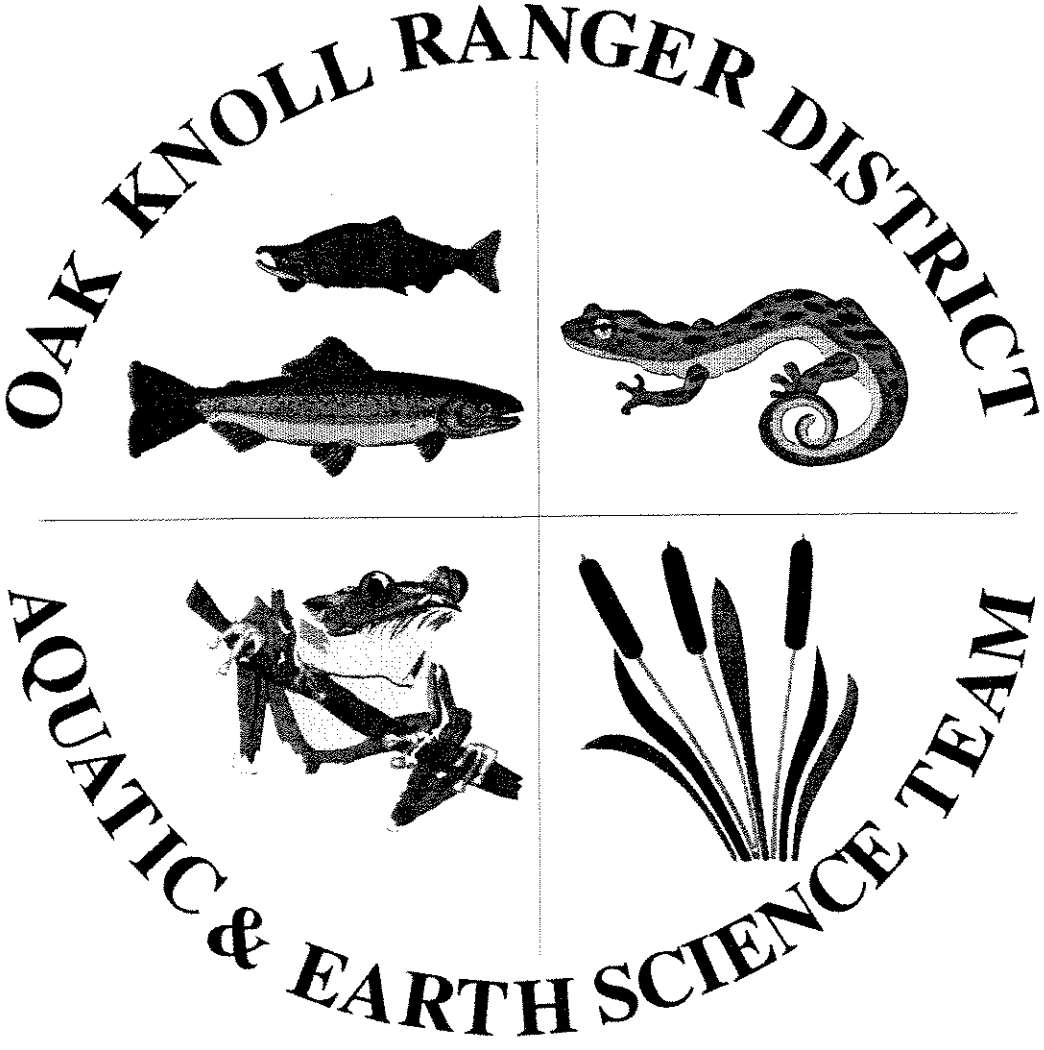
HORSE CREEK RESTORATION PROJECT

Project #94-HR-10
1994-95

FINAL REPORT



KLAMATH NATIONAL FOREST

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Forest Service
Klamath National Forest
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File Code: 2630

Date: 14 June 1995

Ronald A. Iverson
Project Leader
U.S. Department of the Interior
Fish and Wildlife Service
P.O. Box 1006
Yreka, CA 96097

Dear Ron:

This letter is to document completion of Interagency Agreement #14-48-001-94539, Project # 94-HR-10, Horse Creek Restoration Project. The contract specified a target of five W.I.N. sites rehabilitated. We exceeded that target by three sites due to the contributions of personnel from the Siskiyou Training and Employment Program (STEP) and the California Youth Conservation Corps (YCC). This addition to our labor force allowed us to achieve an improved level of efficiency on the project and hence improve outputs.

The following sites were accomplished:

H11-0707, slide stabilization by rock armoring the slide toe and constructing a log structure to deflect the current away from the sensitive slide toe area.

MH-10-R, slide stabilization by rock armoring the slide toe and constructing a log structure to deflect the current away from the sensitive slide toe area.

RB-18-R, cut bank seeding with native grass to arrest rill and ravel erosion.

MC-1-R, stabilized fill slope by rock armoring, installation of dissipators below gully and a water bar on the road above the gully to divert run-off away from the problem area.

EF-6-R, gully stabilization by installing rock armor, installing dissipators below gully, an armored rolling dip at the stream crossing and rock rip-rap on the upstream side of the stream crossing.

EF-4-R. gully stabilized by rock armor and rip-rap, installing dissipators below stream crossing and two check dams to control head cutting and down cutting of the gully.

RB-19-R, road fill excavated from abandoned stream crossing, stream banks returned to original contour.

RB-20-R, six failed waterbars reconstructed to protect intermittent stream course and stabilize extensive gully system in abandoned road bed.

RB-16-R, stabilize large road fill failure and gully erosion by installing waterbars above and a rolling dip at the stream crossing, rock armoring the fill slope and constructing brush check dams below the failure.

Included with this report are photographs of some of the project sites.

