

# BURNED AREA REPORT

(Reference FSH 2509.13, Report FS-2500-A)

Date of Report

8/30/85 ✓

## PART I — TYPE OF REQUEST

## 1. Type of Report

A. ☐ Funding (Request for estimated FFF funds)B. ☒ Accomplishment Report

## 2. Type of Action

A. ☐ Initial (estimated funding is first requested)

No request.

B. ☐ Interima. ☐ Updating the initial funding requestb. ☐ Supplying information for accomplishments to date on emergency work underwayC. ☐ Finala. ☐ Best estimate for funds needed to complete eligible rehabilitation measureb. ☐ Following completion of funded work

## PART II — FIRE LOCATION

1. Fire Name (From Form FS-5100-29)

Bronco Sam Fire

2. Forest Supervisor's Fire No. (From FS-5100-29)

Custer NF 3-067

3. State

Mt.

4. County

Carter

5. Region

01

6. Forest

Custer (08)

7. Ranger District

Sioux (03)

8. Date Fire Started

July 28

9. Date Fire Controlled

July 29

10. Estimated Suppression

s. Class 1

11. Fire Suppression Damages Repaired with FFF 102 Funds

a. 0.5 miles (firelines waterbarred)

b. 0.5 acres (firelines seeded)

c. Other (identify)

Most fireline was made by Disc which causes rapid range renovation + vigorous regrowth.

12. Fire Intensity

a. 30 % (low)

b. 40 % (medium)

c. 30 % (high)

## PART III — NATIONAL FOREST SYSTEM PROBLEM INVENTORY

1. Watershed No.

0090209

2. NFS Acres Burned

700

3. Water Repellant Soil

30 % of NFS acres burned

4. Vegetation Types

Ponderosa Pine - grassland

Sagebrush - grassland

Elm, Ash + Chokeberry in stream bottoms

5. Geologic Types

Sandstone - siltstone

6. Soil Erosion Hazard Rating

a. 40 % (low)

b. 40 % (medium)

c. 20 % (high)

7. Erosion Potential

2000 cu. yds/sq. miles

8. Miles of Stream Channels By Regional Order or Classes

Order II - 6.25 miles All stream are intermittent + are dry the majority of the time.

9. Miles of Forest Service Trails

0

10. Miles of Forest Service Roads By Maintenance Levels

a. \_\_\_\_\_ miles (Level I)

b. \_\_\_\_\_ miles (Level II)

c. \_\_\_\_\_ miles (Levels III, IV, V)

## PART IV — CALCULATED RISK AND CLIMATIC EVALUATION

1. Estimated Vegetative Recovery Period (Years)

2 years for most areas

2. Chance of Success Desired By Management (Percent)

3. Equivalent Design Recurrence Period (Years)

4. Related Design Storm Duration (Hours)

5. Related Design Storm Magnitude (Inches)

6. Related Design Flow (cfsm)

7. Estimated Reduction In Infiltration (Percent)

8. Adjusted Related Design Flow (cfsm)

# PART V – SUMMARY OF SURVEY AND ANALYSIS

## 1. Skills Represented on Burned Area Survey Team (x appropriate boxes)

- a. ☐ Hydrology    b. ☒ Soils    c. ☐ Geology    d. ☐ Range    e. ☐ Timber    f. ☐ Wildlife  
g. ☐ Fire Mgmt.    h. ☐ Engineering    i. ☐ Contracting    j. ☐ Local Mgmt.    k. ☐ Research    l. ☐ Other \_\_\_\_\_  
(identify)

## 2. Describe Emergency

Lightning-caused fire.

## 3. Emergency Rehabilitation Objective

Burned area suffered sheet erosion + deposition in stream channels immediately after containment. (Big Thunder storm) Much of the ash + some sandy topsoil washed away. Perennial grasses already sprouting up within a week or 10 days.

## 4. Probability of Completing Treatment Prior to First Major Damage Producing Storm

- a. 0 % (land)    b. 0 % (channel)    c. \_\_\_\_\_ % (roads)    d. \_\_\_\_\_ % (other) \_\_\_\_\_  
(identify)

## 5. Net Environmental Quality Benefit Index

- a. ☐ Significant    b. ☐ Not Significant

## 6. Net Social Well Being Benefit Index

- a. ☐ Significant    b. ☐ Not Significant

## 7. Benefit/Cost Ratio

## 8. Net Benefits

## 9. Cost Effectiveness Index

- a. ☐ I    b. ☐ II    c. ☐ III    d. ☐ IV

# PART VI – ELIGIBLE EMERGENCY REHABILITATION MEASURES OR TREATMENTS & SOURCE OF FUNDS

Note: Emergency rehabilitation is work done promptly following a wildfire and is not to solve watershed problems that existed prior to the wildfire.

Line Items	Units	Unit Cost	NFS Lands			Other Lands			All Lands	
(1)	(2)	(3)	No. of Units	FFF 092 \$	Other \$ (identify)	No. of Units	Federal \$ (identify)	Non-Federal \$ (identify)	Total \$	(10)
A. LAND	a. Seeding	Acres								
	b.									
	c.									
	d.									
	e.									
B. CHANNELS	a. Opening water courses	Miles								
	b. Stabilizing Streambanks	Miles								
	c.									
	d.									
	e.									
C. ROADS & TRAILS	a.									
	b.									
	c.									
	d.									
	e.									
D. MAJOR STRUCTURES										
a. Preplanned – from Forest Plans										
E. TOTAL										

# PART VII – APPROVALS

## 1. Forest Supervisor (Signature)

## 2. Date

## 3. Regional Forester (Signature)

## 2. Date