

BURNED AREA REPORT
(Reference FSH 2509.13, Report FS-2500-8)

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)
☐ B. Interim

- ☐ Updating the initial funding request.
☐ Supplying information for accomplishments to date
on emergency work underway.

☒ C. Final

- ☐ Best estimate for funds needed to complete eligible
rehabilitation measure.
☐ Following completion of funded work.

PART II - FIRE LOCATION

1. Fire Name (from Form FS-5100-29): WILLIS
2. Forest Supervisor's Fire No. (from Form FS-5100-29): 7
3. State: ARIZONA
4. County: COCONINO
5. Region: 3
6. Forest: KAIBAB
7. Ranger District: NORTH KAIBAB
8. Date Fire Started: 7/13/87
9. Date Fire Controlled: 7/17/87
10. Estimated Suppression Costs: \$ 540,000
11. Fire Suppression Damages Repaired with FFF 102 Funds:

20 miles (firelines waterbarred)

40 acres (firelines seeded)

 Other (identify)

12. Fire Intensity: 20 % (low) 0 % (medium) 80 % (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

1. Watershed No.: 094 (KANAB CREEK)
2. NFS Acres Burned: 2000
3. Water Repellant Soil: 15 % of NFS acres burned

4. Vegetation Types: PONDEROSA PINE, PONDEROSA/PINYON PINE, PINYON/JUNIPER.
5. Geologic Types: KAIBAB LIMESTONE
6. Soil Erosion Hazard Rating:

50 % (low) 30 % (medium) 20 % (high)

7. Erosion Potential: 3733 cu. yds/sq. miles
8. Miles of Stream Channels by Regional Order or Classes: #1=5.5, #2=1.0, #3=0.5
9. Miles of Forest Service Trails: 0
10. Miles of Forest Service Roads by Maintenance Levels:

15 miles (Level I) 15 miles (Level II)
9.5 miles (Levels III, IV, V)

PART IV - CALCULATED RISK AND CLIMATIC EVALUATION

1. Estimated Vegetative Recovery Period: 3 years.
2. Chance of Success Desired by Management: 85 percent.
3. Equivalent Design Recurrence Period: 25 years.
4. Related Design Storm Duration: 1/2 hours.
5. Related Design Storm Magnitude: 1.5 inches.
6. Related Design Flow 90 cfs.
7. Estimated Reduction in Infiltration: 30 percent.
8. Adjusted Related Design Flow: 117 cfs.

PART V - SUMMARY OF SURVEY AND ANALYSIS

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

<input checked="" type="checkbox"/> Hydrology	<input checked="" type="checkbox"/> Soils	<input type="checkbox"/> Geology	<input checked="" type="checkbox"/> Range
<input checked="" type="checkbox"/> Timber	<input checked="" type="checkbox"/> Wildlife	<input checked="" type="checkbox"/> Fire Mgmt.	<input type="checkbox"/> Engineering
<input type="checkbox"/> Contracting	<input checked="" type="checkbox"/> Local Mgmt.	<input type="checkbox"/> Research	<input type="checkbox"/> Other (identify)

2. Describe Emergency: EXTREMELY HOT!! WILDFIRE DESTROYED GROUND COVER AND REHABILITATION SHOULD BE COMPLETED BEFORE SUMMER RAINS CAUSE UNACCEPTABLE RESOURCE DAMAGE.

3. Emergency Rehabilitation Objective: STABILIZE BURNED AREA PRIOR TO THE HIGH INTENSITY STORMS THAT NORMALLY OCCUR IN AUGUST.

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

Land 90 % Channel NA % Roads 100 % Other %

5. Net Environmental Quality Benefit Index:

☒ Significant ☐ Not Significant

6. Net Social Well Being Benefit Index:

☒ Significant ☐ Not Significant

7. Benefit/Cost Ratio: 4.18

8. Net Benefits: \$ 75,897

9. Cost Effectiveness Index: ☐ I. ☒ II. ☐ III. ☐ IV.

D. MAJOR STRUCTURES									
a. Preplanned -									
- from Forest									
- Plans									
-									
E. TOTAL					\$21,640	\$2,855		\$	\$
,495									\$ 24

PART VII - APPROVALS

/S/LEONARD A. LINDQUIST 10/27/87
 Forest Supervisor (Signature) Date

 Regional Forester (Signature) Date

