

MESSAGE SCAN

TO r.nygaard

CC b.putnam

From: Bert Kulesza

Postmark: 05 Oct 88 9:44

Status: Previously read

Subject: Forwarded: EMERGENCY BURN REHABILITATION REQUEST--CLOVER MIST FIRE

Comments:

From Bert Kulesza:
fyi and files

Previous comments:

From SHIRLEY TANNER:R02A:

APPROVAL OF INTERIM BURNED AREA REPORT FOR CLOVER MIST BURN

-----X-----

TV
II
CYA

United States
Department of
Agriculture

Forest
Service

Rocky
Mountain
Region

11177 W. 8th Avenue
Box 25127
Lakewood, CO 80225-0127

Reply to: 2520/6520

Date: October 4, 1988

Subject: Emergency Burr Rehabilitation Request--Clover Mist Fire

To: Forest Supervisor, Shoshone NF

Your interim Burned Area Report (FS 2500-8) for the Clover Mist burn with a revised total cost of \$1,408,500 is approved. This approval supplements by \$255,000, our previous approval of \$1,153,500 on September 27, 1988. This adjustment basically reflects an increase of \$407,500 for aerial seeding but due to increasing the area to be seeded from 10,000 acres to 23,000 acres, the unit cost is reduced. The amount of Rip-rap work was greatly reduced and some seeding will be done using other P&M funds both of which offset the increased seeding costs. The Shoshone NF will fund the \$15,000 P&M funds for the seeding of non-emergency species.

Use the code NFFF-FW22 when expending these funds. These expenditures, not to exceed the amount of authorization, must be offset at yearend with any unobligated FFP funds. Please provide a final accomplishment report, using the 2500-8 form, 30 days after completing rehabilitation actions.

You should continue to test your actions against the standards outlined in FSM 2523 and FSH 2509.15 to ensure that all expenditures fully meet the intent of the authorities for use of these emergency funds.

We are pleased to note that you have addressed the need for monitoring the rehabilitation work.

/S/ S. H. Hanks (for)

GARY E. CARGILL
Chairman, Greater Yellowstone
Coordinating Committee

cc: O&F, Van Scoyoc w/encl
W01B, Schmidt
WSA:W01B
R01A, Kulesza
WSMAM, Elson

United States
Department of
Agriculture

Forest
Service

Shoshone
National
Forest

Reply to: 2520

Date: September 29, 1988

Subject: Emergency Burned Area Rehab--Shoshone NF

To: Regional Forester

Enclosed is an interim 2500-8, Burned Area Report, for the portion of the Clover Mist Fire which burned on the Shoshone Forest. This revises the figures which were submitted with the initial report, which was approved on September 27. The amounts shown on the interim report include the funding amounts in the initial report.

Please extend our thanks to Chuck Hendricks and Tom Elson for their help during the last three days. They were invaluable to our efforts in finalizing rehab arrangements, seed mixtures, and overall coordination.

/s/ James L. Fischer (for)

J. CRAIG WITTEKIEND
Acting Forest Supervisor

Encl.

USDA-Forest Service

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

>PART I - TYPE OF REQUEST<

1. Type of Report
A. ☒ Funding (Request for estimated FFF funds) B. ☐
2. Type of Action
A. ☐ Initial (estimated funding is first requested)
B. ☒ Interim
 a. ☒ Updating the initial funding request
 b. ☐ Supplying information for accomplishments to date
C. ☐ Final
 a. ☐ Best estimate for funds needed to complete eligible
 b. ☐ Following completion of funded work

>PART II - FIRE LOCATION<

- | | | | | |
|--|--------------------------|---|------------------------------------|-----------------------------------|
| 1. Fire Name (From Form FS-5100-29)
Clover Mist | | 2. Forest Supervisor's Fire No.
(From FS-5100-29)
* WY-YNP 026A | | |
| 5. Region
02 | 6. Forest
Shoshone 14 | 7. Ranger District
Wapiti 04
Clarks Fk. 01 | 8. Date Fire
Started
7/23/88 | 9. Date Fire
Controlled
N/A |
11. Fire Suppression Damages Repaired with FFF 102 Funds
a. 200 miles (firelines waterbarred) b. 350 acres (fireline)

12. Fire Intensity
a. 30 % (low) b. 50 % (medium)

>PART III - NATIONAL FOREST SYSTEM PROBLEM IN

- | | | |
|--|-------------------------------------|---|
| 1. Watershed No.
10080012
10070001/6 | 2. NFS Acres Burned
*
194,000 | 3. Water Repellant Soil
50 % of NFS ac |
|--|-------------------------------------|---|
4. Vegetation Types
Spruce/Fir type and Lodgepole Pine type
5. Geologic Types
Absaroka volcanic s
Pre-cambrian granit
6. Soil Erosion Hazard Rating *
a. 15 % (low) b. 30 % (medium) c. 55 % (high)
8. Miles of Forest Stream Channels By Regional Order or Classes
Order 1 = 275 mi Order 3 = 62 mi
Order 2 = 70 mi Order 4 = 14 mi
10. Miles of Forest Service Roads By Maintenance Levels *
a. 10 miles (Level I) b. 45 miles (Level II) c.

>PART IV - CALCULATED RISK AND CLIMATIC EVAL

1.Estimated Design Recurrence Period (Years) 5 yrs	2.Chance to Success 85
3.Equivalent Design Recurrence Period (Years) 50 year	4.Related Design St 6
5.Related Design Storm Magnitude (Inches) 2.0 in.	6.Related Design Fl 16
7.Estimated Reduction In Infiltration (Percent) 40%	8.Adjusted Related 20

Previous edition of this form is obsolete.

