

Date of Report: 08/21/2019**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:** Roberts Fire**B. Fire Number:** NM-CIF-000143**C. State:** New Mexico**D. County:** Socorro**E. Region:** Region 3**F. Forest:** Cibola NF**G. District:** Magdalena RD**H. Fire Incident Job Code:** P3ME51**I. Date Fire Started:** 7/13/2019**J. Date Fire Contained:** Estimated 8/30/2019**K. Suppression Cost:** 2,200,000.00 estimated total**L. Fire Suppression Damages Repaired with Suppression Funds (estimates):** Click here to enter text.

1. **Fireline repaired (miles):** Click here to enter text.
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

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

OWNERSHIP	ACRES
NFS	5,019

OWNERSHIP	ACRES
OTHER FEDERAL (LIST AGENCY AND ACRES)	0
STATE	0
PRIVATE	0
TOTAL	5,019

O. **Vegetation Types:** Click here to enter text.

P. **Dominant Soils:** Click here to enter text.

Q. **Geologic Types:** Click here to enter text.

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	
INTERMITTENT	
EPHEMERAL	
OTHER (DEFINE)	

S. **Transportation System:**

Trails: National Forest (miles):

Other (miles):

Roads: National Forest (miles):

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
No Data	343	0	0	0	343	6.8%
Unburned	2,513	0	0	0	2,513	50.1%
Low	1,834	0	0	0	1,834	36.5%
Moderate	307	0	0	0	307	6.5%
High	6	0	0	0	6	<0.01%
Total	5,019	0	0	0	5,019	

B. **Water-Repellent Soil (acres):** N/A

C. **Soil Erosion Hazard Rating:** N/A

D. **Erosion Potential:** N/A **Sediment Potential:** N/A

F. **Estimated Vegetative Recovery Period (years):** N/A

G. **Estimated Hydrologic Response (brief description):** N/A

PART V - SUMMARY OF ANALYSIS

Introduction/Background

The Roberts incident started as a lightning ignited fire on July 13, 2019. The fire made a couple short crown runs on the first day then became a creeping smoldering fire for the next five days. Starting on July 18th aerial ignitions were used to grow the fire to approximately 5,000 acres by the 24th of July. The entire burn is within the Apache Kid Wilderness area.

Cloud cover made getting a good BARC map challenging but two images were captured and processed by GTAC on the 26th and 31st of July. By combining the two images a final BARC map was produced with only 7% of the fire area being obscured by clouds. Due to the remoteness and steepness of the terrain ground truthing was not possible, however aerial reconnaissance supported the BARC classifications. Therefore the merged BARC was accepted as a good reflection of the soil burn severity and was used without modification to produce the SBS map.

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

No emergency risks were determined to exist. Values at risk considered included the Pankey Mine, Springtime campground and the Indian Creek wilderness trail. Approximately 40 acres of the burn perimeter are in the watershed which drains past the Pankey mine. Of those 40 acres 10 acres burned with a severity of Moderate and less than 1ac of High. The Indian Creek trail has already been washed out from past storm events and is in disrepair. The district plans on decommissioning the trail. Finally Springtime campground is situated in a drainage which saw no fire at all and will be unaffected.

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:

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

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.](#)

G. Skills Represented on Burned-Area Survey Team:

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

Team Leader:**Email:**Rob Arlowe**Phone(s)**505-346-3849**Forest BAER Coordinator:** Rob Arlowe**Email:**robert.arlowe@usda.gov**Phone(s):**505-346-3849**Team Members:** *Table 7: BAER Team Members by Skill*

Skill	Team Member Name
<i>Team Lead(s)</i>	Rob Arlowe
<i>Soils</i>	
<i>Hydrology</i>	
<i>Engineering</i>	
<i>GIS</i>	Rob Arlowe
<i>Archaeology</i>	
<i>Weeds</i>	
<i>Recreation</i>	
<i>Other</i>	

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	NFS Lands		Other \$	Other Lands		Non Fed \$	All Total \$
			# of Units	BAER \$		# of units	Fed \$		
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
Subtotal Land Treatments				\$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
Subtotal Channel Treatments				\$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
Subtotal Road and Trails				\$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
Subtotal Protection/Safety				\$0	\$0		\$0	\$0	\$0
E. BAER Evaluation									
Initial Assessment	Report	\$960	1	--	\$960		\$0	\$0	\$960
					\$0		\$0	\$0	\$0
<i>Insert new items above this line!</i>				--	\$0		\$0	\$0	\$0
Subtotal Evaluation					\$0		\$0	\$0	\$960
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
Subtotal Monitoring				\$0	\$0		\$0	\$0	\$0
G. Totals				\$0	\$960		\$0	\$0	\$960
Previously approved									
Total for this request				\$0					

PART VII - APPROVALS

1. Steve Hatterdahl 8/21/19
 Forest Supervisor Date