

Date of Report: 9/1/2022**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: Windigo Fire****B. Fire Number: OR-UPF-000234****C. State: Oregon****D. County: Douglas****E. Region: R6****F. Forest: Umpqua****G. District: Diamond Lake****H. Fire Incident Job Code: P6PX45 0615****I. Date Fire Started: 7/30/2022****J. Date Fire Contained: 99% contained as of 9/1/2022****K. Suppression Cost:****L. Fire Suppression Damages Repaired with Suppression Funds (estimates):**

1. Fireline repaired (miles): 8.6 miles dozer line 3.7 miles hand line
2. Other (identify):

M. Watershed Numbers:*Table 1: Acres Burned by Watershed*

HUC #	Watershed Name	Total Acres	Acres Burned	% of Watershed Burned
171003010202	Bradley Creek	11,6321	1,007	8.7%

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

OWNERSHIP	ACRES
NFS	1,007
OTHER FEDERAL (LIST AGENCY AND ACRES)	0
STATE	0
PRIVATE	0
TOTAL	1,007

O. Vegetation Types: Fuels range from open hemlock stands in upper elevations to mixed conifer stands with brush, understory and slash. Timber reproduction stands are scattered throughout the general area, as are previous fire scars.

P. Dominant Soils: Deep to very deep sandy pumice

Q. Geologic Types: Basaltic andesite and Mazama pumice deposits

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	0.1
INTERMITTENT	
EPHEMERAL	3.0
OTHER (DEFINE)	

S. Transportation System:

Trails: National Forest (miles): 1.49

Roads: National Forest (miles): 1.17

PART III - WATERSHED CONDITION

A. Burn Severity (acres):

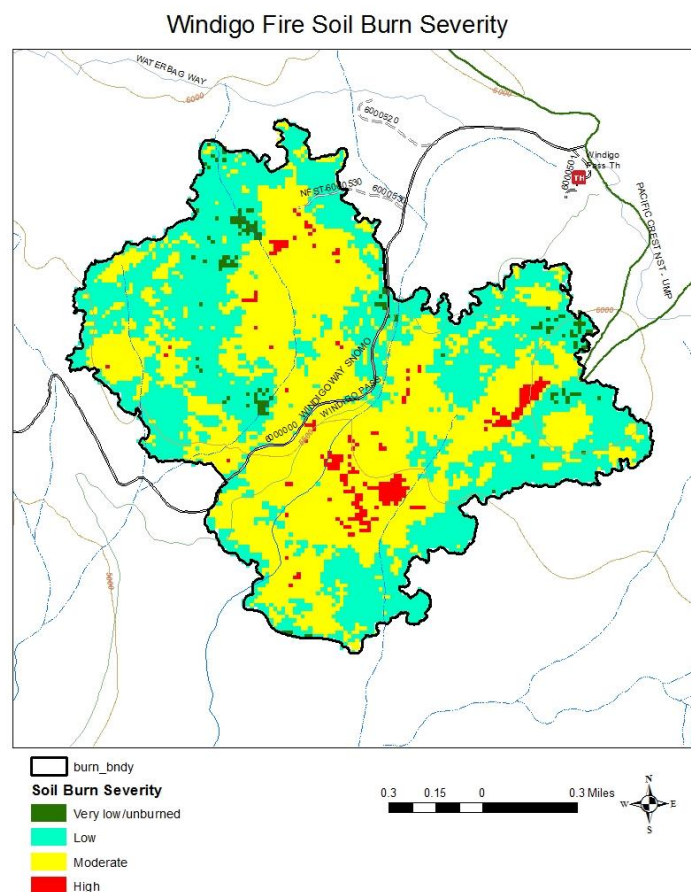


Table 4: Burn Severity Acres by Ownership

Soil Burn Severity	NFS	% within the Fire Perimeter
Unburned	15	2%
Low	466	46%
Moderate	502	50%
High	24	2%
Total	1,007	100%

B. Water-Repellent Soil (acres): 100

C. Soil Erosion Hazard Rating: NA

D. Erosion Potential: NA

E. Sediment Potential: NA

F. Estimated Vegetative Recovery Period (years): 3-5 years

G. Estimated Hydrologic Response (brief description): Only one short perennial stream in fire area. Stream goes subsurface outside fire area. Gentle slopes and will result in low erosion rates and be unlikely to cause changes to hydrologic function

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
	RISK		
Very Likely	Very High	Very High	Low
Likely	Very High	High	Low
Possible	High	Intermediate	Low
Unlikely	Intermediate	Low	Very Low