>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.[x] Geology d.[x] Range
g.[] Fire Mgmt. h.[x] Eng. i.[] Contr. j.[x] Local Mgm

(Other: Ecology, Wyoming Fish and Game, Fisheries Biologist

2.Describe Emergency * Wildfire burning high value watersheds and wi
limited opportunity for natural recovery in the short term.

3.Emergency Rehabilitation Object *Reduce on-site erosion and sedime
value fisheries in N Fk Shoshone and Clarks Fk Yellowstone and Buf

4.Probability of Completing Treatment Prior to First Major Damage Pr

a. 90 %(land) b. 100 %(channel) c. _____ %(roads) d. _

5.Net Environmental Quality Benefit Index 6.Net Social Well B

a.[x] Significant b.[] Not Significant a.[x] Significant

7.Benefit/Cost Ratio 8.Net Benefits 9.Cost Effectiveness Ind

* * a.[] I b.[x] II

0.71:1 -\$403,795

>PART VI - ELIGIBLE EMERGENCY REHABILITATION MEASURES OR TREA

Note: Emergency rehabilitation is work done promptly following a watershed problems that existed prior to the wildfire.

Line Items	Units	Unit Cost	NFS LANDS			No. of Units
			No. of Units	FFF 092	Other \$ P&M Identify (6)	
(1) A. LAND	(2)	(3)	(4)	(5)	(6)	(7)
a. Seeding	Acres	24	23M	557,500		
b.	lbs	1.67	414M	690,000	15,000	
c.						
d.						
e.						
(1) B. CHANNELS						
a. Opening water courses	Miles	2000	1	2,000		
b. Stabilizing Streambanks	Miles					
c.						
d. Rip Rap	CY	178	365	65,000		
e.						
(1) C. ROADS & TRAILS						
a. drainage and dbris	miles	790	100	79,000		
b.						
c.						
d.						
e.						
(1) D. MAJOR STRUCTURES						
a. Preplanned - from Forest Plans						
E. TOTAL						

2004
304

AN
AC

55⁰⁰
61.4M

>PART VII - APPROVALS<

1. FOREST SUPERVISOR (Signature) /s/ James L. Fischer (for) J. CRAIG WHITTEKIEND Acting Forest Supervisor	2. DATE 9/27/88	3. REGIONAL /s/ S.H. H /s/ G. E.
--	--------------------	--

2500-8

Clover Mist Fire

9/21/88

NARRATIVE FOR INITIAL REPORT

Selected Alternative for Emergency Burn Rehabilitation was to treat in critical sub-watersheds that had a combination of high value soil resources. Channel treatment (clearing) is limited to clearing in L Administrative site and summer homes to reduce the potential for deb Rap is to protect high value improvements (campgrounds and a bridge) a result of impaired watershed condition. Trail drainage and upslop catchment required to prevent unacceptable damage to investments due condition.

High costs are due to lack of access in remote wilderness areas, lar problems (housing of crews near worksites and/or spike camps), and 1

Economic analysis is extremely conservative at this time; Forest Pla benefit/cost calculations for interim report. Expect that values at benefits will be higher than originally calculated by rehab team, re benefit/cost ratio.

Additional refinement of data and specific needs will be developed f observation and aerial photograph interpretation. FFF 102 project w trails, and abandoned camp areas.

Contacts for questions: Jim Fischer at (307) 527-6241 or Gene B

Would appreciate rapid considerations due to potential of season-end

NARRATIVE CLOVER MIST FIRE REHAB INTERIM REPORT 9/28/88

Revised acreage for seeding based on further site-specific analysis acreage treated from approximately 10,000 acres up to 23,000 acres, cost for application (efficiencies due to economies of scale), but a additional seed purchase which significantly increases the cost of t per pound of seed is \$1.67, with an application rate of about 18 lbs wilderness versus non-wilderness. Seed mixes represent the lowest f required for the elevation, aspect, soil type and site requirements input was required to develop a seed mix with low cost that met the wilderness. List of seed mixes is attached on following page.

Rip Rap job has been scaled back based on additional site-specific a erosion protection work was also slightly scaled back based on furth

Forest has initiated monitoring of rehab work with Forest and Distri funding.

G.Blankenbaker, Rehab Team Leader 9/28/88

Seed Mixes for Aerial Application, Clover Mist
9/28/88

Wilderness:

<u>SPECIES</u>	<u>LBS/AC</u>	<u>\$/LB</u>	<u>\$/ACRE</u>	<u>SE</u>
Agropyron trachycaulum slender wheatgrass	2	5.00	10	7.
Agropyron spicatum bluebunch wheatgrass	2	5.00	10	6.
Poa ampla big bluegrass	1	7.00	7	20.
Bromus marginatus mountain brome	1	2.50	2.50	
Trifolium hybyridum alsike clover	1.5	0.85	1.30	
Secale cereale cereal rye	10	.10		
	<u>17.5</u>		\$31.80	

Non-Wilderness

<u>SPECIES</u>	<u>LBS/AC</u>	<u>\$/LB</u>	<u>\$/ACRE</u>	<u>SE</u>
Agropyron trachycaulum slender wheatgrass	2	5.00	10	7.
Poa pratensis Kentucky bluegrass	.5	2.00	4	25
Phleum pratense timothy	2	1.50	3	60
Bromus inermis smooth brome	1	3.50	3.50	
Festuca ovina var. duriuscula Durar's fescue	1	2.80	2.80	
Secale cereale cereal rye	10	0.10	1	2
Astragalus cicer cicers milkvetch	1	5.65	5.65	
	<u>17.5</u>		<u>26.95</u>	

For information regarding seed mixes (species composition, etc.) con