

Date of Report: July 11, 2008

**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**

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

**PART II - BURNED-AREA DESCRIPTION**A. Fire Name: North MountainB. Fire Number: CA-STF-001063C. State: CaliforniaD. County: TuolumneE. Region: 05F. Forest: StanislausG. District: GrovelandH. Fire Incident Job Code: P5DZ9K-0516I. Date Fire Started: June 21, 2008J. Date Fire Contained: July 3, 2008K. Suppression Cost: Estimated suppression cost on July, 7, 2008 were \$6,250,000.

L. Fire Suppression Damages Repaired with Suppression Funds

1. Fireline waterbarred (miles): 3.25
2. Fireline seeded (miles): None
3. Other (identify): None

M. Watershed Number: HUC 7 Watersheds – Plum Flat-Lower Cherry Creek (18040009030704) and Poopeneaut Valley West-Tuolumne River (18040009070102).N. Total Acres Burned: 2,823 (derived from the RSAC perimeter)  
NFS Acres(2,079 ac) Other Federal (YNP 744 ac) State ( ) Private ( )

O. Vegetation Types: This fire had a mix of WHR type Montane hardwood-conifer (MHC) and mixed Chaparral (MCH).

P. Dominant Soils: Lithic Haploxerepts; Dystic Lithic Haploxerepts; Fiddletown; Rock Outcrop

Q. Geologic Types: 100 % granitic

R. Miles of Stream Channels by Order or Class:

Streams on Forest Service Lands	
Perennial	3.5 miles
Intermittent	0 miles
Ephemeral	26.5 miles

S. Transportation System

Trails: 2.57 miles Roads: 0 miles

### **PART III - WATERSHED CONDITION**

A. Burn Severity (acres): 1,282 (low) 1,048 (moderate) 130 (high) 363 (unburned)

B. Water-Repellent Soil (acres): Not Surveyed

C. Soil Erosion Hazard Rating (acres): 280 (low) 560 (moderate) 1,960 (high)

D. Erosion Potential: 12 tons/acre

E. Sediment Potential:

FS Lands only -3,062 cubic yards / square mile  
FS/YNP Lands -2,333 cubic yards / square mile

### **PART IV - HYDROLOGIC DESIGN FACTORS**

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

B. Design Chance of Success, (percent): N/A\*

C. Equivalent Design Recurrence Interval, (years): N/A \*

D. Design Storm Duration, (hours): N/A\*

E. Design Storm Magnitude, (inches):

F. Design Flow, (cubic feet / second/ square mile): N/A \*

G. Estimated Reduction in Infiltration, (percent): N/A \*

H. Adjusted Design Flow, (cfs per square mile): N/A \*

\* No hydrologic treatments planned

## **PART V - SUMMARY OF ANALYSIS**

### **A. Describe Critical Values/Resources and Threats:**

The North Mountain Incident was a mixed severity fire of 2,823 acres that burned a steep mountain slope above the Preston Falls Trail. The fire directly above the trail was spotty and primarily low severity. The moderate and high severity areas were located closer to the ridgeline.

Summary of critical values and resources is in the table below.

<b>Value Category</b>	<b>Related Value</b>	<b>Hazard</b>	<b>At Risk</b>	<b>Emergency Yes/No</b>	<b>Recommended Treatments/Notes</b>
Water Quality	Tuolumne River	Increased Sediment	Loss of beneficial uses-domestic water supply for the City and County of San Frisco (CCSF).	No	Water supply is not exposed to surface water in the river.
Special Areas	Tuolumne Wild and Scenic River	Sedimentation	Degradation of fishing and swimming	No	Large flows in the river are capable of transporting expected sediment increase.
Ecosystem Structure and Function	Introduction or spread of invasive weeds	Invasive weeds-yellow starthistle	Species Composition change, loss of native vegetation	No	Very little risk due to minimal mechanical fire suppression activities on the ground.
Life and Property <sup>1</sup>	Preston Falls Trail	Debris flow and rockfall	Injury or death to trail users	Yes	Install administrative closure & signing at trailhead and at fire boundary.

