

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): Divide
2. Forest Supervisor's Fire No. (from Form FS-5100-29): NM-GNF-116
3. State: NM
4. County: Sierra
5. Region: O3
6. Forest: Gila
7. Ranger District: Black Range and Mimbres
8. Date Fire Started: 6/30/89
9. Date Fire Controlled: 7/16/89
10. Estimated Suppression Costs: \$2,500,000
11. Fire Suppression Damages Repaired with FFF 102 Funds:

 65 miles (firelines waterbarred) (estimated)
 0 acres (firelines seeded) At present - all fireline will be seeded
 _____ Other (identify) Base camp ripped seeded and mulched,
 hellspots seeded, spike camps seeded.
12. Fire Intensity: 80 % (low) 10 % (medium) 10 % (high)

PART III - NATIONAL FOREST SYSTEM PROBLEM INVENTORY

1. Watershed No.: East Fork Gila River (15040001124); Cuchillo Negro Creek
13030101059, Caballo 13030101060.
2. NFS Acres Burned: 10,025
3. Water Repellant Soil: 3 % of NFS acres burned

- 0 % (low) 20 % (medium) 80 % (high)

- _____ miles (Level I) _____ miles (Level II)
_____ miles (Levels III, IV, V)

1. Estimated Vegetative Recovery Period: 3 years.
2. Chance of Success Desired by Management: 70 percent.
3. Equivalent Design Recurrence Period: 15 years.
4. Related Design Storm Duration: .5 hours.
5. Related Design Storm Magnitude: 1.2 inches.
6. Related Design Flow 60 cfs.
7. Estimated Reduction in Infiltration: 15 percent.
8. Adjusted Related Design Flow: 66.5 cfs.

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

- Land _____ % Channel _____ % Roads _____ % Other 50 % Trails

- [X] Significant [] Not Significant

- [X] Significant [] Not Significant

7. Benefit/Cost Ratio: 1.05:1
8. Net Benefits: \$ 16,150 _____
9. Cost Effectiveness Index: ☐ I. ☒ II. ☐ III. ☐ IV.

PART VI - ELIGIBLE EMERGENCY REHABILITATION MEASURES OR TREATMENTS

AND 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	NFS Lands					Other Lands			All Lands
	Units	Unit	No. of	FFP 092	Other \$	No. of	Federal\$	Non-Federal	Total
		Cost	Units	\$		Units		\$	\$
					ident.		ident.	Identify	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
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 AND TRAILS									
* a. Forest Trails	Miles	470	17	84.00					
b.									
c.									
D. MAJOR STRUCTURES									
a. Preplanned -									
from Forest									
Plans									
E. TOTAL				**\$84.00	\$		\$	\$	\$

PART VII - APPROVALS

/S/ STEVE KELLY _____ 7/10/89
 Forest Supervisor _____
 Acting _____ Date

/S/ John W. Russell (for) _____ 7/11/89
 Regional Forester _____
 _____ Date

* 17 miles of trail from 5 trails lie in the burned area. Most drainage structures are constructed of native logs and have been destroyed by the Divide Fire. The intent is to replace burned drainage structures. Cost is for labor and transportation - materials are on site. Average slope is 60-80%.

** Charged against FFP 092. Actual costs are estimated at \$8,000.00, but were charged to FFP 102.

ON-SITE AND OFF-SITE DEVELOPMENTS SUBJECT TO HAZARDS¹

(Reference FSH 2509.13)

Fire Name

Date of Report

DIVIDE

7-19-89

Line Items

Type of

Number of

Estimated

Units

Units

Value \$

(a)

(b)

(c)

(d)

1. Community and urban development

People

2. Municipal and domestic water supply

People

Served

3. Transportation systems (Trails)

Miles

17

255,000 *

4. Water distribution system (irrigation)

Miles

5. Agricultural development (crops, facilities)

Acres

6. Industrial development (dams, power, manufacturing)

Number

7. Power and communication lines

Miles

8. Recreation development

PAOT

9. Fish habitat

Miles

2

? **

10. Other (specify)

2

11. Total Hazard Potential

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

255,000

12. Narrative (Optional- if additional space is needed, attach another sheet).

* - Value of trails is based on construction cost. The estimated cost of trail construction in wilderness, on steep slopes and rocky terrain is \$15,000 per mile.

** - The value of fish habitat is usually based on fisherman RVD's. Diamond Creek contains the original gene pool of native Gila trout. Fishing is not permitted. The habitat is valuable, but no attempt is made to put a price tag on it.

¹ Hazards from floods, floating debris, erosion, or sediment because a watershed is impaired by wildfire. (Do not include value of resources damaged or destroyed by the fire reported on FS-5100-29.)

² Indicates values threatened by design storm. Does not enter into the B/C.

**EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN
EMERGENCY PROGRAM**
(Reference FSH 2509.13)

Fire Name

DIVIDE

Date of Report

7-19-89

A. ENVIRONMENTAL QUALITY BENEFIT INDEX

Environmental Factor (a)	Weight Factor (b)	Without Treatment		With Treatment		Difference	
		Actual (c)	Weighted (d)	Actual (e)	Weighted (f)	Actual (g)	Weighted (h)
1. Erosion and sediment	8	2	16	1	8	1	8
2. Aesthetic land quality	4	1	4	0	0	1	4
3. Water quality	3	1	3	0	0	1	3
4. Site productivity	7	2	14	1	7	1	7
5. Wildlife habitat	5	1	5	0	0	1	5
6. Fish habitat	6	2	12	1	6	1	6
7. Other							
8. TOTAL	33	XXXXXXXX	54	XXXXXX	21	XXXXXXXX	33
9. Average weighted index	XXXXXXXX	XXXXXXXX	1.6	XXXXXX	.6	XXXXXXXX	1.2
10. Net environmental quality benefit index	XXXXXXXX	XXXXXXXX	XXXXXXXXXXXX	XXXXXX	XXXXXXXXXXXX	XXXXXXXX	1.2

B. SOCIAL WELL-BEING BENEFIT INDEX

Social Criteria (a)	Weight Factor (b)	Without Treatment		With Treatment		Difference	
		Actual (c)	Weighted (d)	Actual (e)	Weighted (f)	Actual (g)	Weighted (h)
1. Life, health, safety	10	0	0	0	0	0	0
2. Employment	1	0	0	0	0	0	0
3. Recreational opportunity	3	2	6	1	2	2	.4
4. Economic stability	0	0	0	0	0	0	0
5. Income distribution	0	0	0	0	0	0	0
6. Preserve special sites	0	0	0	0	0	0	0
7. Other							
8. TOTAL	14	XXXXXXXX	6	XXXXXX	2	XXXXXXXX	4
9. Average weighted index	XXXXXXXX	XXXXXXXX	.4	XXXXXX	.1	XXXXXXXX	.3
10. Net social well-being benefit index	XXXXXXXX	XXXXXXXX	XXXXXXXXXXXX	XXXXXX	XXXXXXXXXXXX	XXXXXXXX	.3

C. REMARKS

D. EXPECTED DAMAGE REDUCTION BENEFIT SUMMARY

Note: At current Water Resources Council interest rate 8.625 percent

Economic Benefit Indices (a)	Units of Measure (b)	Damage Expected				Expected \$ Damage Reduction (g)
		Without Treatment		With Treatment		
		No. of Units (c)	Present Value (\$) (d)	No. of Units (e)	Present Value (\$) (f)	
I. Watershed Impacts Sediments	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX
1. Downstream water storage						
2. Sediment removal	cu.yd.	340	17,000	17	850	16,150
3. Fish habitat						
4. Water quality						
II. Flood Water	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX
1. Land						
2. Water Improvements						
3. Subtotal, Watershed	XXXXXXXXXX	XXXXXXXXXX		XXXXXXXXXX		
III. Resource Related Impacts	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX
1. Range						
2. Wildlife and Recreation						
3. Timber						
4. Subtotal, Resource Related	XXXXXXXXXX	XXXXXXXXXX		XXXXXXXXXX		
IV. Other Impacts	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX
1.						
2. Subtotal, Other	XXXXXXXXXX	XXXXXXXXXX		XXXXXXXXXX		
V. TOTAL DOLLARS	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX

REMARKS

SUMMARY OF EMERGENCY REHABILITATION NEEDS BY LANDOWNERSHIP
(Reference FSH 2509.13)

Fire Name DIVIDEDate of Report 7/19/89

Landownership	A. Acres Burned	B. Emergency Rehabilitation Needs			
		(1) Land (acres)	(2) Channel (miles)	(3) Road & Trail (miles)	(4) Other
Federal (NFS)	10,025			17	
Other (specify)					
Subtotal (NFS)					
Non-Federal (State & County)					
Indian Reservation					
Private					
Subtotal (Non-Federal)					
TOTAL	10,025			17	

C. Source of Emergency Rehabilitation Funds for Needed Work (\$)

Landownership	1. FFP		2. Emergency Flood Prevention	3. FR & T	4. Other Federal (Enter fund)	5. Non- Federal (Enter fund)	6. Total
	(a) 092 FW22	(b) 102 PF12					
Federal (NFS)	15,300	40,000					
Other (specify)							
Subtotal (NFS)							
Non-Federal (State & County)							
Indian Reservation							
Private							
Subtotal (Non-Federal)							
TOTAL	15,300	40,000					

D. Remarks