

# GRANDE RONDE MODEL WATERSHED - ADMIN/IMPL./RESEARCH

9202601

## SHORT DESCRIPTION:

Coordinate, plan, and implement habitat restoration in T&E chinook and steelhead streams: build community-wide participation in watershed restoration among the diverse interests of the Grande Ronde basin; develop innovative ideas in watershed planning; conduct seminars for stakeholders; facilitate interagency coordination/cooperation in habitat restoration.

## SPONSOR/CONTRACTOR: N/A

Union County; Wallowa County; USFS-PNW Research Station,  
La Grande

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## SUB-CONTRACTORS:

Eastern Oregon State College

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## GOALS

### GENERAL:

Supports a healthy Columbia basin, Maintains biological diversity, Maintains genetic integrity, Increases run sizes or populations, Provides needed habitat protection, Adaptive management (research or M&E), Program coordination or planning, Education

### WATERSHED:

Assessment/action plan development, Coordination, Implementation, Research, M&E

### NPPC PROGRAM MEASURE:

7.0 (7.0B.1, 7.6, 7.6C, 7.6D, 7.7B.2-3, 7.8A.4-5)

### RELATION TO MEASURE:

An ecosystem approach to species recovery requires close coordination of habitat and production measures. The Council calls for a "model watersheds" program; the Grande Ronde Model Watershed is the "model" for the State of Oregon. The model watershed program brings relevant interests together to address the needs of weak fish populations in the Grande Ronde basin. A total watershed perspective, in which fish needs, land and water conditions, and local, private and government initiatives are viewed together, will play an essential role in the ultimate success of efforts to rebuild salmon and steelhead runs.

### OTHER PLANNING DOCUMENTS:

Endangered Species Act Requirements as described in the National Marine Fisheries Service Snake River Salmon Recovery Plan (NMFS 1995, U.S. Dept. of Commerce, National Oceanic & Atmospheric Admin., Washington, DC), Tasks 1.1.b, 1.4.d, 1.4.b, 1.5.b, and 1.6.b. Grande Ronde Model Watershed Operations/Action Plan and Habitat Assessment (Clearwater Biostudies, 1993). Wallowa County-Nez Perce Tribe Salmon Recovery Plan Grande Ronde Ecosystem Diagnosis & Treatment Study (MoBrand Biometrics 1995, 1996). Wallowa-Whitman National Forest Plan, as applicable to federal lands.

### TARGET STOCK

Spring Chinook/Indian Creek

### LIFE STAGE

Spawning, rearing, holding, migration  
(adults in, smolts out)

### MGMT CODE (see below)

L,S,W

Spring Chinook/Catherine Creek

Spawning, rearing, holding, migration  
(adults in, smolts out)

L,S,W

Spring Chinook/Lostine River

Spawning, rearing, holding, migration  
(adults in, smolts out)

L,S,W

Spring Chinook/Bear Creek (Wallowa)

Spawning, rearing, holding, migration  
(adults in, smolts out)

L,S,W

Spring Chinook/Hurricane Creek

Spawning, rearing, holding, migration  
(adults in, smolts out)

