

Date of Report:
August 19th, 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: McKinney****B. Fire Number: CA-KNF-006177****C. State: CA****D. County: Siskiyou****E. Region: 5****F. Forest: Klamath****G. District: Oak Knoll****H. Fire Incident Job Code: P5PX2F (0505)****I. Date Fire Started: 7/29/2022****J. Date Fire Contained: 95%****K. Suppression Cost: \$55 M****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

N. Total Acres Burned: 60,392

Table 2: Total Acres Burned by Ownership

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

O. Vegetation Types:

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	
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
Unburned						
Low						
Moderate						
High						
Total						

B. Water-Repellent Soil (acres):

C. Soil Erosion Hazard Rating:

D. Erosion Potential:

E. Sediment Potential:

Summary of Watershed Response

F. Estimated Vegetative Recovery Period (years):**G. Estimated Hydrologic Response (brief description):****PART V - SUMMARY OF ANALYSIS****Introduction/Background**

July 29th, 2022 fire start on steep slopes above Klamath River fire exploded to 20,000 in 8 hours destroying 122 structures and outbuildings with 4 people perishing. Fire grew in all directions in the next few to 60,000 acres. On August 2nd, 2022, an upper-level high pressure shifted east of the fire and deep monsoonal moisture surged into the area from the south. Precipitable water values were the highest ever observed for Medford weather station. Flash floods and debris flow warnings were issued for storms in the area. Very heavy thunderstorms on August 2nd, 2022, affected the McKinney Fire in the evening producing 2 to 3 inches of rain in 1 hour over the eastern portion of the Fire. At 8 pm in the evening of August 2, 2022, flash flooding was reported in Humbug Creek with the bridge crossing being challenged. At the same time Vesa and Little Humbug creeks were flooding and producing debris flows blocking the Walker Road. By 9:15 pm the storm moved off the eastern half of the fire and continued east.

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):

Footbridge washed into Klamath River resulting in very dangerous conditions for rafters on FS Wild and Scenic River. It is not effective in closing the river to rafters.

2. Property (P): Forest Service roads all culvert basins complexly full of sediment causing road to erode and undercut.

b.

3. Natural Resources (NR):**4. Cultural and Heritage Resources:****B. Emergency Treatment Objectives:** Remove boating hazard and clean culverts before roads blow out from summer storms.**C. Probability of Completing Treatment Prior to Damaging Storm or Event:**

Land: 95%

Channel: 100%

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: Brad Rust**Email:** brad.rust@usda.gov**Phone(s)** 530-917-0434**Forest BAER Coordinator:** Bill Wall**Email:** bill.wall@usda.gov**Phone(s):** 530-643-3058**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:** clean out culvert basins on 32 miles of roads at \$3,000/mile.**Channel Treatments:** remove footbridge in Klamath River cost of \$5,000.**Roads and Trail Treatments:****Protection/Safety Treatments:****I. Monitoring Narrative:**

PART VI – EMERGENCY STABILIZATION TREATMENTS AND SOURCE OF FUNDS

Line Items	Units	Unit Cost	NFS Lands		Other	Other Lands				All Total
			# of Units	BAER \$		# of units	Fed \$	# of Units	Non 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										
remove river debris	ea	5,000	1	\$5,000	\$0		\$0		\$0	\$5,000
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
Subtotal Channel Treatments				\$5,000	\$0		\$0		\$0	\$5,000
C. Road and Trails										
culvert basin cleanouts	project	95,000	1	\$95,000	\$0		\$0		\$0	\$95,000
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
Subtotal Road and Trails				\$95,000	\$0		\$0		\$0	\$95,000
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			---	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				---	\$0		\$0		\$0	\$0
Subtotal Evaluation				\$0	\$0		\$0		\$0	\$0
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				\$100,000	\$0		\$0		\$0	\$100,000
Previously approved										
Total for this request				\$100,000						

PART VII - APPROVALS

1. Kristen Sexton
Forest Supervisor

8/19/2022
Date

