Watershed Numbers:**

Table 1: Acres Burned by Watershed

HUC #	Watershed Name	Total Acres	Acres Burned	% of Watershed Burned
150100030701	Castle Canyon	11,175	5,247	47
150100030702	Lookout Lakes	38,737	14,120	36

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

OWNERSHIP	ACRES
NFS	19,368

OWNERSHIP	ACRES
OTHER FEDERAL (LIST AGENCY AND ACRES)	
STATE	
PRIVATE	
TOTAL	19,368

O. Vegetation Types: ABCO/PSMEG/PIPOS/QUGA, PIPOS/QUGA

P. Dominant Soils: Alfisols

Q. Geologic Types: Limestone

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	77.7
OTHER (DEFINE)	

S. Transportation System:

Trails: National Forest (miles): 6.2

Other (miles):

Roads: National Forest (miles): 175.2

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	5,889					30
Low	13,112					68
Moderate	368					2
High						
Total	19,368					100

B. Water-Repellent Soil (acres): 0

C. Soil Erosion Hazard Rating: Slight – 3,049 Moderate – 6,820 Severe – 9,499

D. Erosion Potential: Very Low Sediment Potential: Very Low

F. Estimated Vegetative Recovery Period (years): Click here to enter text.

G. Estimated Hydrologic Response (brief description): Click here to enter text.

PART V - SUMMARY OF ANALYSIS

Introduction/Background

The Castle fire burned approximately 19,368 acres across the North Kaibab Ranger District on the Kaibab National Forest. Very low and low soil burn severity occurred across the majority of the fire footprint. No threats to critical values exist.

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: Click here to enter text.

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: micah.kiesow@usda.gov

Phone(s): 928-635-8354

Forest BAER Coordinator:

Email: Micah Kiesow

Phone(s): 928-635-8354

Team Members: Table 7: BAER Team Members by Skill

Skill	Team Member Name
Team Lead(s)	Micah Kiesow
Soils	Micah Kiesow
Hydrology	
Engineering	

Skill	Team Member Name
GIS	Mark Christiano
Archaeology	
Weeds	Mike Hanneman
Recreation	
Other	Garry Domis

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

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
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Land Treatments</i>				\$0	\$0		\$0		\$0	\$0
B. Channel Treatments										
				\$0	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Channel Treatments</i>				\$0	\$0		\$0		\$0	\$0
C. Road and Trails										
				\$0	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Road and Trails</i>				\$0	\$0		\$0		\$0	\$0
D. Protection/Safety										
				\$0	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Protection/Safety</i>				\$0	\$0		\$0		\$0	\$0
E. BAER Evaluation										
Initial Assessment	Report			---	\$4,000		\$0		\$0	\$4,000
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				---	\$0		\$0		\$0	\$0
<i>Subtotal Evaluation</i>				\$0	\$4,000		\$0		\$0	\$4,000
F. Monitoring										
				\$0	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Monitoring</i>				\$0	\$0		\$0		\$0	\$0
G. Totals										
Previously approved				\$0	\$4,000		\$0		\$0	\$4,000
Total for this request				\$0						

PART VII - APPROVALS

1.  for Forest Supervisor

9/16/19
Date

