

**Bonneville Power Administration
Fish and Wildlife Program FY98 Watershed Proposal Form**

Section 1. General administrative information

Title **Hydrologically Close 75 M. Of Roads In The Bear And Trout Creek Watersheds.**

Bonneville project number, if an ongoing project 8043

Business name of agency, institution or organization requesting funding
U.S.D.A. Forest Service, Ochoco National Forest, Prineville Ranger District

Business acronym (if appropriate) U.S.F.S.

Proposal contact person or principal investigator:

Name Monte Kuk
Mailing Address P.O. Box 490
City, ST Zip Prineville, OR 97754
Phone (541) 416-6500
Fax (541) 416-6695
Email address _____

Subcontractors.

Organization	Mailing Address	City, ST Zip	Contact Name

NPPC Program Measure Number(s) which this project addresses.

NMFS Biological Opinion Number(s) which this project addresses.
Trout Creek BPA agreement

Other planning document references.

Subbasin.

Short description.

Reduce sedimentation input from roads by removing culverts, water-barring, and ripping roads.

Section 2. Key words

Mark	Programmatic Categories	Mark	Activities	Mark	Project Types
X	Anadromous fish		Construction	X	Watershed
	Resident fish		O & M		Biodiversity/genetics
+	Wildlife		Production		Population dynamics
	Oceans/estuaries		Research	+	Ecosystems
	Climate		Monitoring/eval.	+	Flow/survival
	Other	X	Resource mgmt		Fish disease
			Planning/admin.		Supplementation
			Enforcement	+	Wildlife habitat enhancement/restoration
			Acquisitions		

Other keywords.

Sedimentation, filtration

Section 3. Relationships to other Bonneville projects

Project #	Project title/description	Nature of relationship

Section 4. Objectives, tasks and schedules

Objectives and tasks

Obj 1,2,3	Objective	Task a,b,c	Task
1	Reduce sedimentation	a	Reduce run off
		1	Plant vegetation on ripped roads
		2	Increase amount of water barring
		b	Prevent head cutting potential
		1	Remove culverts
		2	Reduce run off

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Objective schedules and costs

Objective #	Start Date mm/yyyy	End Date mm/yyyy	Cost %
1	5/1998	9/2000	99.00%
			TOTAL 0.00%

Schedule constraints.

Collection of native seed to seed ripped locations, funding will need to be in by 06/98 to put together seed collection contract.

Completion date.

2000

Section 5. Budget

FY99 budget by line item

Item	Note	FY98
Personnel	Contract administration costs	\$5,000
Fringe benefits		
Supplies, materials, non-expendable property	Seed collection, and closure signs	\$10,000
Operations & maintenance	Contract dozer costs	\$5,000
Capital acquisitions or improvements (e.g. land, buildings, major equip.)		
PIT tags	# of tags:	
Travel		
Indirect costs		
Subcontracts		
Other		
TOTAL		\$ 0

Outyear costs

Outyear costs	FY99	FY00	FY01	FY02
Total budget	\$10,000			

O&M as % of total				
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Section 6. Abstract

The goals of this project are to reduce sediment input into Trout and Bear creek and their subsiderary drainages from roads. Closing roads and improving the drainage on these closures was specified as the highest priority need in the Trout and Bear creek watersheds to improve fisheries and water quality issues in these watersheds. Closures will also improve the habitat security for wildlife species. Closures will recontour roads, rip, seed, replant large trees, put in cross drainage, and remove culverts where needed. The contract work will be written in 1998 for seed collection and dozer services. In the fall of 1999 through 2000 the actual closure work will be completed. Local native seed will be used in a mix with regreen (sterile grain crop). Results will be monitored with two ISCO water monitoring stations and through visual checks yearly.

Section 7. Project description

a. Technical and/or scientific background.

In 1997 the District used RMEF monies, the OR National Guard, and watershed restoration dollars to close and repair some 40 miles of roads in this manner. Mitigation measures include the installation of straw bails with filter cloth over them, and seeding with regreen and a native seed mix.

b. Proposal objectives.

The oboctives of this project are to effectively reduce the amount of open road density and increase the acres of land base in a state of compaction. Road closures will reduce the compaction and increase filtration. This will reduce the speed that water flows into the streams and thus reduce it's bank destabilizing potential. Culverts that are pulled will elimiate the potential for them to plug and have large inputs of road fill increase sedimentation to the streams. This projects objectives will be measured based on the acreage of compaction reduced, miles of road closed, number of culverts removed, and the effectiveness of the closures. A completion report will be completed with pictures and summaries of the project completion activities.

c. Rationale and significance to Regional Programs.

The Trout and Bear Creek timber sales that resulted from the watershed analysis were of great interest to Oregon Trout and the Fish and Wildlife foundation. One of the key issues revolved around the Districts ability to complete the road closure mitigations. The Trout Creek timber sale was reviewed by the OR Govenors scientific panel and is being monitored closely by District personnel and othe agencies to test our ability to harvest

timber and complete the mitigation measures in a manner that has minimal short term impacts and long term benefits.

d. Project history

The need for hydrologic road closures was indicated in 1992 during a Forest Health review of these two watersheds. The resultant timber required these actions as mitigation measures. In 1996 the District hydrologically closed 40 miles of roads in these watersheds. This was a major change from past management. Formerly roads were closed with little regard to the long term potential of even closed roads to effect the sediment input in a watershed. Effectiveness of these closures will be more fully known in the spring of 1998.

e. Methods.

NEPA for this project has been completed. The District plans to write a seed collection contract to replace existing amounts of native seed in a seed bank for seeding, purchase regreen, write a contract for the excavator and dozer services, and complete a report of the project with accomplishments.

The District expects some short term sediment increase due to the ripping of the roads. Timing of the closures and other mitigation measures will be taken to limit the amount. The two ISCO water monitoring stations should show if there is a short term increase in sedimentation and if there is a long term benefit.

f. Facilities and equipment.

The Ochoco National Forest has a very efficient and capable contracting department that has dealt with contracts of this nature numerous times in the past. No other true facilities will be necessary. All seed bank storage is done in conjunction with the Bend Nursery.

g. References.

Prineville Ranger District ID team. 1994 Bear Creek Preliminary Watershed Analysis, on file at the Prineville Ranger District, P.O. Box 490, Prineville, OR 97754 (541) 416-6500. Jerry Cordova - contact..

Prineville Ranger District ID team. 1995 Trout Creek Watershed Analysis, on file at the Prineville Ranger District, P.O. Box 490, Prineville, OR 97754 (541) 416-6500. Jerry Cordova - contact

Section 8. Relationships to other projects

See earlier discussions.

Section 9. Key personnel

Program manager: Monte Kuk will coordinate contract work and field implementation of the project. Wildlife biologist for the Forest Service for 11 years with a B.S. in wildlife biology.

Jerry Cordova will provide technical support for project design of closures and recontouring efforts. Fisheries biologist for the Forest Service for 10 years with a B.S. and M.S. in fisheries science.

Jim Seymour will provide technical support for monitoring of the ISCO water quality monitoring devices. Hydrologist for the Forest Service for 15 years. B.S. in hydrology.

Section 10. Information/technology transfer

A completion report will be completed along with monitoring report. These reports will be submitted to the associated partners and will be incorporated into a monitoring package for the Trout Creek Timber sale that is being distributed to ODF&W, F&WS, OR Trout, and a number of other groups.