8-29-2007:

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
[**X**] 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: Granite

B. Fire Number: WY-BTF-0018

C. State: Wyoming

D. County: Teton

E. Region: 4-Intermountain Region

F. Forest: Bridger Teton Nataional Forest

G. District: Jackson Ranger District

H. Fire Incident Job Code: P4DSR1

I. Date Fire Started: 7-19-2007

J. Date Fire Contained: 8-31-2007(est) fire won't be contained for a while

K. Suppression Cost: $250,000

L. Fire Suppression Damages Repaired with Suppression Funds

1. Fireline waterbarred and ripped (miles): 0.0 miles
2. Fireline seeded (miles): NONE
3. Other (identify):

M. Watershed Number:
17040103 – Lower Hoback River

N. Total Acres Burned: 1742 .
NFS Acres (1,742) Other Federal (0) State (0) Private (0)

O. Dominant Vegetation Types within the fire perimeter: (source:

Lodgepole pine, spruce-fir, mixed sagebrush and grass. Fuel model 10.

P. Dominant Soils within the fire perimeter: (source: Soil Survey, Teton National Forest, 1985):
Lithic Cryorthents and Rock Outcrop

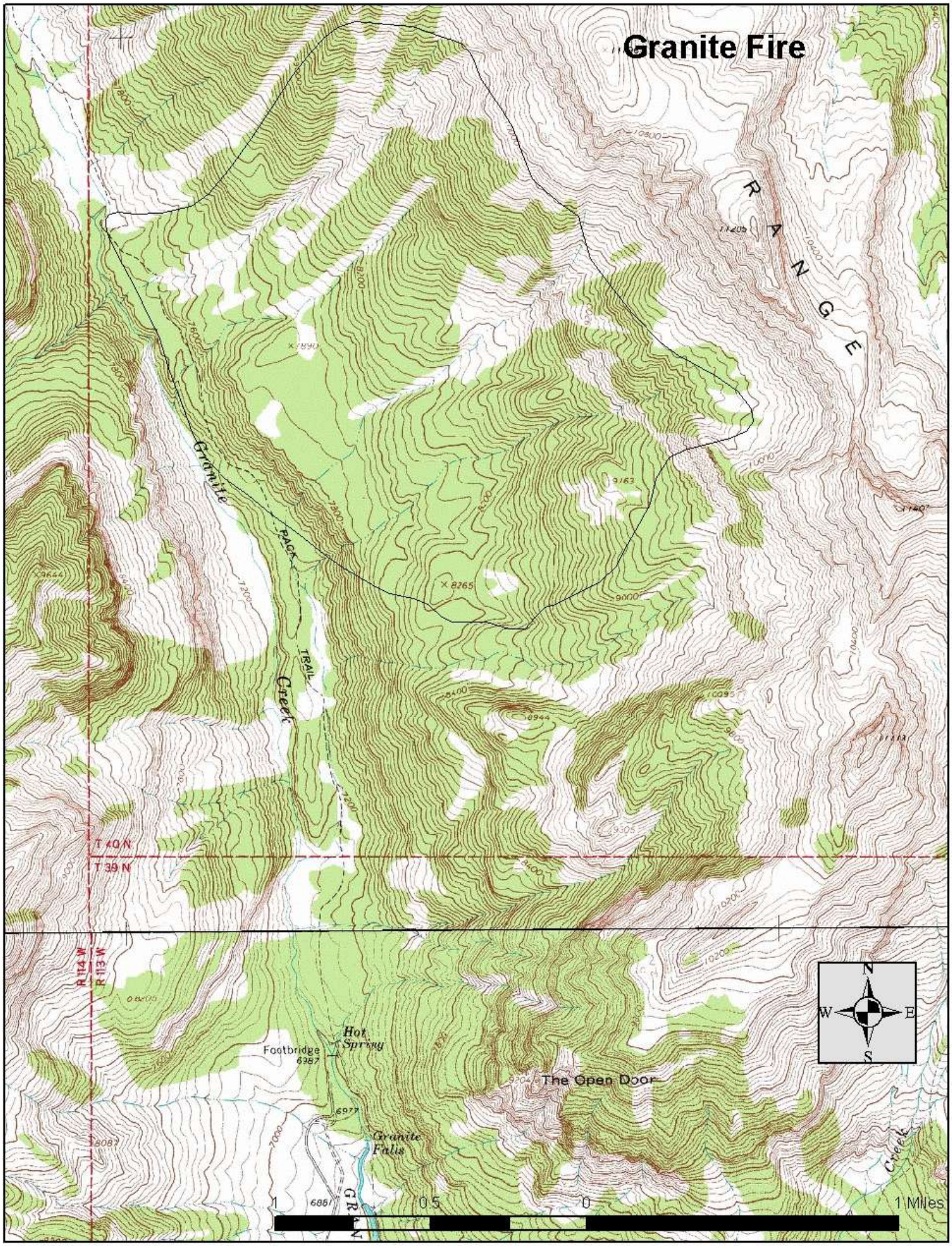
Q. Major Geologic Types by map unit within the fire perimeter:
Limestone, Granite, colluvium and alluvium.