L,S,W

Spring Chinook/Mainstem Wallowa	Spawning, rearing, holding, migration (adults in, smolts out)	L,S,W
Spring Chinook/Imnaha River	Spawning, rearing, holding, migration (adults in, smolts out)	L,S,W
Spring Chinook/Big Sheep Creek	Spawning, rearing, holding, migration (adults in, smolts out)	L,S,W
Spring Chinook/Upper Grande Ronde River	Spawning, rearing, holding, migration (adults in, smolts out)	L,S,W
Spring Chinook/Wenaha River	Spawning, rearing, holding, migration (adults in, smolts out)	L,N,W
Spring Chinook/Grande Ronde River mainstem	Rearing, holding, migration (adults in, smolts out)	L,W
Summer Steelhead/Catherine Creek and tribs.	Spawning, rearing, holding, migration (adults in, smolts out)	P,W
Summer Steelhead/Lookingglass Creek and tribs.	Spawning, rearing, holding, migration (adults in, smolts out)	P,W
Summer Steelhead/ Indian Creek and tribs.	Spawning, rearing, holding, migration (adults in, smolts out)	P,W
Spring Chinook/Lookingglass Creek	Spawning, rearing, holding, migration (adults in, smolts out)	S
Summer Steelhead/Wallowa River and tribs.	Spawning, rearing, holding, migration (adults in, smolts out)	A,P,W
Summer Steelhead/Wenaha River and tribs.	Spawning, rearing, holding, migration (adults in, smolts out)	P,N,W
Summer Steelhead/Joseph Creek and tribs.	Spawning, rearing, holding, migration (adults in, smolts out)	P,N,W
Summer Steelhead/Imnaha River and tribs.	Spawning, rearing, holding, migration (adults in, smolts out)	P,A,W
Summer Steelhead/Grande Ronde River and tribs.	Spawning, rearing, holding, migration (adults in, smolts out)	P,W
Bull Trout/Grande Ronde River and tribs.	Spawning, rearing, holding, migration	P,W
Spring Chinook/Minam River	Spawning, rearing, holding, migration (adults in, smolts out)	L,N,W

**AFFECTED STOCK**

Native wildlife & fish species in the basin

**BENEFIT OR DETRIMENT**

Beneficial

**BACKGROUND**

**STREAM AREA AFFECTED**

**Stream name:**

Grande Ronde River & Tributaries

**Stream miles affected:**

2900

**Hydro project mitigated:**

Four Lower Columbia & four Lower Snake hydroelectric projects; not specific to any particular project.

**LAND AREA INFORMATION**

**Subbasin:**

Grande Ronde

**Land ownership:**

60% public; 40% private

**Acres affected:**

3,320,000

**Habitat types:**

N/A only applies to wildlife.

## **HISTORY:**

### **Beginning the Program:**

In April 1992, the Commissions from Union and Wallowa Counties determined that a grass-roots, locally based effort working to coordinate existing local, state and federal programs could effectively maintain, enhance, and restore the watershed. Joining this effort, the Northwest Power Planning Council selected the Grande Ronde basin as a 'model' for the state of Oregon, and the Governor's office through the Strategic Water Management Group certified the program. BPA and others have cost-shared to provide funding. This endeavor covers the Blue Mountain region of northeastern Oregon, 5,265 square miles, 280 streams and rivers containing 2,900 miles of fisheries, with landownership being 60% public and 40% private.

### **Board, Subbasin Groups, Technical Committee:**

The Board of Directors represents a diverse group of interests with the common vision of a healthy watershed. Participants include stock-growers, farmers, Native American tribes, environmental groups, elected officials, and public lands, community, forestry, and fish & wildlife representatives. Initial tasks and accomplishments included creating partnerships and developing missions, goals, and objectives.

Each respective county appointed subbasin groups to coordinate with the GRMWP and focus specifically on issues pertinent to that county. A member of each group serves as ad hoc on the Board of Directors to provide a liaison role and aid in communication, transfer requests for project decision and action, and support activities.

A technical committee was formed consisting of biologists, a hydrologist, a soil scientist, and other resource specialists to advise and provide recommendations to the Board on planning direction, technical issues, and to review and evaluate project proposals for technical merit and adequacy. Local agency staffs, the tribes, and private individuals with technical expertise are playing a crucial, key role in the model watershed process in serving on this committee. This committee is an effective means for ensuring cooperation and coordination among agencies and the various projects and activities in the basin.

### **Scientific Input/Writing a Plan:**

Available stream survey data were compiled into a Habitat Assessment to provide a sound "starting-point" to develop a plan and focus restoration activities. The Operations-Action Plan and Wallowa County-Nez Perce Tribe Salmon Recovery Plan serve as a basin-wide framework to identify priority watersheds for detailed planning and restoration projects. These include restoration criteria to aid in the process of prioritizing project actions. Staff is continuing to develop sub-watershed plans and projects, working with landowner groups and others as appropriate.

