

Date of Report: 09/09/2017

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

- ☐ 1. Funding request for estimated emergency stabilization funds
- ☐ 2. Accomplishment Report
- ☒ 3. No Treatment Recommendation

B. Type of Action

- ☐ 1. Initial Request (Best estimate of funds needed to complete eligible stabilization measures)
- ☐ 2. Interim Report # ____.
 - ☐ Updating the initial funding request based on more accurate site data or design analysis
 - ☐ Status of accomplishments to date
- ☐ 3. Final Report (Following completion of work)

PART II - BURNED-AREA DESCRIPTION

- A. Fire Name:** Whychus Fire
- B. Fire Number:** OR-OCF-000814
- C. State:** OR
- D. County:** Jefferson
- E. Region:** 6
- F. Forest:** Ochoco
- G. District:** Crooked River National Grassland
- H. Fire Incident Job Code:** P6K9L417
- I. Date Fire Started:** 8/10/17
- J. Date Fire Contained:** 90% as of 8/17/17
- K. Suppression Cost:** Unknown
- L. Fire Suppression Damages Repaired with Suppression Funds**
 - 1. Fireline waterbarred (miles):** none, dozer lines to remain open for a month or more for potential contingency.
 - 2. Fireline seeded (miles):** none, dozer lines to remain open for a month or more for potential contingency.
 - 3. Other (identify):**
- M. Watershed Numbers:** Lower Whychus Creek Subwatershed (170703010709) within the Whychus Watershed (1707030107)
- N. Total Acres Burned:** 2,030 acres

[1870] NFS Acres [0] Other Federal [0] State [160] Private

- O. Vegetation Types:** Mostly juniper, sage and grassland, with few dispersed ponderosa pine.
- P. Dominant Soils:** Cobbly and Sandy Loam
- Q. Geologic Types:** Includes the Deschutes and Clarno Formations with alternating layers of basaltic lava, stream sediment, and volcanic debris. One to three million years ago, lava flows from the Cascades and Newberry Volcano capped the exposed material, forming the "rimrock basalt" which is visible atop much of the canyon areas.
- R. Miles of Stream Channels by Order or Class:** Approximately 1 mile of perennial stream (Whychus Creek) in a narrow canyon and 2.5 miles of ephemeral/intermittent stream.
- S. Transportation System:** Fire is located west of Crooked River Ranch, approximately 8 miles northeast of Sisters, OR. The fire has one primary public use road that passes through the fire (6360 road).

Trails: 0

Roads: Approximately 6 miles of open road

PART III - WATERSHED CONDITION

- A. Burn Severity (acres):** A BARC map was not acquired. From field reconnaissance, most of the fire area was low burn severity, with small pockets of moderate to high severities (mostly underneath juniper trees where debris had accumulated).
- B. Water-Repellent Soil (acres):** None
- C. Soil Erosion Hazard Rating (acres):** Most of the fire area **(low)** None **(moderate)** None **(high)**
- D. Erosion Potential:** Background levels **(tons/acre)**
- E. Sediment Potential:** Background levels **(cubic yards / square mile)**

PART IV - HYDROLOGIC DESIGN FACTORS –

Not performed due to low soil burn severity fire and relatively low gradient slopes.

- A. Estimated Vegetative Recovery Period, (years):**
- B. Design Chance of Success, (percent):**
- C. Equivalent Design Recurrence Interval, (years):**
- D. Design Storm Duration, (hours):**

- E. Design Storm Magnitude, (inches):**
- F. Design Flow, (cubic feet / second/ square mile):**
- G. Estimated Reduction in Infiltration, (percent):**
- H. Adjusted Design Flow, (cfs per square mile):**

PART V - SUMMARY OF ANALYSIS

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

The following is a brief summary of the values within and along the fire area as well as the rationale for whether or not a threat exists.