R. Miles of Stream Channels by Order or Class:
Intermittent stream miles – 4.9 Perennial stream miles – 1.0 (Granite Creek)

S. Transportation System

Trails:1.0 miles Roads:0 miles

View of Granite Fire looking to north.


Granite Fire
RANGE
Granite
PASS
TRAIL
Creek
T 40 N
T 39 N
R 114 W
R 113 W
Hot
Spring
Footbridge
6987
The Open Door
Granite
Falls
6977
6861
N
W
E
S
1
0.5
0
1 Miles

PART III - WATERSHED CONDITION

A. *Burn Severity (acres): 750 (unburned) 492 (low) 500 (moderate) 35 (high)
*(visual estimates)

B. Water-Repellent Soil (acres):

National Forest	Private land
35 (1%)	0

C. Soil Erosion Hazard Rating (acres):

	Ownership Acres	
Soil Erosion Hazard Rating	National Forest	Private land
Low	0 (0%)	0
Moderate	784(45%)	0
High	958 (55%)	0

Source: Soil Survey of Bridger National Forest, Western Part, 1993

D. Erosion Potential: 0.65 tons/acre (disturbed WEPP 30 year return period)

E. Sediment Potential 0.65 tons / acre (disturbed WEPP 30 year return period)

PART IV - HYDROLOGIC DESIGN FACTORS

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

B. Design Chance of Success, (percent): 80-90%

C. Equivalent Design Recurrence Interval, (years): 25 year

D. Design Storm Duration, (hours): 1.0 hrs

E. Design Storm Magnitude, (inches): 0.58 Inches

F. Design Flow, (cubic feet / second/ square mile): 31 csm

G. Estimated Reduction in Infiltration, (percent): 33%

H. Adjusted Design Flow, (cfs per square mile): 40csm

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

The Granite Creek fire started on July 19, 2007 burning 1,742 acres on the Jackson District of the Bridger-Teton National Forest. The fire is estimated to be contained by August 31, 2007 and is currently in a monitoring status. The burn itself is located 15 miles southeast of Jackson, Wyoming in Teton County in the **Gros Ventre Wilderness area**. The fire is located about half a mile north of the Granite Hot Springs and is located in fairly inaccessible and remote terrain.

The BAER team made an aerial reconnaissance of the Granite fire on August 22, 2007. Initial concerns of the BAER team included:

1. Water quality and aquatic habitat integrity and potential impacts from excessive soil erosion and debris movement.

2. Loss of soil and soil productivity through erosion of steeper slopes in areas of moderate and high burn severity.
3. Downstream road drainage structures in or near the fire might be undersized for increases in runoff and debris as a result of the fire.
4. Noxious weeds are known to spread rapidly following fire and may threaten the continuity and health of native plant communities within the burned area and other areas impacted by suppression activities.

