

Date of Report: 07/24/2017

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:** Sheep Springs Fire
- B. Fire Number:** OR-DEF-000341
- C. State:** OR
- D. County:** Deschutes
- E. Region:** 6
- F. Forest:** Deschutes
- G. District:** Sisters
- H. Fire Incident Job Code:** P6K3BM17
- I. Date Fire Started:** June 25, 2017
- J. Date Fire Contained:** Not contained
- K. Suppression Cost:** \$1,670,608 (as of 7/05/17)
- L. Fire Suppression Damages Repaired with Suppression Funds**
 - 1. Fireline waterbarred (miles):** <1 mile dozer line, 2 miles hand line
 - 2. Fireline seeded (miles):** None
 - 3. Other (identify):** Safety zones, staging areas, and drop points are in the process of being rehabilitated. Road drainage installed where suppression activities warranted doing so.

M. Watershed Numbers: 10th field Upper Metolius River,
12th field Canyon Creek 170703010907

N. Total Acres Burned:

[740] NFS Acres [0] Other Federal [0] State [0] Private

O. Vegetation Types: Approximately 500 acres Ponderosa pine bitterbrush, Approximately 240 acres Riparian vegetation (birch, sedge, serviceberry, pearhip rose)

P. Dominant Soils: Soils derived from volcanic ash (Andisols), Smiling soil series

Q. Geologic Types: Lower slopes on east side of Cascade Range, glacial outwash with volcanic ash cap

R. Miles of Stream Channels by Order or Class: Approximately 2 miles of Order 1, Class 1 (fish bearing)

S. Transportation System Fire located east of the town of Sister and south of Hwy 20, access by Forest Service 12 road which borders fire on the east.

Trails: 0 miles **Roads:** Approximately 1 mile of open road through the fire (FS road number 1200550).

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.

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 Applicable

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):

What follows 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 adjacent and interior roads. There are no threats to these assets due to low gradient slopes, low burn severities, and small contributing drainage areas that were burned.
- T&E species – Bull Trout Critical Habitat - The Sheep Springs fire was located on an unnamed perennial spring fed stream which is a tributary to Brush Creek. This stream contains rearing habitat for bull trout and possibly redband trout. Bull trout juveniles were documented in the stream from snorkel surveys in 1995. Bull trout are a federally threatened species and redband trout are on the Regional Foresters sensitive species list. There are no threats to these species or habitat due to low gradient slopes, low burn severities and small contributing drainage areas that were burned.
- Naturalized Vegetative Communities – Adjacent weed populations within and adjacent to the fire threaten native plant communities. Weeds present include a large knapweed population. There are no large contiguous areas of moderate/high burn severity adjacent to existing weed populations to justify treatment.
- Natural and Cultural Resources – Historic sites present along Brush Cr, but low fire severity is not expected to result in erosion or mobilization of artifacts. Looting is not anticipated either.
- Human Life and Safety – There are no designated trail heads or camp sites within or immediately adjacent to the fire. Hazard trees have been identified and mitigated through suppression related activities. No unacceptable threats to human life posed by post-fire conditions were identified.

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

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

Land Channel Roads/Trails Protection/Safety

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
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"/> 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 _____