

Reply to:

2510 Watershed Surveys and Plans

Date: September 22, 1981

Subject:

Kedzie Creek Fire

To: Regional Forester

The Kootenai National Forest Burned-Area Rehabilitation Team was activated for the Kedzie Creek fire. The team consisted of Louis Kuennen, Soil Scientist; Larry Meshew, Hydrologist; Joe Spehar, Forester; Lee Emery, Forester; and Ernie Garcia, Wildlife Biologist. Kedzie Creek is in the headwaters of O'Brien Creek.

Following an on-the-ground survey of the burned area, specifically using fire intensity, it was determined that additional rehabilitation monies were not necessary. Even though 50 percent or more of the duff and litter was totally burned, live roots were in evidence within the top inch of soil. The determination was made that more than 50 percent vegetative cover would exist after two years.

It is therefore concluded that no emergency rehabilitation projects for soil and water projects are necessary.

Erosion control work in the form of waterbarring and seeding firelines is needed, but will be accomplished with those activities related to suppression of fire.

WILLIAM E. MORDEN Forest Supervisor



Detailed instructions for use of this form are in the Burned-Area Emergency Rehabilitation Handbook (FSH 2509.13), Section 41.
Kedzie Creek Accomplishment report Free 2. Accomplishment report
Montana Lincoln District 01 01 Kootenai 9. Ranger District
fire no. 714070 9/14/81 12. Date controlled 13. Estimated suppression 9/17/81 2000 hrs
14. Fire suppression damages repaired with FFF 102 funds 4.5 mi. firelines waterbarred 4.0 acres firelines seeded
15. Fire intensity 49 % low 50 % medium 1% high
NATIONAL FOREST SYSTEM PROPERTY THEFT
NATIONAL FOREST SYSTEM PROBLEM INVENTORY  16. Watershed no. 17. NFS acres burned 18. Water repellant soil 0% of NFS area burned
19. Habitat types Tshe/Clun - 55%, Abla/Xete - 45%
20. Geologic types
wallace Formation of the Belt Supergroup
21. Soil erosion hazard rating 22. Erosion potential 45 % low 55 % med. 0 % high 408 cu. yds./sq. mi. 23. Flood peak potential 20 cu. ft./sec./sq. mi.
24. Miles of stream channels by Regional order or classes  Second order: .7 mile; third order: .2 mile
25. Miles of Forest Service roads and trails by maintenance levels  Omi. level I rds. 1.5 mi. level II rds5 mi. levels III, IV, V rds. mi. trails
mi. levels III, IV, V rds. mi. trails
CLIMATIC DATA
26. Annual precipitation 27. Design storm rainfall during 24 hour period 2.linches 2 yr frequency 3.0 4.1
2. Inches 2 yr. frequency 3.0 inches 10 yr. frequency
28 5 drahas 20 d minute intensity storm
- 72: Izequency of thenes 10 vr. frequency
SUMMARY OF SURVEY AND ANALYSIS  30. Skills represented on burned area survey team (check)
MANUALDIONY INISOTIS   Geology   IPanas   Virginia   Vi
tensity. On fifty percent of the area the humas was durined at low and moderate in-
The second condition of the me all the more than all noncont vegetations
recovery within a two-year period.
32. Emergency rehabilitation objective
33 Pargonnal made 2
33. Personnel needs for rehabilitation project on NFS lands man-years reassigned for \$ man-years new hires for \$
34. Probability of completing treatment prior to first major damage-producing storm  Land % Channel % Posts %
Land % Channel % Roads % Other %
33. Net environmental quality henefit index 126 y
Significant Not Significant Significant Not Significant
The contract (charter cite)
date Regional Forester approval & date Data funcing
approved in WO
$\frac{1}{T2500-8}$ $\frac{1}{(7/78)}$

