

**Date of Report: 8/27/2020****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: Rolls****B. Fire Number: AZ-TNF-2533****C. State: Arizona****D. County: Maricopa****E. Region: Southwestern Region****F. Forest: Tonto NF****G. District: Mesa****H. Fire Incident Job Code: P3NF65****I. Date Fire Started: 8/18/2020****J. Date Fire Contained: 8/22/2020****K. Suppression Cost:****L. Fire Suppression Damages Repaired with Suppression Funds (estimates):**

1. Fireline repaired (miles):
2. Other (identify):

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

HUC #	Watershed Name	Total Acres	Acres Burned	% of Watershed Burned
150601060112	Jones Canyon	12000	798	7

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

OWNERSHIP	ACRES
NFS	798
OTHER FEDERAL (LIST AGENCY AND ACRES)	
STATE	
PRIVATE	
TOTAL	798

**O. Vegetation Types: Sonoran Desert****P. Dominant Soils: Ustic Haplargids****Q. Geologic Types: Conglomerate****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	6.4
EPHEMERAL	0
OTHER (DEFINE)	

**S. Transportation System:**Trails: *National Forest (miles):**Other (miles):*Roads: *National Forest (miles): 3.7**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	142				142	17
Low	657				657	82
Moderate	0				0	0
High	0				0	0
<b>Total</b>	<b>798</b>				<b>798</b>	<b>100</b>

**B. Water-Repellent Soil (acres): 0 acres due to soil burn severity, there may be some “naturally” water repellent soils due to dry organic materials in the surface horizon.****C. Soil Erosion Hazard Rating:**

Slight – 207 acres

Moderate – 586 acres

**D. Erosion Potential: 0.1 ton/ac****E. Sediment Potential: 0.1 ton/ac****F. Estimated Vegetative Recovery Period (years): 5 years**

**G. Estimated Hydrologic Response (brief description):** Including the Bush fire as well as the Goldfield fire, the Jones Canyon watershed has about 40% of its area burned with the Rolls fire contributing to about 7%. West side of the Bush Highway showed minimal increases in post fire runoff compared to pre fire. Total increased peak flows from pre burn to post burn at the bottom of the watershed, near the Butcher Jones recreation site showed a 29% increase at the 2yr return interval and 8% at the 100yr interval. Hydrologic modeling was conducted using HEC HMS and accounted for the Bush fire as well as the Goldfield fire. A complete hydrologic analysis can be found in the Hydrological report for the Goldfield and Rolls fire.

**PART V - SUMMARY OF ANALYSIS****Introduction/Background****A. Describe Critical Values/Resources and Threats (narrative):***Table 5: Critical Value Matrix*

Probability of Damage or Loss	Magnitude of Consequences		
	Major	Moderate	Minor
	<b>RISK</b>		
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):** The probability of damage or loss to life and safety is possible to likely, while the magnitude of consequences is moderate to major. Accordingly, the risk to life and safety is intermediate to very high within and down gradient from the burned area due to potential for increased runoff debris flows and rolling rocks. Forest users could be at risk on roads, trails, and designated recreation sites within the area.
- 2. Property (P):** Butcher Jones Recreation Site, FR13, FR1804, FR1863, FR1811, FR1808, dispersed recreation sites, as well as illegal motorized access from Bush highway onto forest service lands ("The Rolls OHV Area")
- 3. Natural Resources (NR):** Further spread of buffelgrass, fountain grass, and stinknet. Sonoran desert tortoise and desert bighorn sheep. Likely no direct effects to sheep, but indirect temporary loss of forage species. Sonoran desert tortoise may have experienced direct effects with indirect effects through loss of cover and forage species.
- 4. Cultural and Heritage Resources:** One "Not Eligible" historic site.

**B. Emergency Treatment Objectives:** Based on minimal increase in modeled flows, and the current Bush fire public safety closure which overlaps the burn area, no life and safety treatments are recommended. The area should be monitored, however, between now and the beginning of monsoon season as it may be advisable to notify the public of the increased risk or to continue restrict access to the area until after the first few larger storms. In order to slow the spread of invasive and noxious weeds, early detection and rapid removal (EDRR) treatments are recommended.

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

Land:

Channel:

Roads/Trails:

Protection/Safety:

**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):****F. Cost of Selected Alternative (Including Loss):****G. Skills Represented on Burned-Area Survey Team:**

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

**Team Leader: Michael Martinez****Email:** michael.a.martinez@usda.gov**Phone(s):** 602-225-5252**Forest BAER Coordinator: Kelly Mott Lacroix****Email:** kelly.mottlacroix@usda.gov**Phone(s):** 602-225-5210**Team Members:** *Table 7: BAER Team Members by Skill*

<b>Skill</b>	<b>Team Member Name</b>
<i>Team Lead(s)</i>	Mike Martinez
<i>Soils</i>	Nori Koehler and Thomas Giambra
<i>Hydrology</i>	Alexander Makic
<i>Engineering</i>	
<i>GIS</i>	
<i>Archaeology</i>	
<i>Weeds</i>	Ryan Nicholas
<i>Recreation</i>	Kelly Finley
<i>Other</i>	Kelly Kessler

**H.**

**Treatment Narrative:** Because wildland fire can exacerbate the spread of weeds, EDRR is recommended for early detection and removal of noxious plants. We are requesting \$3,750 for detection and removal of species of concern such as buffelgrass, fountain grass, and stinknet.

**Land Treatments:****Channel Treatments:****Roads and Trail Treatments:****Protection/Safety Treatments:****I. Monitoring Narrative:** To be determined

**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 \$
<b>A. Land Treatments</b>										
Invasive Specie EDRR		3,750	1	\$3,750	\$0		\$0		\$0	\$3,750
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Land Treatments</i>				<b>\$3,750</b>	<b>\$0</b>		<b>\$0</b>		<b>\$0</b>	<b>\$3,750</b>
<b>B. Channel Treatments</b>										
				\$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>				<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		<b>\$0</b>	<b>\$0</b>
<b>C. Road and Trails</b>										
				\$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>				<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		<b>\$0</b>	<b>\$0</b>
<b>D. Protection/Safety</b>										
				\$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>				<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		<b>\$0</b>	<b>\$0</b>
<b>E. BAER Evaluation</b>										
Initial Assessment	Report			\$1,674	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				---	\$0		\$0		\$0	\$0
<i>Subtotal Evaluation</i>				<b>\$1,674</b>	<b>\$0</b>		<b>\$0</b>		<b>\$0</b>	<b>\$0</b>
<b>F. Monitoring</b>										
				\$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>				<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		<b>\$0</b>	<b>\$0</b>
<b>G. Totals</b>				<b>\$5,424</b>	<b>\$0</b>		<b>\$0</b>		<b>\$0</b>	<b>\$3,750</b>
Previously approved										
Total for this request				<b>\$5,424</b>						

**PART VII - APPROVALS**

1. \_\_\_\_\_  
 Forest Supervisor Date