



**United States
Department of
Agriculture**

**Forest
Service**

**Intermountain
Region**

**324 25th Street
Ogden, UT 84401-2310**

File Code: 2520-3

Date:

Route To:

Subject: Blind Trail Complex Initial Burned Area Emergency Rehabilitation (BAER)
Request

To: Forest Supervisor, Bridger-Teton NF

The enclosed initial request for BAER funds for the Blind Trail Fire is approved. Charge these activities to job code P49098.

You must keep track of all funds by treatment, or project type, and fiscal year. A report must be sent at the end of the fiscal year to the RO showing the expenditures for each fire. A final 2500-8 report must be submitted to the RO when projects and treatments have been completed and reviewed.

Please contact Jeff Bruggink, Regional BAER Coordinator at (801) 625-5357 if you have questions or concerns.

JACK A. BLACKWELL
Regional Forester

Enclosure

Cc:
Bridger-Teton NF (Michael Schrotz, Randy Davis)
BPR (Jeff Bruggink, Ken Heffner, Bill Burbridge)
FR (Mike Clontz)



USDA-FOREST
FS-2500-8 (7/00)

SERVICE

Date of

Report: 10/6/00

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

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

B. Type of Action

- ☐ 1. Initial Request (Best estimate of funds needed to complete eligible rehabilitation 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: Blind Trail Complex

B. Fire Number: WY-BTF-050

C. State: WY
Trail

D. County: Teton (Boulder)/Lincoln(Blind

E. Region: 4

F. Forest: Bridger-Teton

G. District(s): Jackson/Greys River

H. Date Fire Started: 7/30/00 Boulder Fire -
8/12/00 (Blind Trail Fire)
Complex Iestablished - 8/20/00

I. Date Fire Controlled: To be determined

J. Suppression Cost: \$2,440,000 (8/27/00)

K. Fire Suppression Damages Repaired with Suppression Funds

- 1. Fireline waterbarred (miles);
- 2. Fireline seeded (miles);
- 3. Other (identify);

L. Watershed Number: 170401030502 (Boulder Fire) 170401031104 and 170401031305 (Blind Trail Fire)

M. Total Acres Burned: 4,209 (Boulder) 9,831 (Blind Trail)
NFS Acres(14,040) Other Federal () State () Private ()

N. Vegetation Types: Mixed conifer, aspen/shrub, sagebrush/grass, willow/sedge

O. Dominant Soils: (Boulder Fire) Fine-loamy, Argic Cryoborolls; Fine-loamy, Typic Cryoborolls; Loamy-skeletal, Typic Cryochrepts - (Blind Fire) Loamy-skeletal, Argic Cryoborolls; Fine-loamy, Mollic Cryoborolls; Fine, smectitic, Argic Cryoborolls

P. Geologic Types: Boulder Fire – Colluvium and residuum derived from sandstone, shale, and conglomerate. Blind Fire – Colluvium and residuum derived from limestone, sandstone, siltstone and shale.

Q. Miles of Stream Channels by Order or Class: Boulder Fire – 2nd Order: 8 miles, 3rd Order: 7 Miles.
Blind Fire – 2nd Order: 27 Miles, 3rd Order: 18 Miles.

R. Transportation System

Trails: Boulder Fire: 22 miles Roads: 0 miles

Trails: Blind Trail Fire: 20 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 8,424 (low) 3,510 (moderate) 2,106 (high)

B. Water-Repellent Soil (acres): 2,106

C. Soil Erosion Hazard Rating (acres):
____ (low) 8,424 (moderate) 5,616 (high)

D. Erosion Potential: 40 - 50 tons/acre¹

E. Sediment Potential: 17,245 – 21,555 cubic yards / square mile²

PART IV - HYDROLOGIC DESIGN FACTORS

¹ National Soil Survey Handbook, 1996, 430-IV_NSSH, page 618-95.

² The Natural and Properties of Soil, 1990, page 106.

