

Date of Report:10.21.2021**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:** Rush Fire**B. Fire Number:** ID.PAF.000422**C. State:** Idaho**D. County:** Valley**E. Region:** R4**F. Forest:** Payette NF**G. District:** Krassel**H. Fire Incident Job Code:** P4NGA121**I. Date Fire Started:** 07-16-2021**J. Date Fire Contained:** 10-13-2021**K. Suppression Cost:** \$385,000**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
170602050801	Upper Marble Creek	26152	844	3%
170602050803	Trail Creek	16830	130	1%
170602060801	Upper Rush Creek	16752	6918	41%
170602060802	Middle Rush Creek	24949	157	1%

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

OWNERSHIP	ACRES
NFS	10,564

OWNERSHIP	ACRES
OTHER FEDERAL (LIST AGENCY AND ACRES)	
STATE	
PRIVATE	
TOTAL	10,564

- O. Vegetation Types:** Lodgepole Pine, Mixed Xeric Forest, Mixed Subalpine Fir Forest, minor components of Mixed Whitebark Pine Forest and Sagebrush.
- P. Dominant Soils:** Typic Cryoborolls, loamy skeletal, mixed, Lithic Hapludolls, loamy skeletal, mixed, frigid and Lithic Cryorthents, sandy skeletal, mixed
- Q. Geologic Types:** Sunnyside Tuff, Thunder Mountain caldera and Lapilli tuff. Volcanic rocks, mostly andesite and rhyolite

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	17.5
INTERMITTENT	22.4
EPHEMERAL	
OTHER (DEFINE)	

S. Transportation System:

Trails: National Forest (miles):

Other (miles):

Roads: National Forest (miles):

Other (miles):

