

Date of Report: 8/23/2022**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: Tonto Canyon****B. Fire Number: AZ-CNF-000456****C. State: AZ****D. County: Santa Cruz****E. Region: 03****F. Forest: Coronado****G. District: Nogales****H. Fire Incident Job Code: P3 PP69 0305****I. Date Fire Started: 6/12/2022****J. Date Fire Contained: 6/22/2022****K. Suppression Cost: \$2,000,000****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
150802000101	Sycamore Canyon	16,651	4,274	25.67%
150503010501	Aqua Fria Canyon	27,079	6,569	24.26%

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

OWNERSHIP	ACRES
NFS	10,843
MEXICO	2,719

OWNERSHIP	ACRES
STATE	
PRIVATE	
TOTAL	13,562

O. Vegetation Types: semidesert grasslands, mesquite, oak, catclaw

P. Dominant Soils:

Q. Geologic Types:

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	0.00
INTERMITTENT	72.45 (FS-60.60 Mexico-11.85)
EPHEMERAL	0.00
OTHER (DEFINE)	0.00

S. Transportation System:

Trails: National Forest (miles): 8.39      Other (miles): 0.00  
 Roads: National Forest (miles): 18.28      Other (miles): 0.00

### **PART III - WATERSHED CONDITION**

A. Burn Severity (acres): From lead Resource Advisor (READ), Sean Lockwood: The majority of the Tonto Canyon Fire was a low severity burn and only burned grass species and did not consume most of the larger fuels such as mesquite, oak and catclaw.

Table 4: Burn Severity Acres by Ownership

Soil Burn Severity	NFS	Other Federal (List Agency)	State	Private	Total	% within the Fire Perimeter
Unburned						
Low						
Moderate						
High						
Total						

B. Water-Repellent Soil (acres): From READ Report - The fire was a very fast-moving fire and not a lot of heat was transferred into the soil. Locations were some of the dead and down did transfer into the soil, but not enough heat was transferred to affect the soil or make it hydrophobic.

C. Soil Erosion Hazard Rating:

D. Erosion Potential:

E. Sediment Potential:

F. Estimated Vegetative Recovery Period (years):

G. Estimated Hydrologic Response (brief description):

### **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):
2. Property (P):
3. Natural Resources (NR):
4. Cultural and Heritage Resources:

### B. Emergency Treatment Objectives:

### 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: Veg

Team Leader:

Email:

Phone(s)

Forest BAER Coordinator: Christine Thiel

Email: christine.thiel@usda.gov

Phone(s): (520) 388-8351

Team Members: Table 7: BAER Team Members by Skill

Skill	Team Member Name
Team Lead(s)	
Soils	Sean Lockwood, READ
Hydrology	
Engineering	

Skill	Team Member Name
<i>GIS</i>	
<i>Archaeology</i>	
<i>Weeds</i>	Sean Lockwood, READ
<i>Recreation</i>	
<i>Other</i>	Sean Lockwood, READ

**H. Treatment Narrative:****Land Treatments:****Channel Treatments:****Roads and Trail Treatments:****Protection/Safety Treatments:****I. Monitoring Narrative:**

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

**PART VII - APPROVALS**

1.

Forest Supervisor

Date