- Property (roads, culverts) – There are a few interior roads. All roads are either privately owned or are public use roads. There are no threats to these assets due to low gradient slopes, low burn severities, and small contributing drainage areas that were burned.
- Naturalized Vegetative Communities – Weed populations within and adjacent to the fire threaten native plant communities. There are no large contiguous areas of moderate/high burn severity adjacent to existing weed populations to justify treatment.
- Natural and Cultural Resources –
 - The Wychus fire affected seven sites from the historic period and prehistoric period. All seven of the sites are prehistoric lithic sites and two of the sites have a historic component as well. Two of the sites are eligible for inclusion in the National Register of Historic Places (NRHP) and the other five are considered potentially eligible for inclusion in the NRHP. The low severity of the burn likely did not affect any of the sites. Based on the potential for erosion within the fire perimeter it is unlikely that there will be a loss of the sites integrity due to erosion. It is possible that the sites will be exposed and resources would be looted, however no treatment is recommended based on the limited surrounding vegetation and grass cover. The grassland tends to be sparsely vegetated to begin with adding mulch or cover to the site would only draw attention to the sites location. The potential for looting existed prior to the fire and was only slightly increased by the sparse grass cover that exists on the grassland. The low severity of the fire resulted in low mortality of the native bunch grasses and it is believed that the grasses will sprout and re-grow in the spring.
 - Wychus Creek has an experimental population of Steelhead Trout and a population of Threatened Bull Trout in the area. Due to the low soil burn severity of the fire near Wychus Creek as well as relatively short slopes, there are no anticipated effects to these populations or their habitats.
- Human Life and Safety – There are no designated trails within or immediately adjacent to the fire. There are several locations where the public disperse camp, one popular location at

the Whychus Creek Ford. Some hazard trees were mitigated through suppression related activities and no unacceptable threats to human life are posed by post-fire conditions.

B. Emergency Treatment Objectives (narrative): No treatments identified.

C. Probability of Completing Treatment Prior to Damaging Storm or Event: N/A

Land Channel Roads/Trails Protection/Safety

D. Probability of Treatment Success; N/A

	Years after Treatment		
	1	3	5
Land			
Channel			
Roads/Trails			
Protection/Safety			

E. Cost of No-Action (Including Loss): 0

F. Cost of Selected Alternative (Including Loss): N/A

G. Skills Represented on Burned-Area Survey Team:

<input checked="" type="checkbox"/> Hydrology	<input checked="" type="checkbox"/> Soils	<input type="checkbox"/> Geology	<input type="checkbox"/> Range
<input type="checkbox"/> Forestry	<input type="checkbox"/> Wildlife	<input type="checkbox"/> Fire Mgmt.	<input type="checkbox"/> Engineering
<input type="checkbox"/> Contracting	<input type="checkbox"/> Ecology	<input checked="" type="checkbox"/> Botany	<input checked="" type="checkbox"/> Archaeology
<input checked="" type="checkbox"/> Fisheries	<input type="checkbox"/> Research	<input type="checkbox"/> Landscape Arch	<input type="checkbox"/> GIS

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H. Treatment Narrative:

(Describe the emergency treatments, where and how they will be applied, and what they are intended to do. This information helps to determine qualifying treatments for the appropriate funding authorities. For seeding treatments, include species, application rates and species selection rationale.)

No Treatments recommended

Part VI –Emergency Stabilization Treatments and Source of Funds

			NFS Lands			Other Lands				All
		Unit	# of		Other	# of	Fed	# of	Non Fe	Total
Line Items	Units	Cost	Units	BAER \$	\$	units	\$	Units	\$	\$
A. Land Treatments										
				\$0	\$0		\$0		\$0	\$0
				\$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
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Channel Treat.</i>				\$0	\$0		\$0		\$0	\$0
C. Road and Trails										
				\$0	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
				\$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 & Trails</i>				\$0	\$0		\$0		\$0	\$0
D. Protection/Safety										
				\$0	\$0		\$0		\$0	\$0
				\$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 Structures</i>				\$0	\$0		\$0		\$0	\$0
E. BAER Evaluation				\$1,000						
							\$0		\$0	\$0
<i>Insert new items above this line!</i>				---	\$0		\$0		\$0	\$0
<i>Subtotal Evaluation</i>				---	\$0		\$0		\$0	\$0
F. Monitoring										
				\$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

PART VII - APPROVALS

1. _____
Forest Supervisor (signature) _____
Date _____
2. _____
Regional Forester (signature) _____
Date _____