| tailed instructions for us | se of this form are | in the burned- | riea mergene; |
|---|---------------------------|--|--|
| habilitation Handbook (FSI | | | Final 3. Date of report |
| Fire name 2. Req Bridge Creek Acc | -11shment report | | Other 7/28/79 |
| Bridge Creek Acc State 5. County 6. | Congressional 7 | TEFTON - | |
| Oregon Deschutes | District 2 | 06 Des | chutes Bend |
| . Supervisor 11. Date f | ire started 12. 14 | ate controlled | 13. Estimated suppression cost \$1,600,000 |
| | | | |
| Fire suppression damage 13 mi. firelines wat | s repaired with in | res firelines s | eeded |
| . Fire intensity | ELDELICA | | • |
| 87 low 257 me | dium 67 % hi | gh | |
| | | | 2 Y |
| | NAL FOREST SYSTEM | 18. Water rep | ellant soil |
| | S acres burned | 90% of_ | NFS area burned |
| 04101 002 | 560 ss_CL=G4=11CL=G4=1 | 2 CI = G3 = 14 CP = | S3-12, CW-S1-15, CW-C9-11, |
| Lodgepole pine, Ponderos | a Pine, Mixed Conife | r, Engleman Spru | ice. |
| Caningic types | | | j , |
| Andesite | & Pumice & Ash Soils | erential 12 | 3. Flood peak potential |
| . Soil erosion hazard rat | ing 22. Frosion P | | 13.7cu. ft./sec./so. mi. |
| 33 % low 33 % med. 34 % low 33 % med. 34 % low 33 % med. 34 % low channel | s by Regional orde | r or classes | • |
| | | | |
| | i and tracile | by maintenance | Levels |
| 0 mi. level I rds. 2.0 m | i. level II rds. 7. | Omi. levels II | I, IV. V rds.2.0 mi. trails |
| | | NATA . | · |
| density and a section | | esinfall during | 24 hour period |
| Annual precipitation 40 inches | 2 Ninches 2 VI. | frequency 3 | O modes to it. treatment |
| Annual runoff | 129. Maximum 30 mir | mite intensity s | 6 inches 10 vr. fraguency |
| 29 inches | .3 inches 2 yr. | frequency | O THERES IN ALL TERRETOR |
| | SUMMARY OF SURVEY | AND ANALYSIS | |
|). Skills represented on l | | (anaair) | |
| CETENATOLOGY IVISOILS | A Georogy Wyange | 6) 1 m 01 m | ildlife |
| - GET | crine X Local Mar | nagement LLR | search Mouner |
| | | | addition to the \$11/,000 |
| which was approved in W.O. | on 7/31/79 (approve | ed by Forest on | 7/29/79 and Regional Forester |
| on 7/30/79). | | • | |
| 2. Emergency rehabilitati | on objective Grass | seeding costs we | re underestimated. \$20/acre |
| | | | |
| rather than \$10/acre, is r these acres (in City of Be | end Watershed), an a | dditional \$40/ac | re is needed to seed |
| 1 . 1 | | | |
| . Personnel needs for re | madilitation proje | man-years | new hires for \$ 0 |
| man-years reassigned 4. Probability of complet | THE CLESTMENT DITE | r to first majo | r damage-producing storm |
| 4. Probability of Complete | 1 75 % Roads | 75 % Othe | r 75 % |
| Net environmental qual | ity benefit index | 36. Net social | wellbeing benefit incex icant Not Significant |
| XXSignificant LN | ot Significant | Signif | riveness index (chack che) |
| 7. Denefit/cost ratio | Net benefits \$1,110 | । <i>स्</i> चि⊤ | TITT IIII IIV i |
| 1.01 9. Forest Supervisor appr | PI,IIV | al Forester app | roval & date Data funding |
| | | 7/20/70 | spproved_in_wo |
| /s/ Art DuFault, Acting F. | S. $7/29/79 \mid /s/I$ | OHMorton 7/30/79 | T 2500-3 (7/78) |
| | - | CNW | 12300-0 (1110) |
| /s/ RTMeurisse for ACEllso | ц 7/30/19 | | • |
| | | | A CONTRACTOR OF THE CONTRACTOR |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 1 Annual Control of the Control of t | |
| | | | |

