USDA—Forest Service

BURNED AREA REPORT

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

Date of Report: September 21, 1988

PART I – TYPE OF REQUEST

1. Type of Report

A. [X] Funding (Request for estimated FFF funds) B. [ ] Accomplishment Report

2. Type of Action

A. [XX] Initial (estimated funding is first requested)

B. [ ] Interim

a. [ ] Updating the initial funding request

b. [ ] Supplying information for accomplishments to date on emergency work underway

C. [ ] Final

a. [ ] Best estimate for funds needed to complete eligible rehabilitation measure

b. [ ] Following completion of funded work

PART II – FIRE LOCATION

1. Fire Name (From Form FS-5100-29)	2. Forest Supervisor's Fire No. (From FS-5100-29)	3. State	4. County
Canyon Creek Fire	MT-LNF-8132	MT	Lewis & Clark

5. Region	6. Forest	7. Ranger District	8. Date Fire Started	9. Date Fire Controlled	10. Estimated Suppression
01	Lewis & Clark NF	Rocky Mountain RD	6/25/88		$ 7,750,000

11. Fire Suppression Damages Repaired with FFF 102 Funds

a. _____ miles (firelines waterbarred) b. _____ acres (firelines seeded) c. Other (identify) 102 rehab in progress

12. Fire Intensity

a. 60 % (low) b. 3 % (medium) c. 37 % (high)

PART III – NATIONAL FOREST SYSTEM PROBLEM INVENTORY

1. Watershed No.	2. NFS Acres Burned	3. Water Repellant Soil
1003010206 1003010407	116,000	30 % of NFS acres burned

4. Vegetation Types	5. Geologic Types
Lodgepole 60 Douglas Fir 20 15 whitebark/subalpine fir Grass 5	Sandstone Shale Limestome

6. Soil Erosion Hazard Rating

a. 17 % (low) b. 6 % (medium) c. 77 % (high)

7. Erosion Potential: 32 cu. yds/sq. miles

8. Miles of Stream Channels By Regional Order or Classes		9. Miles of Forest Service Trails
I 128	III 14	75
II 38	IV 36	

10. Miles of Forest Service Roads By Maintenance Levels

a. - miles (Level I) b. - miles (Level II) c. 2.5 miles (Levels III, IV, V)

PART IV – CALCULATED RISK AND CLIMATIC EVALUATION

1. Estimated Vegetative Recovery Period (Years)	2. Chance of Success Desired By Management (Percent)
50	80
3. Equivalent Design Recurrence Period (Years)	**4. Related Design Storm Duration (Hours)**
25 years	24
5. Related Design Storm Magnitude (Inches)	**6. Related Design Flow (cfsm)**
3.5	34
7. Estimated Reduction In Infiltration (Percent)	**8. Adjusted Related Design Flow (cfsm)**
80	40

Previous edition of this form is obsolete.

FS-2500-8 (11/82)

(OVER)

PART V – SUMMARY OF SURVEY AND ANALYSIS

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

a. [X] Hydrology b. [X] Soils c. [ ] Geology d. [X] Range e. [XX] Timber f. [XX] Wildlife
g. [ ] Fire Mgmt. h. [X] Engineering i. [ ] Contracting j. [X] Local Mgmt. k. [ ] Research l. [X] Other Fisheries Biology (identify)

2. Describe Emergency: High intensity fire burned out the Elk Creek & Dearborn River, greatly increasing susceptibility to severe erosion and sedimentation, with increased peak flows, impacting the town of Augusta, private property, and fish habitat along those streams.

3. Emergency Rehabilitation Objective: Stabilize soils & drainage channels in these 2 watersheds to minimize water quality degradation, protect site productivity, and reduce damage to downstream facilities, including private property in the town of Augusta & several ranch headquarters. Protect proposed Wild. values by use of native species only. (wilderness)

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

a. 80 % (land) b. 80 % (channel) c. 80 % (roads) d. _____ % (other) _____ (identify)

5. Net Environmental Quality Benefit Index

a. [ ] Significant b. [XX] Not Significant

6. Net Social Well Being Benefit Index

a. [XX] Significant b. [ ] Not Significant

7. Benefit/Cost Ratio	8. Net Benefits	9. Cost Effectiveness Index
2.3/1	$2,420,000	a. [ ] I b. [ ] II c. [XX] 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 (1)	Units (2)	Unit Cost (3)	NFS Lands: No. of Units (4)	NFS Lands: FFF 092 $ (5)	NFS Lands: Other $ (identify) (6)	Other Lands: No. of Units (7)	Other Lands: Federal $ 4630 (identify) (8)	Other Lands: Non-Federal 403 (identify) (9)	All Lands: Total $ (10)
A. LAND	a. Seeding	Acres	23.35	8412	196,420		9659	9200	216,338	421,958
	b. Proposed Wilderness	acres	65.30	9636	629,230					629,230
	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			45.75	18,048	825,650		9659	9200	216,338	1,051,188

PART VII – APPROVALS

1. Forest Supervisor (Signature)	2. Date	3. Regional Forester (Signature)	2. Date
Dale Gomman	9-21-88	[signature]	9/21/88

GPO 893-636