Date of Report: 8/8/05

YANT BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

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

B. Type of Action

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

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

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

PART II - BURNED-AREA DESCRIPTION

A. Fire Name: Yant

B. Fire Number: PDB0J4

C. State: Utah

D. County: Washington

E. Region: Intermountain

F. Forest: Dixie

G. District: Pine Valley

H. Date Fire Started: July 22, 2005

I. Date Fire Contained: July 27, 2005

J. Suppression Cost: $200,000

K. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles): 0
2. Fireline seeded (miles): 0

L. Watershed Number: Heath Wash 150100080904

M. Total Acres Burned: 522
NFS Acres(522) Other Federal ( ) State ( ) Private ( )

N. Vegetation Types: Pinyon-Juniper with mixed shrubs.

O. Dominant Soils: The soil are dominanted by shallow to very deep sand over Navajo sandstone.

P. Geologic Types: Navajo sandstone and Carmel formation.

Q. Miles of Stream Channels by Order: none

R. Transportation System

Trails: 0 miles Roads: 0.5 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 502 (low and unburned) 20 (moderate) 0 (high)

B. Water-Repellent Soil (acres): 0

C. Soil Erosion Hazard Rating (acres):
418 (low) 104 (moderate) ___ (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): 3-5

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:

Threats to Unacceptable Resource Degradation:
ATV encroachment and other off road travel is a concern in this area; it is recommended that signage be placed at critical resource areas to prevent unacceptable degradation to the watershed. The signage proposed would be provided by the district and help educate and notify forest users of potential excessive degradation to burned watersheds.

Forest Road 904 was evaluated for excessive erosion concerns, no treatment is needed at this time.

Desert Tortosie habitat was evaluated within the Yant fire. The expected natural recovery of this area in this low burn severity fire area will not be detrimental to in the long term and no treatment was recommended.

Threats of Noxious Weeds and Invasive Plant Invasion:
To determine the need for future treatments, monitoring will be conducted to document if increased noxious weed invasion is occurring within the wildfire perimeter. During the fire suppression activities fire transportation equipment and engines utilized areas near Diamond Valley where noxious weeds are present. Monitoring will begin in fiscal year 2006 and will associated with the other adjacent fires in the area.

B. Emergency Treatment Objectives:

The primary purpose of the proposed emergency rehabilitation is to take prompt actions deemed reasonable and necessary to effectively protect, reduce or minimize significant threats to unacceptable resource degradation, property and human life and noxious weeds and invasive plants. The emergency treatments being recommended by the Yant BAER Team are specifically designed to achieve the following results.

1) Provide for public safety and promote vegetative recovery by communicating the post fire hazards and effects to the public.

2) Limit colonization and/or expansion of noxious weeds and invasive plants species onto National Forest System lands.

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

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

D. Probability of Treatment Success: No Tratmments Recommended.

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

F. Cost of Selected Alternative: (Including Loss); N/A

G. Skills Represented on Burned-Area Survey Team:

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

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H. **Treatment Narrative:** N/A

I. **Monitoring Narrative:**

Noxious Weed and Invasive Plant Monitoring
Monitor the location of the known sites and likely sites for new infestations and implement control actions as specified in the Noxious Weed Amendment to the Dixie Forest Plan (2000). Randy Russell (Pine Valley Range Conservationist) will be responsible for this monitoring effort.

Monitoring will begin in fiscal year 2006 and will be associated with adjacent fires of 2005.

A detailed monitoring plan will be submitted as a separate document to the Regional BAER coordinator.

Yant BAER
Noxious Weed Monitoring

OBJECTIVE: Monitor noxious weeds the Yant fire perimeter to prevent an outbreak.

ITEM TO MONITOR: Presence and noxoius weed within the burn perimeter.

TYPE OF MONITORING: Site visit/occular

METHODS/PARAMETERS: Visit known location of noxoius weeds. Grid exam in burned areas and along road corridors.

FREQUENCY/DURATION: FY06.

PROJECTED COSTS: $900.00

REPORTING PROCEDURES: Annual Yant BAER Monitoring Report

RESPONSIBILITY: Randy Russell, Range Conservationist

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

		Unit	# of	WFSU	Other	# of	Fed	# of	Non Fed	Total
Line Items	**Units**	**Cost**	**Units**	**SULT $**	**$**	**units**	**$**	**Units**	**$**	**$**
A. Land Treatments										
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
				$0	$0					
				$0	$0		$0		$0	$0
Subtotal Land Treatments				$0	$0		$0		$0	$0
B. Channel Treatments										
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
				$0	$0					
				$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
Subtotal Road & Trails				$0	$0		$0		$0	$0
D. Structures										
				$0	$0		$0		$0	$0
				$0	$0		$0		$0	$0
				$0	$0					
				$0	$0		$0		$0	$0
Subtotal Structures				$0	$0		$0		$0	$0
E. BAER Evaluation										
BAER Assesment	hours	30	100	$3,000	$0		$0		$0	$3,000
				$0	$0					
				$0	$0		$0		$0	$0
Subtotal Evaluation				$3,000	$0		$0		$0	$3,000
F. Monitoring										
				$0	$0		$0		$0	$0
				$0	$0					
				$0	$0					
Subtotal Monitoring				$0	$0		$0		$0	$0
G. Totals				**$3,000**	**$0**		**$0**		**$0**	**$3,000**

PART VII - APPROVALS

1. /s/ Robert A. Russell — August 8, 2005
   Forest Supervisor (signature) — Date

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