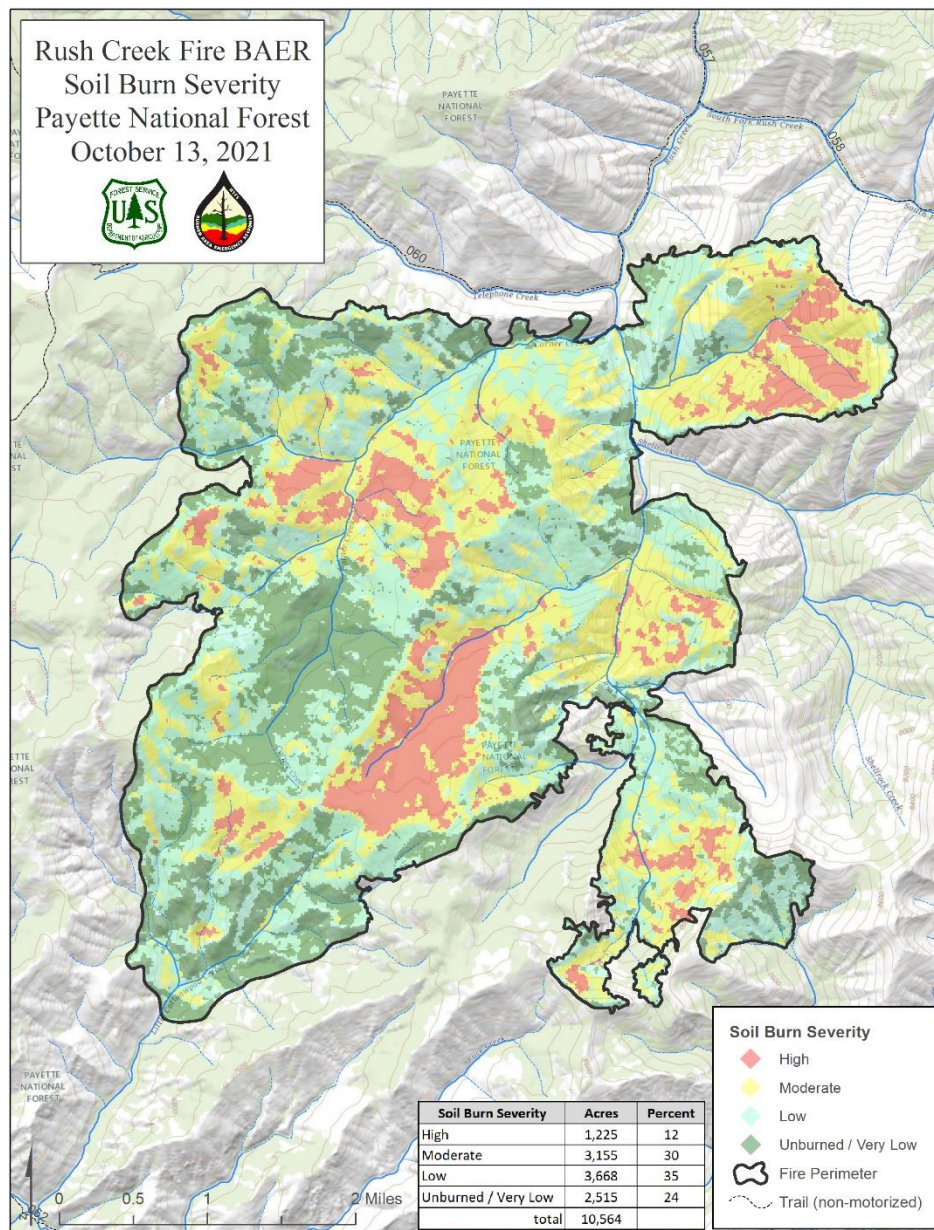
Airstrips: One

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	2,537					24
Low	3,624					34
Moderate	3,139					30
High	1,268					12
Total	10,564					100



- B. Water-Repellent Soil (acres):** Undetermined (no field validation). It is estimated that the high and moderate severity burn has some degree of water repellency and will influence erosion rates.
- C. Soil Erosion Hazard Rating:** Landtype-based erosion hazard ratings for the burned area are: Low 552 acres (5%), Moderate 3,963 acres (38%), High 6,049 (57%)
- D. Erosion Potential:** The erosion potential within the fire area is variable due to landtype variability but is predominantly high. Land slide Prone (LSP) hazard rating within the fire perimeter is: Stable 7,193 acres (68%), Low 2,519 acres (24%), Moderate 483 acres (5%), High 368 (3%).
- E. Sediment Potential:** Sediment potential, like erosion potential, is variable within the fire perimeter. High erosion potential coupled with steep topography and relatively high drainage density results in a high sediment potential. Sediment potential is expected to be within the natural range of variability for this landtype.
- F. Estimated Vegetative Recovery Period (years): 5**

G. Estimated Hydrologic Response (brief description): It is reasonable to expect increased post-fire runoff in drainages with moderate to high soil burn severity, including Corner Creek and Rush Creek. No hydrologic modeling was performed for this fire due to lack of VAR in this wilderness setting.

PART V - SUMMARY OF ANALYSIS

Introduction/Background

A. Describe Critical Values/Resources and Threats (narrative): The Rush fire occurred within the Frank Church River of No Return Wilderness where natural processes are encouraged. There were no values at risk identified that warranted emergency treatments.

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):**

2. **Property (P):**

3. **Natural Resources (NR):**

4. **Cultural and Heritage Resources:** The Rush Fire has 2 recorded cultural resources within the fire perimeter. One site is eligible and the other is ineligible for listing on the National Register of Historic Places (NRHP). However, the eligible site is not considered fire sensitive and is not expected to be adversely affected by fire. There is 1 known cultural resource within 250 meters of the fire perimeter ineligible for listing on the National Register of Historic Places (NRHP).

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:

- | | | | | |
|---|--|--------------------------------------|---|---|
| <input checked="" type="checkbox"/> Soils | <input checked="" type="checkbox"/> Hydrology | <input type="checkbox"/> Engineering | <input checked="" type="checkbox"/> GIS | <input checked="" type="checkbox"/> Archaeology |
| <input checked="" type="checkbox"/> Weeds | <input checked="" type="checkbox"/> Recreation | <input type="checkbox"/> Fisheries | <input type="checkbox"/> Wildlife | |
| <input type="checkbox"/> Other: | | | | |

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Forest BAER Coordinator: Leigh Bailey
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Team Members: *Table 7: BAER Team Members by Skill*

Skill	Team Member Name
<i>Team Lead(s)</i>	John Dixon
<i>Soils</i>	John Dixon
<i>Hydrology</i>	John Dixon, Camron Carsley (trainee)
<i>Engineering</i>	Ben Dreier
<i>GIS</i>	Cameron Carsley
<i>Archaeology</i>	Marielle Pedro Black
<i>Weeds</i>	Joshua Simpson
<i>Recreation</i>	Joshua Simpson
<i>Fisheries</i>	Caleb Zurstadt
<i>Wildlife</i>	Brian Davis
<i>Botany</i>	Kristin Williams
<i>Other</i>	

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 \$
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			---	\$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>				\$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
<i>Subtotal Monitoring</i>				\$0	\$0		\$0		\$0	\$0
G. Totals				\$0	\$0		\$0		\$0	\$0
Previously approved										
Total for this request				\$0						

PART VII - APPROVALS

1. _____
 Forest Supervisor Date