USDA-FOREST SERVICE FS-2500-8 (6/06)

Date of Report: 4/29/07

Deckers Fire - BURNED-AREA REPORT

(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

[X] 1. Funding request for estimated emergency stabilization funds
[ ] 2. Accomplishment Report
[ ] 3. No Treatment Recommendation

B. Type of Action

[X] 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:Deckers

B. Fire Number: MO-MTF-0097

C. State:Missouri

D. County:Pulaski

E. Region: Eastern (09)

F. Forest: Mark Twain National Forest

G. District: Houston/Rolla/Cedar Creek

H. Fire Incident Job Code: P9DC7X

I. Date Fire Started: 4/21/07

J. Date Fire Contained: 4/23/07

K. Suppression Cost: Estimated 20,000

L. Fire Suppression Damages Repaired with Suppression Funds: No work on the firelines has been done yet; a separate, non-BAER proposal is being submitted.

1. Fireline waterbarred (miles):_____
2. Fireline seeded (miles):_____
3. Other (identify):_____

M. Watershed Number: 10290202040

N. Total Acres Burned: 1212
NFS Acres(1162) Other Federal (50) State ( ) Private ( )

O. Vegetation Types: Mainly various oak species, with some scattered glades which are predominately Cedars now.

P. Dominant Soils: Clarksville

Q. Geologic Types: The fire is located between several ridgetops (1050 feet) and down to the riparian areas (750 feet) along the Big Piney River. Most of the hillsides are fairly steep with scattered bluffs.

R. Miles of Stream Channels by Order or Class: No streams affected.

S. Transportation System
Trails: 0 miles Roads: 3 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 849 (low) 242 (moderate) 121 (high)

B. Water-Repellent Soil (acres): none observed

C. Soil Erosion Hazard Rating (acres): Include acres here.
50 (low) 912 (moderate) 250 (high)

D. Erosion Potential: N/A tons/acre

E. Sediment Potential: N/A cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): < 1 yr. *Note: The estimated time is 1 year or less. But it is unknown. In early April the temperatures were near 80 and spring green up had started. Within 1 week the low temperatures were in the teens. So there was a lot of frost damage. It has warmed up since, but the effects from the killing frost followed by the fire are unknown at this time.*

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

C. Equivalent Design Recurrence Interval, (years): 2

D. Design Storm Duration, (hours): 4

E. Design Storm Magnitude, (inches): 4 in.

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

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats: The Deckers fire presents no threat to life and property. There is no critical habitat for any TE species within the burn area. There are no known significant heritage sites within the burn area. There is some risk of illegal ATV use opening new trails and also the threat of invasion of aggressive non-native invasive species. ATV use can cause soil erosion and also spread invasive weeds. There are known poplulations of invasive weeds just outside the fire perimeter.

B. Emergency Treatment Objectives: The objective of the proposed treatments are: to stop or minimize ATV traffic within the Deckers fire area and to reduce the risk of invasion by aggressive non-native invasive species. The treatments include placing large boulders to block access, installing signs, and conducting visits to detect/check for presence of invasive species in the high risk fire perimieter areas.

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

Land N/A % Channel N/A % Roads/Trails 100 % Protection/Safety N/A %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land	N/A		
Channel	N/A		
Roads/Trails	90		
Protection/Safety	N/A		

E. Cost of No-Action (Including Loss): 50,000

F. Cost of Selected Alternative (Including Loss): $5700

G. Skills Represented on Burned-Area Survey Team:

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

Team Leader: Klaus Leidenfrost

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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: N/A

Channel Treatments: N/A

Roads and Trail Treatments: Large boulders along with signs would be placed where roads or trails access the perimeter of the Deckers fire area to help prevent or minimize illegal ATV access. *Note: Some tentative locations for boulders have been identified. Some additional locations may be found. Boulders and/or signs would be placed at these locations.*

Protection/Safety Treatments: N/A

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.)

NNIS: The type of treatment that is recommended for the high priority/high risk areas is "detection" or checking for absence/presence of identified NNIS. This will occur later in 2007. A botanist will also monitor to see if the invasive weeds have spread. If detected, species will be hand-pulled and/or spot treated with herbicides. In addition, monitoring would be utilized to identify any new ATV trails in the area.

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

			NFS Lands				Other Lands			All
		Unit	# of		Other	# of	Fed	# of	Non Fed	Total
Line Items	Units	Cost	Units	BAER $	$	units	$	Units	$	$
A. Land Treatments	None									
				$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	None									
				$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										
Boulder placement	ea.	500	4	$2,000	$0		$0		$0	$2,000
Carsonite posts	ea.	20	30	$600	$0		$0		$0	$600
Supplies	various	275	1	$275	$0		$0		$0	$275
Salary: GS 11	days	275	3	$825						$825
Salary: GS 8	days	225	3	$675						$675
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Road & Trails				$4,375	$0		$0		$0	$4,375
D. Protection/Safety										
				$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					$4,000					
				---			$0		$0	$0
Insert new items above this line!				---	$0		$0		$0	$0
Subtotal Evaluation				---	$0		$0		$0	$0
F. Monitoring										
GS-11 Botanist	days	275	3	$825						
GS 11-	days	275	1	$275						
GS 8	days	225	1	$225	$0		$0		$0	$225
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Monitoring				$1,325	$0		$0		$0	$225
G. Totals				$5,700	$0		**$0**		**$0**	**$4,600**
Previously approved										
Total for this request				**$5,700**						

PART VII - APPROVALS

1. /s/ John L. Courteney for — 4/30/07
   Forest Supervisor (signature) — Date

2. /s/ Forrest L Starkey (for) Randy Moore — 05/01/07
   Regional Forester (signature) — Date