The GRMWP initiated the Grande Ronde Ecosystem Diagnosis and Treatment (GREDT) study. This was undertaken to provide technical information to the Board and technical committee. The study was motivated by a need for a science-based methodology that promotes effectiveness and accountability. The analysis focuses on spring chinook salmon, which serves as a diagnostic species, in the assessment of the condition of the watershed for sustainability of its resources and related societal values.

An effectiveness monitoring strategy has been developed and is being incorporated into sub-watershed action plans. On-going monitoring efforts will be identified and coordinated, and used to establish gaps that need to be addressed. Each project also contains a monitoring component. Several projects include monitoring by local high school students.

### **Working with Landowners/Project Implementation:**

The GRMWP serves as an educational forum for landowner groups through coordination with the Soil & Water Conservation Districts, the Oregon Cattlemen's Association, and sub-watershed landowner groups. Additionally, the model watershed has established the role as facilitator to improve dialogue among local, state, tribes, and federal natural resource agencies by hosting monthly round table discussion and coordination sessions. This has been especially successful in encouraging coordination on issues beyond normal jurisdictional boundaries, and creating cooperative incentive-based ways to encourage private landowners to take part in restoration efforts.

The model watershed has assisted in development, funding, and implementation of approximately 140 restoration projects. Cost-sharing for these projects has been available through private landowners, Bonneville Power Administration, Governor's Watershed Enhancement Board/Oregon Watershed Health Program, Bureau of Reclamation, U.S. Forest Service, Natural Resources Conservation Service, and other local, state, and federal agency programs, as well as private groups and organizations. Funds received from BPA have leveraged to enhance the return for investment; up to 6 to 1 in some cases. The scope of these projects address factors such as fish passage structures/irrigation diversion improvements, riparian and rangeland management/off-stream water development, water quality (sediment & erosion reduction, temperature), water quantity, fish habitat (large woody debris placement), stream morphology, road obliteration & improvements, and bank stability.

Multiple agencies and citizens share partnerships with the GRMWP, which are critical to its success. Although there is no baseline funding from any source other than BPA, the funding is leveraged for a considerable amount of in-kind services, research grants, and project funding to enable the implementation of Program goals. The Bureau of Reclamation has contributed funding in staff support, technical assistance/writing, research grants, and consultation. Governor's Watershed Enhancement Board/Oregon Watershed Health Program has provided technical support and project implementation funds. The Wallowa-Whitman National Forest has provided technical assistance, and to the extent feasible, aligned their planning operations, watershed analysis, and watershed restoration efforts with those of the GRMWP. The Natural Resources Conservation Service,

Union and Willowa Soil and Water Conservation Districts, and state agencies (ODFW, ODF, DEQ, OWRD) contribute staff planning support, technical assistance, project management, and facilitation for landowner meetings. Computer systems have been provided by Oregon Water Resources Department and Oregon Department of Agriculture.

Innovative Directions:

GRMWP is integrating watershed planning into the community and the community into watershed planning. Coordination meetings and discussions are held monthly to coordinate and aid in innovative ways to plan, fund, and implement project actions.

#### **BIOLOGICAL RESULTS ACHIEVED:**

ODFW spawning grounds surveys indicate an increase across the Grande Ronde basin and Imnaha from 129 redds in 1995 to 432 redds in 1996. Part of this can be attributed to improved habitat, passage, and flow conditions; as well as recognizing that the return is influenced by strong parent escapement in the basin in 1992.

Chinook salmon access to premium spawning grounds in highest productivity stream (Catherine Creek) improved through replacement and reconstruction of three major diversion structures.

Improved water quality (and salmonid habitat, from invertebrate populations to alvein survival rate) in Upper Grande Ronde River through protection of banks and road closures/improvements.

Placement of woody debris, increasing channel complexity. Through educational efforts, insured that logs and woody debris already in place were not removed from streams.

Chinook spawning ground improvements through livestock management.

Smolt survival & migration improvements through irrigation diversion modifications and improvements.

Improved fry & smolt survival through increased water flows and reduced temperatures due to irrigation diversion reductions.