Value	Life/ Property/ Resources	Critical Value	Threat to Value	Probability of Damage or Loss	Rationale for Probability	Magnitude of Consequence	Rationale for Magnitude	Risk	Treatment Options Considered	Recommended Treatment
BAER critical value	Natural Resources	Prevention of noxious weeds in intact plant communities	Native Plants- Invasive plant colonization of areas disturbed by suppression	Very Likely	Clearing fire lines exposed mineral soil creating ideal conditions for new populations of weeds. Suppression and repair equipment likely also vectored seeds.	Moderate	Very high because the area is currently weed free. Native plant communities and ecosystem functions are very difficult to restore once noxious weeds are established.	Very High	P1b. Invasives EDRR - Suppression	P1b. Invasives EDRR - Suppression
BAER critical value	Natural Resources	T&E Habitat	No Critical Habitat for T&E species within the Windigo Fire	Unlikely		Moderate		Low	No treatment	No treatment
BAER critical value	Natural Resources	Soil Productivity	Loss of long- term soil productivity	Possible	Only 2% high soil burn severity and gentle slopes will likely result in low erosion concern	Minor	soil loss tolerance, reveg recovery rates	Low	No treatment	No treatment
BAER critical value	Natural Resources	Hydrologic Function	Altered hydrologic function	Possible	Only one short perennial stream in fire area. Stream goes subsurface outside fire area. Gentle slopes and will result in low erosion rates and be unlikely to cause changes to hydrologic function	Minor	Only one short perennial stream in fire	Low	No treatment	No Treatment
BAER critical value	Property - Roads	FS Road 60 and 60-530 spur	Increased flow causing road prism and drainage structure failures	Unlikely	Low probability for road failure due to gentle slopes and good drainage	Minor	Any damage would be minor and easy to fix on these roads	Very Low	No Treatment	No Treatment
BAER critical value	Life and Safety	FS Road 60 and 60-530 spur	Danger trees within striking distance.	Unlikely	Danger Trees cut during suppression. Other hazards like rock fall and debris flow not a concern	Moderate	Danger Trees cut during suppression. Other hazards like rock fall and debris flow not a concern	Intermediate	No Treatment	No Treatment

BAER critical value	Property - Trails	Windigo Pass Trail	Increased flow causing road prism and drainage structure failures	Unlikely	Low probability for trail failure due to gentle slopes and good drainage	Minor	Any damage would be minor and easy to fix	Low	No Treatment	No Treatment
BAER critical value	Life and Safety	Windigo Pass Trail	Hazard trees within striking distance.	Unlikely	Many fire killed trees along trail	Major	Fire killed tree could strike a hiker moving through the fire area	Intermediate	S1b. Post warning signs on trail	S1b. Post warning signs on trail
BAER critical value	Cultural Resources	Recorded sites within fire boundary	looting and erosion	Unlikely	1 recorded site, a cabin that was not burned and not at risk post-fire. 3 mapped isolates also not a concern post-fire	Moderate	Site unlikely eligible for national register of historic places	Low	No treatment	No treatment

B. Emergency Treatment Objectives: Prevent new infestations of invasive weeds and protect safety of trail users

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

Land: 90%

Channel: NA

Roads/Trails: NA

Protection/Safety: 100%

D. Probability of Treatment Success

Table 6: Probability of Treatment Success

	1 year after treatment	3 years after treatment	5 years after treatment
Land	90%	80%	80%
Channel	NA	NA	NA
Roads/Trails	NA	NA	NA
Protection/Safety	100%	100%	100%

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: Joe Blanchard

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Forest BAER Coordinator: Joe Blanchard

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Team Members: Table 7: BAER Team Members by Skill

Skill	Team Member Name
Team Lead(s)	Joe Blanchard
Soils	Joe Blanchard
Hydrology	Kacey Largent (consulted)
Engineering	
GIS	
Archaeology	Molly Kirkpatrick (consulted)
Weeds	Crystal Shepard (consulted)
Recreation	Janie Pardo (consulted)
Other	

H. Treatment Narrative:

Land Treatments:

1. **P1b. Suppression Impacts to BAER:** Approximately 52 acres of dozer line, push-outs, and staging areas were cleared to bare mineral soil during suppression activities on the Windigo Fire. EDRR is recommended in spring and fall of 2023 to treat invasive plant populations vectored by suppression activities and dispersing onto disturbed ground.

<i>Suppression EDRR</i>					
Disturbance	Buffer (ft)	Acres	Cost per acre	Cost per treatment	Notes
Push-outs, staging areas, camps, and helispots	0	20	\$150	\$3,000	Areas with soil disturbed and weeds vectored by equipment
Dozer lines	0	32	\$150	\$4,800	Average dozer line width 30 ft, based on field observations
Total		52		\$7,800	

Channel Treatments: None

Roads and Trail Treatments: None

Protection/Safety Treatments:

1. S1b. Warning Signs for Trails
 - Signs warning the public of hazards should be applied at all entry points to the trail (2 trailheads).

Signs to notify and warn the public of the hazards				
Facility/Trail Name	Trail Number	Number of signs	Cost per sign including post, sign, hardware	Total
Windigo Trail	1412	2- at trailheads	\$250	\$500
Total				\$500

I. Monitoring Narrative: NA

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										
Suppression EDRR	acres	150	52	\$7,800	\$0		\$0		\$0	\$7,800
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Land Treatments</i>				\$7,800	\$0		\$0		\$0	\$7,800
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										
Burn Area Warning Signs	each	250	2	\$500	\$0		\$0		\$0	\$500
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Protection/Safety</i>				\$500	\$0		\$0		\$0	\$500
E. BAER Evaluation										
Initial Assessment	Report			---	\$1,000		\$0		\$0	\$1,000
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				---	\$0		\$0		\$0	\$0
<i>Subtotal Evaluation</i>				\$0	\$1,000		\$0		\$0	\$1,000
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				\$8,300	\$1,000		\$0		\$0	\$9,300
Previously approved										
Total for this request				\$8,300						

PART VII - APPROVALS**JACOB WINN**Digitally signed by JACOB WINN
Date: 2022.09.09 08:12:24 -07'00'

1.

Forest Supervisor

Date