As you are aware, the severe fire season of 1994 made it impossible to successfully complete this contract within the time frame that was agreed upon. I would like to take this opportunity to sincerely thank you for granting us the extension that allowed our crews to produce the quality work that this type of project requires.

If you need any further information regarding this contract please contact Stephen A. Fox here at the District Office (916) 465-2241.

Sincerely,

Jan A. Ford

JAN A. FORD
District Ranger

HORSE CREEK RESTORATION PROJECT
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#MH10R

Slide stabilized by constructing wing diverter to protect toe zone from scouring.

#MH10R

Standing on slide looking down.

Photos 5/17/95
E.Miller

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#EF6R Upstream

Gully stabilization-installation of rolling dip, rock armouring fill slope and culvert outlet and dissipators in gully.

#EF6R Downstream

Photos 5/17/95
E.Miller

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Rock Armouring Fill Slope

#EF4R

Gully erosion stabilized by constructing a drain dip, spot rocking road surface, rock armouring fill slope, installing dissipators and two log reinforced check dams.

Lower Check Dam

Photos 5/17/95
E.Miller

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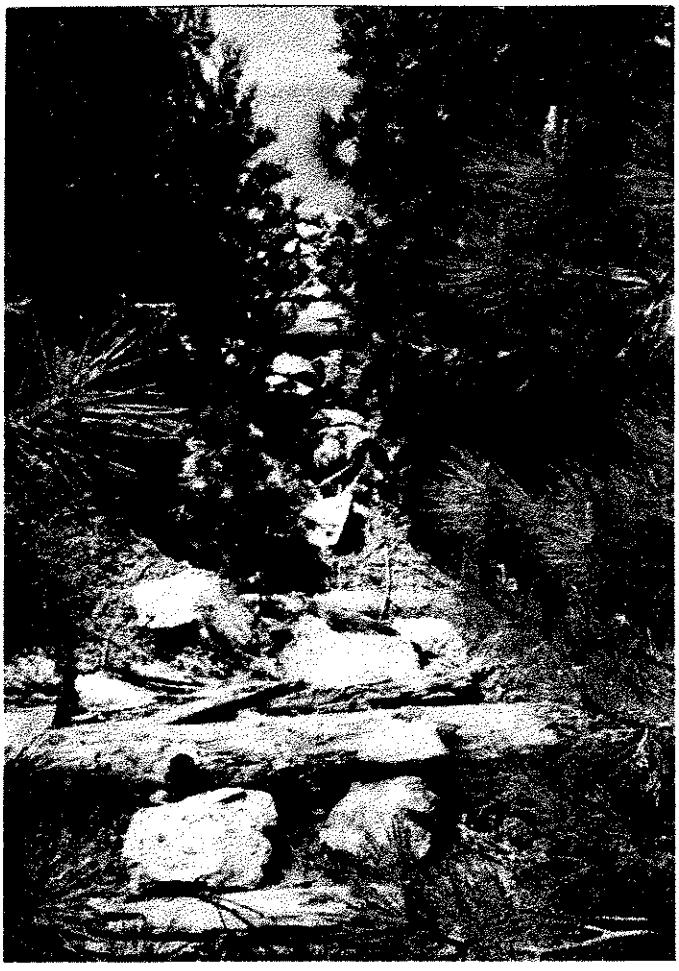
Rock Armour and Disipators

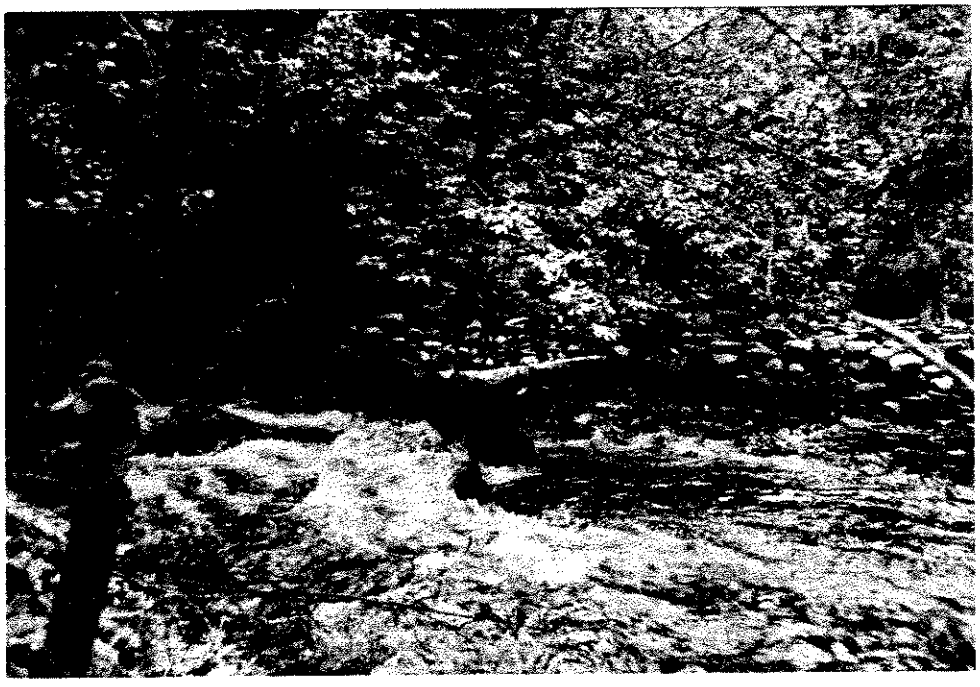


#MC1R

Gully erosion on fill slope stabilized by constructing rock armour fill and installing dissipators.

#H11-0707

Slide stabilized with rock armour and diverter.



Rock Armour & Diverter Wing

Photos 5/17/95
E.Miller