An effectiveness monitoring strategy has been developed by the Technical Committee and is being implemented. As information is collected, these results will be quantified and made available as funding allows. Recognizing that most habitat restoration projects are relatively new (1994/95/96 field seasons), some results may not yet be measureable.

#### **PROJECT REPORTS AND PAPERS:**

Quarterly reports to Bonneville Power Administration for entire contract, plus year-end summaries. Grande Ronde Model Watershed Program Charter Habitat Assessment of Stream and Riparian Conditions in the Grande Ronde basin through 1993 Grande Ronde Operations-Action Plan (basin-wide); Bear Creek Watershed Action Plan; Big Sheep Coordinated Resource Management Plan; draft Indian Creek Watershed Action Plan; draft coordinated resource management plans for Lostine River and Little Sheep Creek Grande Ronde Ecosystem Diagnosis and Treatment Study.

#### **ADAPTIVE MANAGEMENT IMPLICATIONS:**

The program was developed as a "model" of citizen-based natural resource planning for local government and the Northwest Power Planning Council. Lessons learned in this effort can be applied to other watersheds and include:

It takes time to create partnerships and develop a strong basin watershed council; the availability of administrative and technical assistance/support is a crucial component to its success.

Being based in local county government has been very positive and offered additional opportunities--a watershed council must allow for a diverse group of interests, local agendas, and perspectives.

Planning is vital before moving to project implementation. The key is a local assessment of environmental conditions in order to establish priorities driven by local governments, agencies, tribes, and community. The time expended for this is also well utilized in developing local consensus and unity.

Realize project development is very time consuming, and many local entities must be involved and incorporated into the process. Implementation is a multi-year process, recognizing our actions today may take years to make a difference in the quality of our environment.

Incentive based programs that encourage change in management techniques result in voluntary on-the-ground habitat restoration actions.

A model watershed serves as a forum for discussion of divisive watershed issues that allows resolution of problems, a place for various constituencies to listen to and understand each others concerns and viewpoints.

Forum to coordinate state, federal conservation and resource monitoring and management efforts.

Bring citizens and agency representation together on equal footing for planning that applies to public and private lands.

Leadership role in formulating new concepts in basin planning and management (citizen-based).

Forum to bring together agricultural and small city concerns for resource management/enhancement.

Apply science to watershed management.

Forum to aid community in better understanding its water resources and natural resources.

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## PURPOSE AND METHODS

### SPECIFIC MEASUREABLE OBJECTIVES:

Administration, development and implementation of watershed plans and projects to restore watershed function and improve salmonid production while maintaining a vigorous natural resource based economy.

### CRITICAL UNCERTAINTIES:

The risk is in not implementing the Grande Ronde Model Watershed Program as a project. Funding to maintain program staffing and allow planning, coordination, and implementation of restoration actions to continue is critical. Without local involvement, support, and cooperation, there may be no fish runs to discuss. The people on the ground can and will make a difference.

### BIOLOGICAL NEED:

Unless this project succeeds, chinook salmon could likely become extinct in this watershed. There is a critical biological need, in fact a necessity for this project. Grande Ronde wild spring chinook salmon are a unique gene pool. These fish must be saved to protect those genetics. Improve basin water resources by improving the basin watersheds.

### HYPOTHESIS TO BE TESTED:

A diverse, local citizen-based group can motivate fellow citizens and move forward with watershed restoration programs that measurably improve water quality, fish habitat, and local economy.

### ALTERNATIVE APPROACHES:

For years a "top-down" approach has been utilized, with limited success.

### JUSTIFICATION FOR PLANNING:

Maintaining and improving the productivity of salmon and steelhead habitat is an extremely complex task and requires coordination of virtually all activities that occur in a subbasin. The best approach to watershed restoration activities is for activities to be cooperatively undertaken by local, federal, and state agencies, and private and tribal parties. A comprehensive watershed approach can help fisheries resources recover from their depressed state and minimize impacts to local economies. Effective habitat restoration activities can be implemented only after stream-specific conditions are identified and habitat objectives determined. The GRMWP is staffed by an Executive Director, Planner, and clerical support. The Board of Directors and Technical Committee (volunteers) meet monthly; working sub-committees, meet more frequently.