Fire Name

BURNED AREA REPORT

Date of Report

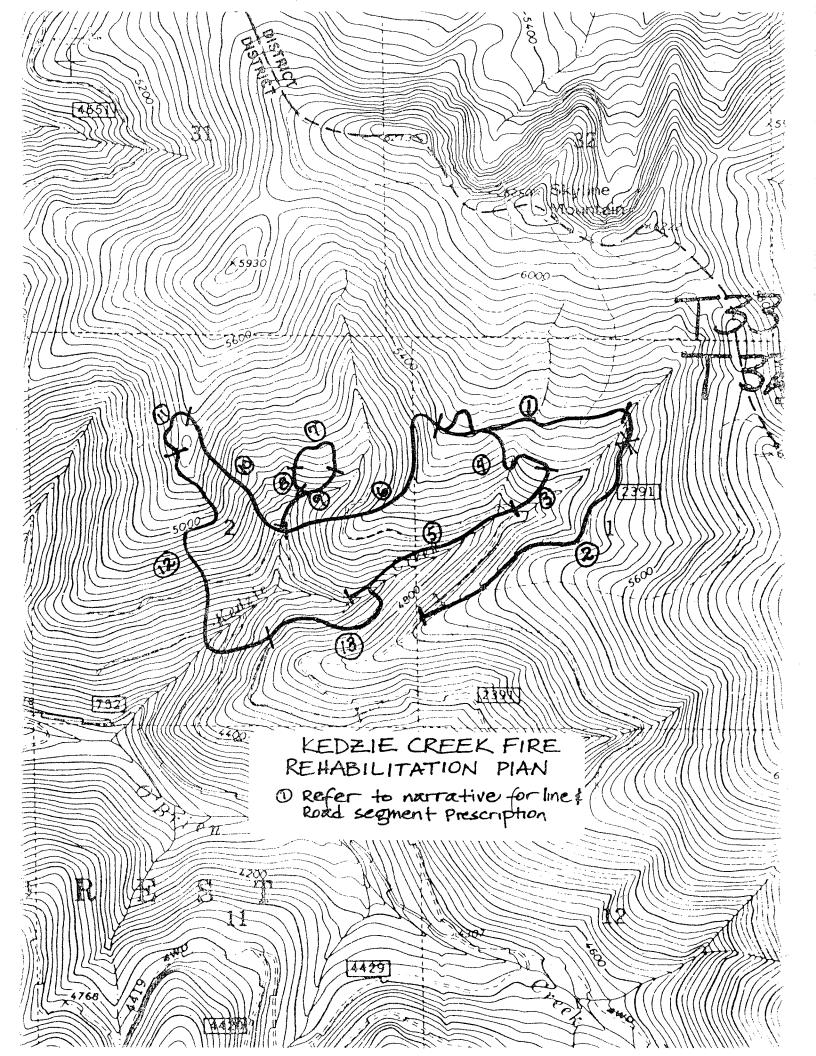
ON-SITE AND OFF-SITE DEVELOPMENTS SUBJECT TO HAZARDS FROM FLOODS, FLOATING DEBRIS, EROSION, OR SEDIMENT BECAUSE A WATERSHED IS IMPAIRED BY WILDFIRE. (Do not include

value of resources damaged or destroyed by the fire as reported on Form 5100-29.)		
	No. of units	Estimated value (dollars)
40. Community and urban development	people	
41. Municipal and domestic water supply	paople served	\$250,000
42. Transportation systems	miles	
43. Water distribution systems (irrigation)	miles	
44. Agricultural development (crops, facilities)	acres	
45. Industrial development (dams, power, manufacturing)	number	
46. Power and communication lines	miles	
47. Recreation development	PAOT	
48. Fish habitat	miles	
49. Other (specify)		· .

NARRATIVE (Optional. May be left out or expanded on additional sheets as needed.)

storm. Does not enter into the R/C.)

TOTAL HAZARD POTENTIAL (Indicates values threatened by design



## LINE / ROAD SEEMENT WORK NEEDED

a PULL FILL MATERIAL OUT OF PRHINAGE CROSSINGS

b. WATERBAK Sherry & Lose Leady

c. SEED & Fertilize

d. SPOT FIRE TIRECOR LINE -PHIL DEBRIE THE SOIL EACH INTO LINE on east flank. Do only if line is "cold". Water bar remainder of line.

a. WATER BAR EDSEY 150-200' OR UTILIZE NOTURAL GARANS WHEN POSSILLE

> b. RECLOSE ROAL AT & NERR DID LANDING. NO

a. Use logs to waterbar EVERY 12 1946 OR BEERK OFFINE LINE FOR CONTINUENTS POINTS

b. SEED & Fertilize

3.

4.

Same as 3; but only on sleep segment of line.

4.

a. WATER BOOK EVERY 1300'- 250'
TAKE ADUNITIHEE OF INSTURMAL
BREAKS

b. REMOVE BERM - seed + fertilize

6,

WATERBAR EVERY 40-50' (LOG OR CUT) - TAKE ALVENTED OF NATURAL BREAKE - TOSEEL

7.

OF MEANDERS YOU THERE AND THE STATE

BREAK INTO STEET IN THE (12%)

8.

use waterpars to be meaning slope

Old skid trail from Espur along stream and bottom or a: Water bar every 130' and for taking advantage of the on point of present south line crossing. b. Remove debris that was piled over ... Stream at lower crossing c. Seed + fertilize. No fortilizer last 100' before stream. To disperse flow diPlace slash and organic debris on and increase in filtration fireline on steep segment above stream crossing. a. Waterbar using natural 10. making sure logs where making sure logs one in b. Seed, and fertilize 1/. a. Water bar SIT line The word on top of ridge. Will per any done with hand arene.

b. Seed + fertilize

a. Weter bar taking advantages of natural breaks but no more greater than 50%, cy is sermen or sermen or sermen or b. Seed + fortiline

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L. H. M.

WATER BARS Roads & Fire Line (Doz.,) TOHVIEW DOWNGLOPE -> 30-459 With Perpendicular OPEN OUTLET SIDE VIEW DOWHSLOPE - 3 Road Cut in Surface Compacted Soil . 2. Hond Line x - Water Kor Sites o. Use Lojs if neces or at less! 2 fer? C. Angle 36-45" and h perpolicular PROFILE d. OR -- TAKE ADULNTACE AF NATURAL BREAKS IF WATER CAN BE DIVERTED OVER SLOPE.

\* WATER BAR LOCATIONS