| tailed instructions for use of this form are in the surned-area mergency |
|--|
| nabilitation Handbook (FSH 2509.13), Section 41. |
| rabilitation Handbook (FSH 2509.13), Section 41. Fire name 2. Request |
| Fire name 2. Request |
| Bridge Creek Accomplishment report 1 5: 10 Met 772077 State 5. County 6. Congressional 7. Region 8. Forest 9. Ranger District Deschutes Bend Bend |
| State 5. County 6. Constessioner Perchutes Rend . |
| Oregon Deschutes District 2 06 Deschutes Bend Oregon Deschutes District 2 06 Deschutes Deschutes District 2 06 Desch |
| Company of the Date State State of the State |
| 7/28/79 7/28/79 665€ \$1,600,000 |
| to the first total state of the first total st |
| Fire suppression damages repaired with its formation of the suppression |
| 13 =1. firelines waterbarred 55 total |
| Fire intensity |
| 87 low 25% medium 67% high |
| |
| NATIONAL FOREST SYSTEM PROBLEM INVENTORY |
| TIX WALES TOUCH |
| |
| 64101-002 2560 90 02 NO CW-S1-15 CW-C9-11. |
| |
| Lodgepole pine, Ponderosa Pine, Mixed Conifer, Engleman Spruce. |
| ronkenote bine tource and |
| . Geologic types Andesite & Pumice & Ash Soils |
| loo Province potential 123. Fibod peak potential |
| |
| |
| 33 Z low 33 Z med. 34 Z high i Sood Later or classes Miles of stream channels by Regional order or classes |
| T 1 /4 II 3.2 III 0.6 |
| 1 1.7 12 22 CONTRACTOR OF THE PROPERTY OF THE |
| . Miles of Forest Service 13 and IT rds 7 0 mi levels III. IV. V rds. 2.0 mi. trails |
| . Miles of Forest Service roads and trails by maintenance 15. O mi. level I rds. 2.0 mi. level II rds. 7.0 mi. levels III. IV. V rds. 2.0 mi. trails |
| |
| CLIMATIC DATA |
| Armial precipitation 27. Design storm rainfall during 24 hour period |
| o conches ? or frequency 3.0 menes to var areas |
| TO . THE STORY |
| · + |
| 29 inches .3 inches 2 yr. Frequency .0 |
| |
| SUMMARY OF SURVEY AND ANALYSIS |
| . Skills represented on burned area survey team (check) Skills represented on burned area survey team (check) Fire Management |
| Skills represented on burned area survey team (check) [X] Eydrology [X] Soils [X] Geology [X] Range [X] Timber [X] Wildlife [X] Other [X] Eydrology [X] Soils [X] Local Management [X] Research [X] Other |
| X Eydrology X Soils X Geology Management Research X Other |
| |
| Engineering K Contracting W 2002 Services on 7/29/79 and Regional Forester 2/21/79 (correspond by Forest on 7/29/79 and Regional Forester |
| . Description on 7/31/79 (approved by Forest on 7/29/79 and Regional Forester |
| . Describe emergency \$30,320 of 094 money is requested, in addition of the Regional Forester which was approved in W.O. on 7/31/79 (approved by Forest on 7/29/79 and Regional Forester |
| on $7/30/79$). |
| \$20/acre |
| Emergency rehabilitation objective Grass seeding costs were and 1600 acres. On 358 of |
| rather than \$10/acre, is needed for helicopter seeding of grass on 1600 acres. On 358 of |
| rather than \$10/acre, is needed for helicopter seeding of 3-2-2 these acres (in City of Bend Watershed), an additional \$40/acre is needed to seed |
| |
| perennial grass by hand. |
| Personnel needs for renabilitation project annuals new hires for S 0 |
| man-years reassigned for \$ 4,000 man-years new hires tol 3 o |
| Probability of completing treatment prior |
| Tand 75% Channel 75% Roads 75% Other 75% |
| Land 154 Chimilton's handfit index 136. Net social wellbeing Senerit index |
| . Het environmental quality benefit inch. Significant Not Significant |
| integrated into significant |
| Finafic/cost ratio Net Denelits Joseph City City |
| s1,110 XXI III III IIV |
| 1.01 Gara [Regional Forester approval & date Data funcing |
| approved in wo |
| // Ant DuFoult Acting F.S. 7/29/79 /s/ DHMorton 7/30/79 |
| /s/ Art DuFault, Acting F.S. 7/29/79 /s/ DHMorton 7/30//9 1-)/3//77 T2500-3 (/7/78) |
| |
| // PTM(curiese for ACE11son 7/30/79 CNW |

). Other (specify)

TOTAL HAZARD POTENTIAL (Indicates values threatened by design storm. Does not enter into the R/C.)