### METHODS:

By design, the GRMWP is based in local county governments (Union & Wallowa Counties). This allows coordination on issues beyond normal jurisdictional boundaries, and allows us to fulfill the role of facilitator to improve dialogue between local, state, tribes and federal natural resource management agencies. Additionally, through coordination with local landowner groups, cooperative and incentive-based opportunities are made available to private landowners, providing the catalyst for them to take part in restoration efforts.

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## PLANNED ACTIVITIES

### SCHEDULE:

<u>Planning Phase</u>	<u>Start</u> 9/92	<u>End</u> on-going	<u>Subcontractor</u> EOSC
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Task Activity 1: To maintain ongoing program administration and service to Board of Directors Schedule, conduct, and report on Board meetings; address Board member requests and concerns; supervise program administration and correspondence. Schedule, conduct, and report on Technical Committee meetings and operations; link technical committee activities and recommendations to Board activities. Coordinate program activities with other natural resource management agencies concerned with the Grande Ronde basin (i.e., facilitate monthly round-table planning discussions).

Activity 2: Project Planning, Sub-watershed Analysis and Action Plans Compile environmental assessment information of critical salmon sub-watersheds; identify gaps in information, develop plans to address the gaps in information, and work with landowners to develop sub-watershed plans to restore habitat areas within the Grande Ronde basin. Develop site specific projects to protect and restore critical habitat areas. Work with technical committee to identify and prioritize sub-

watersheds in the Grande Ronde basin; conduct assessments concurrently; coordinate with other entities in the basin to achieve joint planning activities; develop monitoring plans for watersheds; and arrange for future evaluation of projects. Progress toward completion of sub-watershed action plans for the many sub-watersheds in the Grande Ronde basin.

Coordinate planning with other natural resource agencies concerned with the basin. Integrate water quality management plans (as required in the Dept. of Environmental Quality TMDL process and Dept. of Agriculture Senate Bill 1010 guidance) to avoid duplication of planning efforts in the Grande Ronde basin. Preparation of proposals for funding project actions/implementation. ote - Implementation of restoration activities is covered under project # 9402700

Activity 3: Public Information/Involvement and Education Activities To provide and maintain ongoing public information/involvement activities in support of the GRMWP, and support educational activities to enhance watershed restoration actions within the basin. Provide a forum for discussion of watershed issues, a place for constituencies to listen and understand each others interests and view points. Conduct periodic public information meetings and tours on program project activities and Board actions as appropriate; address the concerns indicated by stakeholders and the larger public, and provide informational materials as appropriate and needed. Represent the GRMWP and its activities at public events. Organize and coordinate educational seminars and activities for stakeholders, including technical information on watershed restoration and management actions, forage and livestock management seminars, water and riparian management activities, and monitoring and evaluation actions. Coordinate with Soil and Water Conservation Districts to facilitate a citizen-based monitoring workshop. Provide logistics for activities of sub-basin groups, and landowner meetings. Publish program newsletters.

Activity 4: Interagency Coordination/Clearinghouse Operation To aid coordination and facilitate interagency cooperation in habitat restoration actions on public and private lands in the Grande Ronde basin. To serve as a clearing house for information dissemination about restoration actions being conducted by agencies within the Grande Ronde basin. Establish and maintain regular contact with natural resource agencies concerned with the basin, exchange information, coordinate planning and project actions, foster cooperative agreements for project planning and restoration actions and funding. Coordination will be conducted on the local, regional, state, and federal levels. Accumulate and maintain data base inventory of past, current, and proposed habitat restoration actions in the basin across natural resource management agencies, disseminate base information in inventory and newsletter form on a quarterly basis. Coordinate development of GIS map products such as subbasin detail maps. Acquire GIS data layers as appropriate.