<sup>1</sup> **Threat to life** – Debris flow and rockfall along the Preston Falls Trail (System #19E18) constitutes a threat of injury or death to trail users. The Preston Falls Trail accesses the Tuolumne Wild and Scenic River corridor, fishing and swimming are two recreational activities identified along this trail in the Wild and Scenic River Management Plan. Within the North Mountain fire area, the Preston Falls Trail is subject to Debris flow and rockfall from steep unstable slopes above the trail, which could endanger user safety.

**B. Emergency Treatment Objectives:** To prevent loss of life or injury to users of the Preston Falls trail.

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

Land \_\_ % Channel \_\_ % Roads/Trails \_\_ % Protection/Safety 100 %

### **D. Probability of Treatment Success:**

	Years after Treatment		
	1	3	5
Land	N/A		
Channel	N/A		
Roads/Trails	N/A		
Protection/Safety	100%		

E. Cost of No-Action (Including Loss): Worst case is loss of life.

F. Cost of Selected Alternative (Including Loss): Nominal cost for administrative closure.

F. Skills Represented on Burned-Area Survey Team:

X	Hydrology	X	Soils	X	Geology		Range
	Forestry		Wildlife		Fire Mgmt.		Engineering
	Contracting		Ecology	X	Botany		Archaeology
	Fisheries		Research		Landscape Arch.		GIS

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#### H. **Treatment Narrative:**

Land Treatments: None

Channel Treatments: None

Roads and Trail Treatments: None

Protection/Safety Treatments:

*Preston Fall Trail*

Install two administrative closure signs. The first sign will be installed at the Preston Falls trailhead (System #19E18) and the second sign will be installed along the trail at the west end of the fire boundary (SE ¼ of Sec 6, T1N, R19E), approximately two miles from the trailhead.

The trailhead sign information will include; trail closure order, location of closure (2 miles ahead), closure dates (now until April 2009) and a description of the hazard.

The sign at the western boundary of the fire will have the trail closure order, dates and a description of the hazard.

The cost of the sign production and installation includes supplies and force account labor. The signs will have to be transported and hiked to the installation locations, one of which is two miles from the trailhead. The posts for these signs will be placed into rocky soil, making installation difficult.

I. **Monitoring Narrative**: None

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

Interim #

Line Items	Units	Unit Cost	NFS Lands		Other \$	Other Lands				All Total \$
			# of Units	BAER \$		# of units	Fed \$	# of Units	Non Fed \$	
<b>A. Land Treatments</b>										
				\$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
<b>Subtotal Land Treatments</b>				\$0	\$0		\$0		\$0	\$0
<b>B. Channel Treatments</b>										
				\$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
<b>Subtotal Channel Treat.</b>				\$0	\$0		\$0		\$0	\$0
<b>C. Road and Trails</b>										
				\$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
<b>Subtotal Road &amp; Trails</b>				\$0	\$0		\$0		\$0	\$0
<b>D. Protection/Safety</b>										
Trail Closure Signs	each	1500	2	\$3,000	\$0		\$0		\$0	\$3,000
				\$0	\$0		\$0		\$0	\$0
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<b>Subtotal Structures</b>				\$3,000	\$0		\$0		\$0	\$3,000
<b>E. BAER Evaluation</b>										
				---			\$0		\$0	\$0
<i>Insert new items above this line!</i>				---	\$0		\$0		\$0	\$0
<b>Subtotal Evaluation</b>				\$7,500	\$0		\$0		\$0	\$0
<b>F. Monitoring</b>										
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<b>Subtotal Monitoring</b>				\$0	\$0		\$0		\$0	\$0
<b>G. Totals</b>					\$0		\$0		\$0	\$3,000
Previously approved										
Total for this request				\$10,500						

**PART VII - APPROVALS**

 1. Kathy Hardy  
 Forest Supervisor (signature)

 7/22/08  
 Date

 2. \_\_\_\_\_  
 Regional Forester (signature)

 \_\_\_\_\_  
 Date