- A. Estimated Vegetative Recovery Period, (years): 3-5
- B. Design Chance of Success, (percent): NA
- C. Equivalent Design Recurrence Interval, (years): NA
- D. Design Storm Duration, (hours): NA
- E. Design Storm Magnitude, (inches): NA
- F. Design Flow, (cubic feet / second/ square mile): NA
- G. Estimated Reduction in Infiltration, (percent): NA
- H. Adjusted Design Flow, (cfs per square mile): NA

PART V - SUMMARY OF ANALYSIS

A. Describe Watershed Emergency:

Overall, the fire burned in a mosaic pattern leaving areas of lightly and unburned vegetation. However there are areas within the fire perimeter, where the fire concentrated in the head waters of several perennial streams. Soils in the burned area have silty and clayey surface textures that once disturbed yield high amounts of suspended sediment. Little Greys River, South Fork of Little Greys River, East Fork of Little Greys River, Telephone Hollow Creek, Little Granite Creek, and Boulder Creek are fish bearing and provide habitat for the Snake River Spotted Cutthroat Trout which is currently petitioned for federal listing with the US Fish and Wildlife Service. An extensive trail system exists within the fire perimeter and has had wooden waterbars damaged and/or destroyed. Sections of the trail system lie in close proximity to stream courses and pose a significant threat to their water quality, streambank stability, and associated riparian areas. Due to the additional surface water, supplemental waterbars and check dams will be needed to reduce sediment entering nearby streams and ponds. Hazard trees are also present in the vicinity of the damaged trail system which pose a safety risk to trail users.

B. Emergency Treatment Objectives:

- 1.) Prevent loss of life.
- 2.) Minimize erosion and sedimentation of nearby watercourses.

C. Probability of Completing Treatment Prior to First Major Damage-Producing Storm:

Land ___ % Channel ___ % Roads 80 % Other ___ %

D. Probability of Treatment Success

Years after Treatment			
	1	3	5
Land			
Channel			
Roads			
Trails	95	100	100
Other			

E. Cost of No-Action (Including Loss):_ \$535,000

F. Cost of Selected Alternative (Including Loss):_ \$225,750

G. Skills Represented on Burned-Area Survey Team:

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

Team Leader: Randy L. Davis

Email: rdavis03@fs.fed.us
307-739-5521

Phone: 307-739-55321

FAX:

H. Treatment Narrative:

Land Treatments: None planned at this time.

Channel Treatments: None planned at this time.

Roads and Trail Treatments:

Trails:

The loss of waterbars combined with the burned overstory vegetation is expected to cause accelerated erosion of the trail tread and generate large volumes of sediment. This is serious concern given the silty and clayey surface soils and the proximity of water courses. The estimated trail distance of these contributing zones is less than 100 feet on either side of the stream course along with minor stream crossings. Approximately 18 miles of trail are directly related to the watershed emergency. Additional waterbars are needed in these contributing trail segments to avoid detrimental impact to the stream's aquatic habitat. Especially for those streams supporting Snake River spotted cutthroat trout which is currently a petitioned fish species. Reduction of trail related sediment will enhance spawning habitat and streambank stability and protect riparian vegetation. An inventory for waterbar needs has been conducted and specific needs of each trail segment are listed below.

Trails

ID Number	Location/facility	Description of needs	Cost estimate
3075	Telephone Pass Trail	Install 45 waterbars	\$6,750
3076	Deadman Mtn Trail	Install 30 waterbars	\$4,500
3092	Little Greys R. Trail	Install 38 waterbars	\$5,700
3019	Granite Highline Trail	Install 20 waterbars	\$3,000
3022	Little Granite Trail	Install 50 waterbars	\$7,500
30510	Boulder Creek Trail	Install 30 waterbars	\$4,500
30503	Rough Hollow Trail	Install 30 waterbars	\$4,500
Subtotal			\$36,450

Hazard Tree Removal

ID Number	Location/facility	Description of needs	Cost estimate
3075H	Telephone Pass Trail	Clear 43 hazard trees	\$1,075
3076H	Deadman Mtn Trail	Clear 35 hazard trees	\$ 875
3092H	Little Greys R. Trail	Clear 21 hazard trees	\$ 525
3019H	Granite Highline Tr	Clear 36 hazard trees	\$ 900
3022H	Little Granite Trail	Clear 27 hazard trees	\$ 675
30510H	Boulder Creek Trail	Clear 46 hazard trees	\$1,150
30503H	Rough Hollow Trail	Clear 29 hazard trees	\$ 725
Subtotal			\$5,925

Structures:

ID Number	Location/facility	Description of needs	Cost estimate
AF1	Little Granite Cattle Allotment Temporary Fence	Construct 1 mile of temporary fence to manage livestock out of burned area.	\$5,000
Subtotal			\$5,000

H. Monitoring Narrative:

Noxious weeds have been documented within the burned area and will be monitored to determine if treatment is needed.

