

Date of Report: August 30, 2000

**BURNED-AREA REPORT**  
(Reference FSH 2509.13)**PART I - TYPE OF REQUEST**

***The Pahaska Complex consists of three fires – Crow, Pahaska and Rattlesnake. This burned area report only addresses the Crow Fire, which burned 1,228 acres. The Pahaska and Rattlesnake Fires are small burns; 15 and 1 acre, respectively.***

**A. Type of Report**

- ☐ 1. Funding request for estimated WFSU-SULT funds
- ☐ 2. Accomplishment Report
- ☒ 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
- ☒ 3. Final Report (Following completion of work)

**PART II - BURNED-AREA DESCRIPTION****A. Fire Name:** Pahaska Complex**B. Fire Number:** WY-SNF-P27082**C. State:** WY**D. County:** Park**E. Region:** 02**F. Forest:** Shoshone**G. District:** Wapiti**H. Date Fire Started:** 8/17/00**I. Date Fire Controlled:** 8/24/00**J. Suppression Cost:** \$3,000,000**K. Fire Suppression Damages Repaired with Suppression Funds**

- 1. Fireline waterbarred (miles): 10
- 2. Fireline seeded (miles): 0
- 3. Other (identify): Helispots, helibase, spike camps, fire camp

**L. Watershed Number:** 100800120103**M. Total Acres Burned:** NFS Acres( 1228 ) Other Federal ( ) State ( ) Private ( )**N. Vegetation Types:** ABLA/ARCO; ABLA/LIBO; ABLA/JUCO; ABLA/SYAL; ABLA/VASC; PIAL/VASC**O. Dominant Soils:** Eutric Haplocryalfs; Typic Cryochrepts; Rock Outcrop/Rubbleland

P. Geologic Types: Volcanic breccia

Q. Miles of Stream Channels by Order or Class: 1<sup>st</sup> – 10.6; 2<sup>nd</sup> – 3.1; 3<sup>rd</sup> – 2.1

R. Transportation System: Trails: 0.7 miles      Roads: 0.0 miles

### **PART III - WATERSHED CONDITION**

A. Burn Severity (acres): 90 (low)   955 (moderate)   183 (high)

B. Water-Repellent Soil (acres): 920

C. Soil Erosion Hazard Rating (acres): 300 (low)   844 (moderate)   84 (high)

D. Erosion Potential: 8.5 tons/acre

E. Sediment Potential: 109 cubic yards / square mile

### **PART IV - HYDROLOGIC DESIGN FACTORS**

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

B. Design Chance of Success, (percent):      90

C. Equivalent Design Recurrence Interval, (years):      10

D. Design Storm Duration, (hours):      24

E. Design Storm Magnitude, (inches):      2.5

F. Design Flow, (cubic feet / second/ square mile):      5

G. Estimated Reduction in Infiltration, (percent):      10

H. Adjusted Design Flow, (cfs per square mile):      5.5

### **PART V - SUMMARY OF ANALYSIS**

A. Describe Watershed Emergency:

The Crow Fire is located in the upper reaches of the Crow Creek drainage, a wilderness watershed tributary to the North Fork Shoshone River. The burned area was assessed on August 29, 2000 to determine if a watershed emergency exists. The assessment team did not identify any significant threats to life and property, water quality or long-term soil productivity.

B. Emergency Treatment Objectives:  
None.

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

Land \_\_\_ %   Channel \_\_\_ %   Roads \_\_\_ %   Other \_\_\_ %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land			
Channel			
Roads			
Other			

E. Cost of No-Action (Including Loss): \$0

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

☒ Hydrology    ☒ Soils    ☒ Geology    ☐ Range    ☐  
☐ Forestry    ☐ Wildlife    ☐ Fire Mgmt.    ☐ Engineering    ☐  
☐ Contracting    ☒ Ecology    ☒ Botany    ☐ Archaeology    ☐  
☐ Fisheries    ☐ Research    ☐ Landscape Arch    ☐ GIS

Team Leader: Greg Bevenger, Hydrologist, Shoshone National Forest

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H. **Treatment Narrative:**

Land Treatments:

None.

Channel Treatments:

None.

Roads and Trail Treatments:

None.

Structures:

None.

H. **Monitoring Narrative:**

None.

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

			NFS Lands					Other Lands			All
		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
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
				\$0				\$0		\$0	\$0
				\$0				\$0		\$0	\$0
Subtotal Structures				\$0				\$0		\$0	\$0
E. BAER Evaluation											
				\$0	\$500			\$0		\$0	\$500
				\$0	\$0			\$0		\$0	\$0
G. Monitoring Cost				\$0				\$0		\$0	\$0
H. Totals				\$0				\$0		\$0	\$500

## **PART VII - APPROVALS**

1.     /s/Rebecca Aus      
Forest Supervisor (signature)

August 30, 2000  
Date

2. \_\_\_\_\_  
Regional Forester (signature)

Date \_\_\_\_\_