

Date of Report: 7/2/2009

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 DESCRIPTIONA. Fire Name: PioneerB. Fire Number: AZ-TNF-000039C. State: AzD. County: GilaE. Region: 3F. Forest: Tonto NFG. District: GlobeH. Fire Incident Job Code: 0312 P3EYA8I. Date Fire Started: 5/30/2009J. Date Fire Contained: 6/30/2009K. Suppression Cost: estimated at \$2.6 million on 6/18/09

L. Fire Suppression Damages Repaired with Suppression Funds

1. Fireline waterbarred (miles): (2 ¾ miles dozer line; 1.2 miles of hand line) total: 4 miles.
2. Fireline seeded (miles): 0.5
3. Other (identify):

M. Watershed Number: 1504000703, 1506010306

N. Total Acres Burned: _____

NFS Acres(1632) Other Federal () State () Private ()

O. Vegetation Types: chaparral, ponderosa pine, mixed coniferP. Dominant Soils: TEUI Map Units: 463, 512, 513; Dominant Soils: Lithic Haplustepts, Typic Haplustalfs, Lithic Haplustalfs, Lithic Haplustolls, Udic Argiustolls.Q. Geologic Types: Pinal schist, granite

R. Miles of Stream Channels by Order or Class:
Perennial -0, Intermittent – 6.4 mi

S. Transportation System

Trails: 4.2 miles Roads: 1.8 miles

PART III - WATERSHED CONDITION

- A. Burn Severity (acres): 943 (low) 610 (moderate) 80 (high)
- B. Water-Repellent Soil (acres): 600
- C. Soil Erosion Hazard Rating (acres):
32 (low) 459 (moderate) 1141 (high)
- D. Erosion Potential: 10 tons/acre
- E. Sediment Potential: 3200 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

- A. Estimated Vegetative Recovery Period, (years): 3-5
- B. Design Chance of Success, (percent): 80
- C. Equivalent Design Recurrence Interval, (years): 25
- D. Design Storm Duration, (hours): 1
- E. Design Storm Magnitude, (inches): 2.19
- F. Design Flow, (cubic feet / second/ square mile): 150
- G. Estimated Reduction in Infiltration, (percent): 35
- H. Adjusted Design Flow, (cfs per square mile): 275

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

2 trails (FT 214 and FT 200) cross through or below the burned area. FT 214 crosses through short areas of high and moderate burn severity on steep slopes. It is likely that parts of this trail will be damaged by monsoon storms this summer. Hazard trees remain along this trail. FT 200 crosses channels that drain from areas of high and moderate burn severity. It is likely that trail damage will occur where these drainages cross the trail. Both trails are popular hiking trails. Warning signs to warn trail users of the hazards associated with these trails are recommended.

Forest Road 112, the Pioneer Pass Road, travels along the toe of the burned area in Pinal Creek and provides access to the Pioneer Pass Campground. Warning signs to advise road and campground users of the hazards associated with the burned area are recommended for the road and campground.

Dozer lines were constructed on the east facing slopes of East Mountain down to State Highway 77. the potential for noxious weeds to become established in these areas exists. Funding for detection and removal of noxious weeds along the 2.75 miles of dozer lines is recommended

B. Emergency Treatment Objectives:

Hazard warning signs along roads and trails and at the Pioneer Pass Campground will warn users of these facilities of the hazards associated with the burned area.

Detection and removal of noxious weeds will prevent establishment of new infestations.

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

Land 75 % Channel % Roads/Trails % Protection/Safety 80 %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land	75		
Channel			
Roads/Trails			
Protection/Safety	100		

E. Cost of No-Action (Including Loss): \$20,000

F. Cost of Selected Alternative (Including Loss): \$10,000

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

Team Leader: Grant Loomis

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Phone: 602 225-5253

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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:

Dozer lines will be inspected the first growing season after the fire (Spring of 2010) to detect whether noxious weeds have been introduced into the burned area and if detected will be removed.

Channel Treatments:

Roads and Trail Treatments:

Protection/Safety Treatments:

Hazard warning signs will be placed at trailheads on Forest Trails 200 and 214 to warn users of the hazards associated with the burned area. Hazard warning signs will be placed on Forest Road 112 at two locations to warn users of the hazards associated with the burned area. A hazard sign will also be placed at the Pioneer Pass Campground to warn campground users of the hazards associated with the burned area.

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.)

Monitoring is not recommended as part of this BAER Plan.

Part VI – Emergency Stabilization Treatments and Source of Funds

Interim #

			NFS Lands				Other Lands			All	
		Unit	# of		Other		# of	Fed	# of	Non Fed	
Line Items	Units	Cost	Units	BAER \$	\$		units	\$	Units	\$	Total \$
A. Land Treatments											
noxious weeds	miles	1091	2.75	\$3,000	\$0			\$0		\$0	\$3,000
				\$0	\$0			\$0		\$0	\$0
				\$0	\$0			\$0		\$0	\$0
Insert new items above this line!				\$0	\$0			\$0		\$0	\$0
Subtotal Land Treatments				\$3,000	\$0			\$0		\$0	\$3,000
B. Channel Treatments											
				\$0	\$0			\$0		\$0	\$0
				\$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											
				\$0	\$0			\$0		\$0	\$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											
warning signs	ea	400	5	\$2,000	\$0			\$0		\$0	\$2,000
				\$0	\$0			\$0		\$0	\$0
				\$0	\$0			\$0		\$0	\$0
Insert new items above this line!				\$0	\$0			\$0		\$0	\$0
Subtotal Structures				\$2,000	\$0			\$0		\$0	\$2,000
E. BAER Evaluation											
	ea	7500	1	---	\$7,500			\$0		\$0	\$7,500
Insert new items above this line!				---	\$0			\$0		\$0	\$0
Subtotal Evaluation				---	\$7,500			\$0		\$0	\$7,500
F. Monitoring											
				\$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				\$5,000	\$7,500			\$0		\$0	\$12,500
Previously approved											
Total for this request				\$5,000							

PART VII - APPROVALS

 1. /s/ Gene Blankenbaker
 Forest Supervisor (signature)

7/2/09
 Date

 2. /s/ Gilbert Zepeda, for Corbin Newman
 Regional Forester (signature)

7/21/09
 Date