Date of Report: 09/12/2011

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: Woodbrodge

B. Fire Number: AZ-KNF-000604

C. State: Arizona

D. County: Coconino

E. Region: 3

F. Forest: Kaibab

G. District: 4

H. Fire Incident Job Code: P3F7KW

I. Date Fire Started: 07/12/2011

J. Date Fire Contained: 09/07/2011

K. Suppression Cost: $ 250,000

L. Fire Suppression Damages Repaired with Suppression Funds
1. **Fireline waterbarred (miles)**: 0
2. **Fireline seeded (miles):** 0
3. **Other (identify):** 0

M. Watershed Number: 150200160702, 150200160703

N. Total Acres Burned: 1,110
[X] NFS Acres **[ ] Other Federal** **[ ] State** **[ ] Private**

O. Vegetation Types: PIED, QUGA, PIPOS, ARTR2, JUMO, JUOS, MUMO, BOGR2, HECOC8

P. Dominant Soils: Typic Eutroboralfs, Cumulic Haploborolls, Lithic Haploborolls, Typic Haplustalfs, Fluventic Ustochrepts, Lithic Ustochrepts,

Q. Geologic Types: Permian sedimentary rocks of the Kaibab and Toroweap Formations including limestone, sandstone, gypsum, mudstone, doomite, and orthoquartzite

R. Miles of Stream Channels by Order or Class: 6.81 miles consisting entirely of 1st order ephemeral streams

S. Transportation System

Trails: 0 **miles** **Roads:** 6.35 **miles**

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 838 **(unburned /very low)** 262 **(low)** 10 **(moderate)**

B. Water-Repellent Soil (acres): None

C. Soil Erosion Hazard Rating (acres): 385 **(low)** 540 **(moderate)** 185 **(high)**

D. Erosion Potential: 5.84 **tons/acre**

E. Sediment Potential: 1,245 **cubic yards / square mile**

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): N/A

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): N/A

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 (narrative):

Threat of small populations of cheatgrass and Russian thistle expanding throughout a large portion of the fire area resulting in a reduction of native speices and a decline in watershed condition.

B. Emergency Treatment Objectives (narrative):

Treat small noxious weed areas before they expand within the larger fire 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	75	95	95
Channel			
Roads/Trails			
Protection/Safety			

E. Cost of No-Action (Including Loss):
If the small noxious weed populations are not treated, they will likely spread throughout the fire area. Twelve acres of weeds could spread to 3,500 acres in the fire area. Treatment costs is $100/ac.

F. Cost of Selected Alternative (Including Loss):
Twelve acres of herbicide treatment on cheatgrass and Russian thistle is $1,200. This treatment will prevent the spread of the noxious weeds to the surrounding fire area.

G. Skills Represented on Burned-Area Survey Team:

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

Team Leader: Michael Hannemann

Email: mhannemann@fs.fed.us **Phone**: 928-635-8299 **FAX**: 928-635-8208

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: Treat 12 acres of cheatgrass and Russian thistle with herbicide from a UTV with qualified applicators. This treatment will prevent spread of these noxious weeds to a large portion of the fire area. Without this treatment the weeds would reduce native species populations and a lead to a decline in watershed condition.

Channel Treatments: None recommended

Roads and Trail Treatments: None recommended

Protection/Safety Treatments: None 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.)

Monitoring for presence of invasive and noxious weeds during fall of 2011 and spring of 2012. Treatment of infestations would occur in fall of 2011 and spring of 2012 to minimize spread within fire affected areas ($1,000).

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											
		100	12	$1,200	$0			$0		$0	$1,200
				$0	$0			$0		$0	$0
				$0	$0			$0		$0	$0
Insert new items above this line!				$0	$0			$0		$0	$0
Subtotal Land Treatments				$1,200	$0			$0		$0	$1,200
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											
				$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 Structures				$0	$0			$0		$0	$0
E. BAER Evaluation											
		300	6	$1,800				$0		$0	$1,800
Insert new items above this line!				---	$0			$0		$0	$0
Subtotal Evaluation				---	$0			$0		$0	$1,800
F. Monitoring											
		250	4	$1,000	$0			$0		$0	$1,000
Insert new items above this line!				$0	$0			$0		$0	$0
Subtotal Monitoring				$1,000	$0			$0		$0	$1,000
G. Totals				$2,200	$0			**$0**		**$0**	**$4,000**
Previously approved											
Total for this request				**$2,200**							

PART VII - APPROVALS

1. */s/ Michael R. Williams* 09/12/2011
   Forest Supervisor (signature) Date

2. */s/* Roberta Buskirk (*for*) 09/20/2011
   Regional Forester (signature) Date