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

1/ Present value of loss, based on 10 year natural recovery rate. WRC interest rate of 6.875% used.

2/ Book value and/or replacement cost.

\$25,017,146

Fire Name

Date of Report

)

SUMMARY OF EMERGENCY REHABILITATION NEEDS BY LAND OWNERSHIP

| | 51. Eme | Emergency rehabilitation | ehabilit da | ation | Source of emergency rehabilitation funds for needed work (dollars) | f emerge | incy reh | abilitati (dollare) | ton funds) | a for nec | ded work |
|-----------------|-----------------|--------------------------|-------------------------|-----------------|--|----------|----------|------------------------|----------------------------|---------------------------|-----------|
| | | | pood | | 52. FFF | ŝe. | 53. | . 4.5 | 23 | 56. | 57. |
| orres burned | Land (acres) | Channel (miles) | and Trail (miles) | Other (each) | 094 | 102 | 216 | FRGT | Other Federal (name) | Non- Federnl (name) | Total |
| 1 1 | 1660 | 3.6 | .01 | ٦ | 147,920 | 1419 | | | | | 149,339 |
| | | | | | | | | | | | |
| i i | 1660 | 3.6 | .01 | Ţ | 147,920 | 1419 | | | | | \$149,339 |
| | | | | | | | | | | | |
| | | | | | | | | - | | | • |
| 1860 | 252 | | | | | | · | | | 8316 | 8316 |
| 1860 | .252 | | | | | | | | | \$8316 | \$8316 |
| | 4420. 1912 | 3.6 | .01 | H | \$147,920 | \$1419 | - | | | \$8316 | \$157,655 |
| ١. | | | | | | | | | | | • |

T 2500-8 (7/78)

Date of Report

ELIGIBLE ENERGENCY REHABILITATION NEASURES OR TREATMENTS AND SOURCE OF FUNDS (Emergency rehabilitation is work done promptly following a wildfire and (Emergency rehabilitation problems that existed prior to the wildfire.)

| (Energency r | ehzbil | itation | is wor | k done p | n omic pages and the second of | ibilon. | to the W | ildfire. | |
|---|-------------|----------|-------------|---------------------|--|----------|--|-------------------------|-------------------------|
| (Emergency r is not to s | olve wa | rershe | ig Diobi | ens that S Lands | existed | 0- | her Tand | s | Total |
| · | Units | | No. of | FFF 094 dollars | Other | No. 05 | Federal dollars (Name) | Non-Fed. dollars (Name) | collars all lands |
| 58. <u>LAND</u> | 3/ Acres | 33 29 | 1600 | 46,320 | | 240 | Bro | oks 7920 | 7920 46,320 |
| Seeding | ACTES | | 1000 | | | | | | 30,400 |
| Fertilizer | Acres | 32 | 950 | 30,400 | | | | | 3600 |
| Riparian Plants | Acres | 720 | 5 | 3600 | • | | | | |
| Snag Terracing | Acres | 345 | 29 | 10,000 | | | | Brooks | 10,000 |
| Fireline Seeding | Acres | 33 | . 43 | | FF 1419 | 12 | | 396 | 1815 |
| 59. CHANNELS Opening water courses 1/ | Miles | 3.6 | 4028 | 14,500 | | | | | 14,500 |
| Stabilizing streambanks | Miles | | | | | | | | |
| 2/ | (Miles | | (0.5) 29 | 47,000 | | • | | | 47.000 |
| Bridge Greek Bhags | | · · | - | | | | | | |
| | | | | | | | | | |
| 60. ROADS TRAILS | | | | 1200 | | | | | 1200 |
| Log or rock crib | Feet | . 2 | 600 | 1200 | 1 | - | | | /200 |
| Puncheon | Feet | 30 | 140 | 4200 | | - | | | 4200 |
| | Bridge | | | 700 | | <u> </u> | | | 700 |
| | | | | | | | | - | |
| | | | | | <u> </u> | | | 1 | · |
| 61. MAJOR STRUCTURES Preplanned from Forest Plans | Each | | | - | | | | <u> </u> . | |
| 111011101111111111111111111111111111111 | | TO | TAL | * 147,920 | 1419 | | | 8316 | 157,655 |

 $[\]underline{1}$ / Includes felling of occasional snags likely to fall into streams.