Activity 5: Monitoring - Coordination In partnership with Union and Wallowa Soil and Water Conservation Districts, provide for effectiveness monitoring of cumulative effects on focus sub-watersheds. Utilizing the format developed by the GRMWP Technical Committee, produce a written annual report including summaries, and analysis of data collected (from all entities) in 1998. Identify monitoring gaps and write long-term monitoring plans for focus subbasins.

Activity 6: Technical Support Assist with project engineering and design. Provide for on-site technical assistance, coordination, and project management during implementation. Purchase of equipment necessary to perform technical support role.

**Implementation Phase**    **Start** above                      **End** on-going                      **Subcontractor**

**Task** See above

**PROJECT COMPLETION DATE:**

ongoing

**CONSTRAINTS OR FACTORS THAT MAY CAUSE SCHEDULE OR BUDGET CHANGES:**

Landowner willingness to participate in the Grande Ronde Model Watershed Program; in ability to fund the program or project activities.

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**OUTCOMES, MONITORING AND EVALUATION**

**SUMMARY OF EXPECTED OUTCOMES**

**Expected performance of target population or quality change in land area affected:**

Successful coordination of habitat restoration efforts in the Grande Ronde basin; strong local support of restoration projects; citizens working together; working subbasin groups supported by the community and landowners; watershed action plans developed for every critical (focus) watershed; in the long-term, changes in management activities to sustain our natural resources and local community.

**Present utilization and conservation potential of target population or area:**

N/A See project #9402700.

**Assumed historic status of utilization and conservation potential:**

N/A See project #9402700.

**Long term expected utilization and conservation potential for target population or habitat:**

N/A See project #9402700.

**Contribution toward long-term goal:**

Restoration of habitat for Snake River spring chinook, summer steelhead, & bull trout.

**Indirect biological or environmental changes:**

N/A See related project #9402700.

**Physical products:**

N/A See related project #9402700.

**Environmental attributes affected by the project:**

N/A See related project #9402700.

**Changes assumed or expected for affected environmental attributes:**

N/A See related project #9402700.

**Measure of attribute changes:**

N/A See related project #9402700.

**Assessment of effects on project outcomes of critical uncertainty:**

N/A See related project #9402700.

**Information products:**

Habitat Assessment, GRMWS Action Plan, Sub-watershed action plans (defining site specific restoration projects); effectiveness monitoring plans; newsletters.

**Coordination outcomes:**

Coordination beyond normal jurisdictional boundaries, to fulfill the role of facilitator to improve dialogue between local, state, tribes, and federal natural resource management agencies. Also coordination with local landowner groups. Implementation of restoration plans.

**Accomplishments:**

Compiled a compendium of all sources of human & fiscal resources that are potentially available for protection & improvement of habitat for the model watershed. Coordinate this activity on a regional and state level, as appropriate.

Identified all parties with an interest in each model watershed. Set up procedures to include all these parties in the development & implementation of the model watershed. Convene a watershed conference that includes all parties with an interest in the model watershed.

Compiled all existing plans, programs, policies, laws and other appropriate items that relate to comprehensive watershed management in each model watershed.

Identified gaps and conflicts in the existing plans, programs, policies, laws and other appropriate items that hinder comprehensive watershed management in each model watershed.

Set out a path and procedures for filling gaps and addressing conflicts.

Identified key factors limiting salmon and steelhead productivity.

Identified priority on-the-ground actions to address key limiting factors/environmental attributes.  
 Provided for the involvement of volunteers and educational institutions in the implementation of projects.  
 Implementation of priority on-the-ground actions that address key limiting factors for salmon and steelhead production through the implementation planning process (Sec. 7.1B of Plan). In addition, initiate the path & procedures for filling gaps and addressing conflicts.  
 Early Life History Study: Conducted trapping, and habitat relation studies from September 1994 through present in main stem Grande Ronde and in Catherine Creek. Attempted habitat relationship studies in winter. Observed life history patterns not previously know in the mainstem Grande Ronde. Helped identify critical area for habitat restoration in valley floor of Grande Ronde. Identified critical areas and times for passage and rearing.  
 Subwatershed plans for Big Sheep Creek and Bear Creek, drafts for Lostine River, Little Sheep Creek, Catherine Creek, and Indian Creek.  
 Developed and funded over 140 projects in cooperation with cost-share partners.  
 Established two subbasin watershed councils (Wallowa and Union Counties) and watershed work groups in Catherine Creek, Lostine River, Bear Creek, and Big and Little Sheep Creeks.  
 These objectives, and more, have been fulfilled under the 1992-1997 contract.