Noxious Weed Monitoring

ID Number	Location/facility	Description of needs	Cost estimate
M	Weed Monitoring	Monitor disturbed areas within burned areas for weed infestation.	\$3,000
Subtotal			\$3,000

Part VI – Emergency Rehabilitation Treatments and Source of Funds by Land Ownership

			NFS Lands				Other Lands			All
		Unit	# of	WFSU	Other		Fed	# of	Non Fed	Total
Line Items	Units	Cost	Units	SULT \$	\$		\$	Units	\$	\$
A. Land Treatments										
<i>Subtotal Land Treatments</i>				\$0			\$0		\$0	\$0
B. Channel Treatments										
<i>Subtotal Channel Treat.</i>				\$0			\$0		\$0	\$0
C. Road and Trails										
Telephone Pass Tr Watrbrs	Each	150	45	\$6,750			\$0		\$0	\$6,750
Telephone Pass Tr Hzrd Tree	Each	25	110	\$2,750			\$0		\$0	\$2,750
Deadman Mtn Tr Wrbrs	Each	150	30	\$4,500			\$0		\$0	\$4,500
Deadman Mtn Tr Hzrd Trees	Each	25	220	\$5,500			\$0		\$0	\$5,500
Little Greys R. Tr Wtrbrs	Each	150	38	\$5,700			\$0		\$0	\$5,700
Little Greys R. Tr Hzrd Trees	Each	25	45	\$1,125			\$0		\$0	\$1,125
Granite Highline Tr Wtrbrs	Each	150	20	\$3,000			\$0		\$0	\$3,000
Granite Highline Tr Hzrd Tree	Each	25	36	\$900			\$0		\$0	\$900
Little Granite Trail Wtrbrs	Each	150	50	\$7,500			\$0		\$0	\$7,500
Little Granite Trail Hzrd Tree	Each	25	27	\$675			\$0		\$0	\$675
Boulder Cr Trail Wtrbrs	Each	150	30	\$4,500			\$0		\$0	\$4,500
Boulder Cr Trail Hzrd Tree	Each	25	46	\$1,150			\$0		\$0	\$1,150
Rough Hollow Trail Wtrbrs	Each	150	30	\$4,500			\$0		\$0	\$4,500
Rough Hollow Trail Hzrd Tree	Each	25	29	\$725			\$0		\$0	\$725
<i>Subtotal Road & Trails</i>				\$49,275			\$0		\$0	\$49,275
D. Structures										
L. Greys Allotment Fence	Miles	5,000	1	\$5,000			\$0		\$0	\$5,000
<i>Subtotal Structures</i>				\$5,000			\$0		\$0	\$5,000
E. BAER Evaluation										
Davis Salary	Day	289	5	\$1,445			\$0		\$0	\$1,445
Marsh Salary	Day	288	3	\$864			\$0		\$0	\$864
B.Smith Salary	Day	254	5	\$1,270						\$1,270
Schoen Salary	Day	250	3	\$750						\$750
Merigliano Salary	Day	217	5	\$1,085						\$1,085
W.Smith Salary	Day	130	3	\$390						\$390
<i>Subtotal Structures</i>				\$5,804			\$0		\$0	\$5,804
G. Monitoring Cost										
Noxious Weeds	Days	150	20	\$3,000			\$0		\$0	\$3,000
H. Totals				\$63,079			\$0		\$0	\$63,079

PART VII - APPROVALS

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|----|-------------------------------|----------|
| 1. | _/_s/Michael Schrotz_____ | 10/06/00 |
| | Forest Supervisor (signature) | Date |
| | | |
| 2. | _____ | _____ |
| | Regional Forester (signature) | Date |