²/ Felling & yarding of snags in Bridge Creek above City intake in snag terracing area.

^{3/ 1242} acres @ \$20/acre 358 acres @ \$60/acre (in City watershed)

^{* \$117,600} allocated earlier, balance needed is \$30,320.

62.

. Date of Report

EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM

EXPECTED DAMAGE REDUCTION BENEFIT SURMARY at current Water Resources Council interest rate of 6.875percent

| at current water | | | Da=28 | e expected | | |
|--|------------------|-------------|------------------|-------------|-----------|------------------------|
| | } | Without to | | With trea | tment | Expected |
| Economic benefit indices | Units of measure | No. of mits | Present value \$ | No. of mits | Present | \$ damage reduction |
| WATERSHED IMPACTS SEDIMENTS Downstream water storage | n/A | | | | | |
| Sediment removal | Cu. Yards | 29,372 | \$117,488 | 24,024 | \$96.096 | \$21,392 |
| Fish habitat (6 miles) | RVD | 2,834 | \$30,607 | 2411.5 | \$26,044 | \$4,563 |
| Water quality | N/A | | | | | |
| FLOOD WATER Land | N/A | | | | | |
| Improvements | Structures | . 27 | \$133,350 | 27 | \$49,350 | \$84,000 |
| Subtotal watershed | | | \$281,445 | | \$171,490 | \$109,955 |
| RESOURCE RELATED IMPACTS Range | n/A | | | | | |
| Wildlife and recreation | RVD | 5,292 | \$132,300 | 3729 | \$93,225 | \$39,075 |
| Timber | N/A | | | | | |
| Subtotal resource related | | | | | | |
| OTHER IMPACTS | · N/A | | | | , | |
| | N/A | | | | · | |
| Subtotal other | | | | | | |
| Total dollars . | | | \$413,745 | | \$264,715 | \$149,030 |

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·::· •

Date of Report

EXAMINING IMPACTS OF MANAGEMENT ALTERNATIVES FOR AN EMERGENCY PROGRAM

| | FNVTRO | NVTNTAL | QUALITY BE | ENEFII IN | DEX | | |
|--|--------------|---------|---|-----------|----------|------------------|-----------------|
| 63. (Table 4) | Weight | Without | treatment | With tr | eattent | Differ Actual | weighted |
| ENVIRONMENTAL CRITERIA | 1 11 1 1 1 1 | Actual | Weighted | Actual | Weighted | actual . | T C A LII C C C |
| and codiment | 10 | 2 | 20 | 1 | 10 | 1 | 10 |
| Erosion and sediment | 8 | 2 | 16 | 1 | 8 | 1 | 8 |
| Aesthetic land quality | 10 | 2 | 20 | 1 | 10 | 1 | 10 |
| Water quality | 5 | 1 | 5 | 0.5 | 2.5 | 0.5 | 2.5 |
| Site productivity | 4 | | | | | | |
| Wildlife habitat | - 5 | 2 | 10 | 1 | 5 | 1 . | 5 |
| Fish habitat | | | | | 4 | | |
| Other | N/A 42 | | 71 | | 35.5 | | 35.5 |
| TOTAL | 42 | | 1.69 | | 0.845 | | 0.84 |
| Average weighted index Net environmental | | | | | | | 0.84 |
| cuality benefit index | :::::: | } | • | | | | |

| 64. (Table 5) | SOC | | BEING BEN | | X | Differe | ance |
|-------------------------------------|------------------|---|-----------------------|--------|---------------------|---------|-----------|
| SOCIAL CRITERIA | Weight Factor | | treatment Weighted | Actual | eatment Weighted | Actual | Weighted |
| | 10 | 2 | 20 | 1 | 10 | . 1 | 10. |
| Life, health, safety | 5 | · | | | | | |
| Employment Recreational | .5 | 1 | 5 | | | 1 | 5 . |
| opportunity Economic stability | 1 | 1 | 1 | | | 11 | - 1 |
| Income distribution | 1 | | | | | | |
| Preserve special sites | 1 | | | | | | |
| Other Political | 10 | 2 | 20 | | | 2 | 30 |
| TOTAL | 33 | | 46 | | 10 | | 36 |
| | | | 1.394 | | 0.333 | | 1.091 |
| Average weighted index | | | | | | | 1.091 |
| Net social well-being benefit index | | 4 | | | 1 | т 2500- | -£ (7/78) |

T 2500-8 (7/78)