

Date of Report: July 9, 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

- ☒ 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: Distillery B. Fire Number: AZ-CNF-000047
C. State: Arizona D. County: Pima
E. Region: 3 F. Forest: Coronado
G. District: Santa Catalina H. Fire Incident Job Code: P3D8JR
I. Date Fire Started: 6/21/2008 J. Date Fire Contained: 7/7/2008
K. Suppression Cost: \$2,000,000
L. Fire Suppression Damages Repaired with Suppression Funds
 1. Fireline waterbarred (miles):
 2. Fireline seeded (miles): 0
 3. Other (identify):
M. Watershed Number: 1505030201, 1505030202
N. Total Acres Burned: 7950
 NFS Acres(7758) Other Federal () State () Private (192)
O. Vegetation Types: open oak woodland, grass, chaparral
P. Dominant Soils: typic ustochrepts, lithic ustochrepts
Q. Geologic Types: granite

R. Miles of Stream Channels by Order or Class:
25 miles first order; 9 miles second order

S. Transportation System

Trails: 0 miles Roads: 0 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 7414 (low) 356 (moderate) 180 (high)

B. Water-Repellent Soil (acres): negligible

C. Soil Erosion Hazard Rating (acres):
7414 (low) 536 (moderate) (high)

D. Erosion Potential: 10 tons/acre

E. Sediment Potential: 4287 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

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

B. Design Chance of Success, (percent): n/a

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

D. Design Storm Duration, (hours): 1

E. Design Storm Magnitude, (inches): 2.4

F. Design Flow, (cubic feet / second/ square mile): 329

G. Estimated Reduction in Infiltration, (percent): 53%

H. Adjusted Design Flow, (cfs per square mile): 502

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

Homes and associated buildings, road crossings, and utilities are located downstream from where this fire burned. Ephemeral washes draining the fire area are adjacent to these structures, and could flow at higher levels more frequently than in the past for the next 3 to 5 years.

The Forest Boundary fence was badly damaged, allowing cattle from the private land adjacent to the Forest easy access to the burned area. The Forest plans to keep permitted cattle off the burn for two growing seasons, but there will be a continued threat to recovery of the area due to cattle coming from adjacent land.

It is anticipated that the noxious weed buffelgrass (*Pennisetum ciliare*) could spread due to the changed conditions after the wildfire and aggravated by suppression actions.

B. Emergency Treatment Objectives:

Keep property owners informed of potential for higher flows.

Protect recovery area from cattle grazing impacts for at least two growing seasons.

Prevent expansion of buffelgrass in burned area.

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

Land 95 % Channel n/a % Roads/Trails n/a % Protection/Safety n/a %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land	85%	85%	85%
Channel	n/a	n/a	n/a
Roads/Trails	n/a	n/a	n/a
Protection/Safety	n/a	n/a	n/a

E. Cost of No-Action (Including Loss): **\$18,225**

F. Cost of Selected Alternative (Including Loss): **\$12,874**

G. Skills Represented on Burned-Area Survey Team:

<input checked="" type="checkbox"/> Hydrology	<input type="checkbox"/> Soils	<input type="checkbox"/> Geology	<input checked="" type="checkbox"/> Range	<input type="checkbox"/>
<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 type="checkbox"/> Fisheries	<input type="checkbox"/> Research	<input type="checkbox"/> Landscape Arch	<input checked="" type="checkbox"/> GIS	

Team Leader: Robert Lefevre

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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:

Survey for buffelgrass and if found, treat with herbicide. The buffelgrass will be surveyed after the summer rainy season in 2008 and again in 2009 and 2010. There is existing NEPA analysis for use of hand grubbing or glyphosate, metsulfuron methyl, and imazapic on buffelgrass. An interim burned area report will be submitted updating this initial funding request in order to conduct surveys in 2009 and 2010 or if buffelgrass is found in expanded areas due to the fire.

Construct a temporary drift fence that will keep cattle off the burn for at least two growing seasons.

Channel Treatments: n/a

Roads and Trail Treatments: n/a

Protection/Safety Treatments: Inform Pima County Flood Control officials of the burned watersheds in order that they may keep residents alerted. [This was completed on July 3, 2008.](#)

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.)

The area will be monitored as part of the ongoing range allotment monitoring.

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 \$	
A. Land Treatments										
survey for buffleggrass		2	2000	\$4,000	\$0		\$0		\$0	\$4,000
		0	0	\$0	\$0		\$0		\$0	\$0
cattle exclusion fence	miles	3000	1.5	\$4,500	\$0		\$0		\$0	\$4,500
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Land Treatments</i>				\$8,500	\$0		\$0		\$0	\$8,500
B. Channel Treatments										
				\$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
<i>Subtotal Channel Treat.</i>				\$0	\$0		\$0		\$0	\$0
C. Road and Trails										
				\$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
<i>Subtotal Road & Trails</i>				\$0	\$0		\$0		\$0	\$0
D. Protection/Safety										
				\$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
<i>Subtotal Structures</i>				\$0	\$0		\$0		\$0	\$0
E. BAER Evaluation										
person-days	days	400	15	---	\$6,000		\$0		\$0	\$6,000
<i>Insert new items above this line!</i>				---	\$0		\$0		\$0	\$0
<i>Subtotal Evaluation</i>				---	\$6,000		\$0		\$0	\$6,000
F. Monitoring										
				\$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				\$8,500	\$6,000		\$0		\$0	\$14,500
Previously approved										
Total for this request				\$8,500						

PART VII - APPROVALS

1. /s/ Jeanine A. Derby
Forest Supervisor (signature)

7/22/2008
Date

2. /s/ Gilbert Zepeda
Regional Forester (signature)

7/24/2008
Date