USDA-FOREST SERVICE FS-2500-8 (7/00)

Date of Report: 6-25-02

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

[] 1. Funding request for estimated WFSU-SULT funds
[X] 2. Accomplishment Report
[ ] 3. No Treatment Recommendation

B. Type of Action

[] 1. Initial Request (Best estimate of funds needed to complete eligible rehabilitation measures)

[X] 2. Interim Report
[ ] Updating the initial funding request based on more accurate site data or design analysis
[X] Status of accomplishments to date

[] 3. Final Report (Following completion of work)

PART II - BURNED-AREA DESCRIPTION

A. Fire Name: Big Wash

B. Fire Number: P43552

C. State: Utah

D. County: Iron and Kane

E. Region: 4

F. Forest: Dixie National Forest

G. District: Cedar City

H. Date Fire Started: 6/5/2002

I. Date Fire Contained: 6/17/2002

J. Suppression Cost: $5,383,388

K. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles): 8.8 dozer/3.2 handline
2. Fireline seeded (miles):
3. Other (identify):

Note: dozer line obliterated on NFS Lands

L. Watershed Number: Upper Deep Creek Watershed 150100020101

M. Total Acres Burned: 5296
NFS Acres(778) Other Federal (1279) State ( ) Private (3239)

N. Vegetation Types: Mixed conifer, Aspen and Gamble Oak

O. Dominant Soils: Holter-Midfork association (37%), Doct-Mult-Midfork complex (32%), Buffmeyer-Amesmont complex (21%) and Amesmont-Vandamore-Starm (8%)

P. Geologic Types: Limestone, Sandstone and Shales

Q. Miles of Stream Channels by Order or Class: 2 miles of 1st Order Streams, 2.36 miles of 2and Order Streams and 1 mile of 3red Order Streams

R. Transportation System

Trails: 0.43 miles Roads: 0.88 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 334 (low) 296 (moderate) 148 (high)

B. Water-Repellent Soil (acres): None

C. Soil Erosion Hazard Rating (acres):
288 (low) 412 (moderate) 78 (high)

D. Erosion Potential: 10.78 tons/acre

E. Sediment Potential: 287.2 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

Note: Since treatment proposals are such that hydrologic risk and design don't fit well, we have choosen not to complete these fields.

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

B. Design Chance of Success, (percent):

C. Equivalent Design Recurrence Interval, (years):

D. Design Storm Duration, (hours):

E. Design Storm Magnitude, (inches):

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

G. Estimated Reduction in Infiltration, (percent):

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

PART V - SUMMARY OF ANALYSIS

A. Describe Watershed Emergency:

Emergency #1: Weed inventories indicate that Canadian Thistle currently exists within the burn perimeter and we anticipate an excellerated outbreak this time next year and will need to monitor and treat this occurance.

B. Emergency Treatment Objectives:

Emergency #1: The strategy is to detect and treat any new outbreaks of Canada Thistle within the fire perimeter. This work will be completed in Spring and Summer of FY2003

C. Probability of Completing Treatment Prior to First Major Damage-Producing Storm:

Land __ % Channel __ % Roads __ % Other __ %

Emergency #1: The probability of completing this task by mid-growing season next year is 100% or FY2003

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land			
Channel			
Roads			
Other	30	60	100

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

Emergency #1: Since weed colonize in an exponential fashion and using a power of 2 we can assume about 3 acres the next year or and additional cost of $4000 over the first year treatment of $2000

F. Cost of Selected Alternative (Including Loss):

Emergency #1: $2000

G. Skills Represented on Burned-Area Survey Team:

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

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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: Vegatative recovery will be enhanced by closing the allotment for 2 growing seasons or until the vegetation has sufficiently recovered from the burn.

Channel Treatments:

Roads and Trail Treatments:

Noxious Weeds:

One acre of Canada Thistle occurs within the fire perimeter. If present in the pre-burn community (as is the case), Canada Thistle is know to rapidly colonize burned areas following fire. Treatment will require seeding the site to prevent weed establishment, herbicide applications for 3 consecutive years, and monitoring the infestation.

- Seeding 1 acre at $250 in one application (FY2003)
- Herbicide Treatment at $400 for the first year (FY2003)
- Herbicide Treatment at $300 in next two years (FY2003)
- Monitoring at 3 days or 1 day per year for a total of $750.

(FY2003)

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.)

Weed inventories indicate that Canadian Thistle currently exists within the burn perimeter and we anticipate an excelerated outbreak within one year and will need to monitor and treat this occurance. Monitoring reports will be submitted to the Forest BAER Coordinator annually.

Part VI – Emergency Rehabilitation Treatments and Source of Funds by Land Ownership

				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Land Treatments				$0			$0		$0	$0
B. Channel Treatments										
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Channel Treat.				$0			$0		$0	$0
C. Road and Trails										
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Road & Trails				$0			$0		$0	$0
D. Structures										
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Structures				$0			$0		$0	$0
E. BAER Evaluation										
Hydrology	day	293.35	4	$1,173			$0		$0	$1,173
Recreation	day	249.18	0.5	$125			$0		$0	$125
Planning	day	265.43	1	$265			$0		$0	$265
Range	day	247.56	2	$495			$0		$0	$495
GIS	day	89.64	2	$179			$0		$0	$179
F. Monitoring										
G. Totals				**$2,237**			**$0**		**$0**	**$2,237**

PART VII - APPROVALS

1. /s/ Frances W. Reynolds (acting) — 11-20-2002
   Forest Supervisor (signature) — Date

2. _____ — _____
   Regional Forester (signature) — Date