Water Quality:

Granite Creek and the four unknown intermittent tributaries to Granite Creek are the primary drainages in the burn area. Water quality will be reduced due to the burn; this may include increases in organic carbons, ash, and sediment. These increases will likely be measurable within Granite Creek and the streams that are flowing at this time (no real measurable flow was observed at time of field visit within the intermittent drainages).

This burn is located entirely in a wilderness area and is fairly inaccessible due to the steep terrain that it is located in. There are not any structures directly below the burn and while there is the hot spring located downstream there are not any immediate potential resource concerns for the structure. The hot springs may see a higher amount of sediment than normal flow through it but at the time of the field visit Granite Creek was running clear.

Soil Productivity:

Soils in the fire perimeter were not tested for hydrophobic conditions. Due to the mosaic nature of this fire and the relatively large percentage of unburned and low burn severity observed within the fire perimeter, no emergency treatments are recommended.

Transportation Infrastructure:

No effects to the road to Granite Hot Springs are expected. No negative effects to the trail are expected.

Noxious Weeds:

No treatment recommended.

B. Emergency Treatment Objectives:

None.

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): $0

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

[**X**] Hydrology	[**X**] Soils	[ ] Geology	[ ] Range & Weeds	[ ]
[ ] Forestry	[ ] Wildlife	[ ] Fire Mgmt.	[ ] Engineering	[**X**] Recreation
[ ] Contracting	[ ] Ecology	[ ] Botany	[ ] Archaeology	[ ]
[ ] Fisheries	[ ] Research	[ ] Landscape Arch	[**X**] GIS	

Team Leader: Eric Winthers, Soil and Water Program Manager, BTNF

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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.)

Land Treatments:

No land treatments recommended

Channel Treatments:

No Channel Treatments Recommended

Roads and Trail Treatments:

No treatments recommended.

Protection/Safety Treatments:

No treatments recommended

I. **Monitoring Narrative:**

(Describe the monitoring needs, what treatments will be monitored, how they will be monitored, and when monitoring will occur. A detailed monitoring plan must be submitted as a separate document to the Regional BAER coordinator.)

No monitoring recommended

Part VI – Emergency Stabilization Treatments and Source of Funds **Interim #**

Line Items	Units	Unit Cost	# of Units	BAER $	Other $	# of units	Fed $	# of Units	Non Fed $	Total $
A. Land Treatments										
Noxious Weed Monitor/Treat	Days	0	0	$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Land Treatments				$0	$0		$0		$0	$0
B. Channel Treatments										
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Channel Treat.				$0	$0		$0		$0	$0
C. Road and Trails										
drainage structures	Each	0	15	$0	$0					$0
				$0	$0					$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Road & Trails				$0	$0		$0		$0	$0
D. Protection/Safety										
Hazard Tree Removal				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Structures				$0	$0		$0		$0	$0
E. BAER Evaluation										
				---	$1,500		$0		$0	$1,500
Insert new items above this line!				---	$0		$0		$0	$0
Subtotal Evaluation				---	$1,500		$0		$0	$1,500
F. Monitoring										
Effectiveness Monitoring	Days	0	0	$0	$0		$0		$0	$0
Noxious Weed Monitor/Treat	Days	0	0	$0	$0		$0		$0	$0
				$0	$0		$0		$0	
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Monitoring				$0	$0		$0		$0	$0
G. Totals				$0	$1,500		**$0**		**$0**	**$1,500**
Previously approved										
Total for this request				**$0**						

PART VII - APPROVALS

1. /s/ Kniffy Hamilton 9/18/07
Kniffy Hamilton Date
Forest Supervisor (signature)

2. _____ _____
JacK Troyer Date
Regional Forester (signature)