**MONITORING APPROACH**

N/A See related project # 9402700.

**Provisions to monitor population status or habitat quality:**

N/A See related project #9402700.

**Data analysis and evaluation:**

N/A

**Information feed back to management decisions:**

N/A

**Critical uncertainties affecting project's outcomes:**

N/A

**EVALUATION**

The level of coordination in the basin with regard to natural resource management and salmon habitat restoration activities. The ability to develop and implement on-the-ground actions. Landowner willingness to participate in the process.

**Incorporating new information regarding uncertainties:**

N/A

**Increasing public awareness of F&W activities:**

Demonstration habitat restoration projects, landowner workshops and seminars, landowner monitoring of anticipated changes resulting from restoration projects.

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**RELATIONSHIPS**

**RELATED BPA PROJECT**

5519100 Meadow Creek Instream Structure and Riparian Evaluation

9202604 Spring Chinook Early Life History

**RELATIONSHIP**

Monitoring of past efforts and adaptive management in action.

Provides critical information to the GRMWP in understanding how the river system is being used by spring chinook, allowing better focus with our restoration efforts in the Grande Ronde basin.

5520900 Wallowa/Nez Perce Salmon Habitat Recovery Plan Implementation

To aid with implementation of the Wallowa County-Nez Perce Tribe Salmon Recovery Plan, in coordination with GRMWP activities.

9403900 Wallowa Basin Project

Provides technical support from the Nez Perce Tribe in sub-basin plans, project development, and coordination with tribal priorities for restoration activities.

8402500 Joseph Creek, Grande Ronde River, Oregon (ODFW)

Involves partnership efforts with Oregon Dept. of Fish and Wildlife. ODFW representatives serve on the model watershed technical committee and the Board of Directors. Representatives are an integral part of project planning and development. The GRMWP uses ODFW expertise in the Grande Ronde Ecosystem Diagnosis and Treatment Project. Working together in restoration efforts has enhanced opportunities for both groups.

9403000 RASP in Grande Ronde Basin

Grande Ronde Ecosystem Diagnosis and Treatment Project provides a science-based methodology to the planning process that incorporates local values and objectives. The project uses a patient-template analysis, with chinook as the diagnostic species, to analyze watershed conditions, identify restoration alternatives, analyze and prioritize restoration alternatives, and implement selected actions.

9402700 Grande Ronde Model Watershed Habitat Projects

Represents the project implementation portion of the GRMWP. It covers implementation costs and does not include the project development/planning, coordination, technical support, or management. These costs are covered under this proposal - Admin./Impl./Research.

**RELATED NON-BPA PROJECT**

Union County, Wallowa County  
Natural Resource Conservation Service, U.S. Forest Service, Bureau of Reclamation

Governor's Watershed Enhancement Board; Union & Wallowa Soil and Water Conservation Districts  
Oregon Watershed Health Program

**RELATIONSHIP**

Provide administrative support for projects and activities.  
Partnership in providing planning & technical engineering support in project development, design, and implementation. Providing cost-share funding.  
Partnerships in funding for habitat restoration projects, administration, & monitoring.  
Provided field support and funding (\$3.1 million in the 1994-95 biennium) for restoration projects in the basin.

**OPPORTUNITIES FOR COOPERATION:**

Wallowa and Union Counties are partners with the Northwest Power Planning Council in developing a "model" for watershed restoration at the grass-roots/local level. County governments, Board members, and technical resource specialists have contributed countless hours to this effort; the Bureau of Reclamation, Governor's Watershed Enhancement Board/Oregon Watershed Health Program, Natural Resources Conservation Service, Nez Perce Tribe, and others have cost-shared with support. The underlying factor remains in BPA providing funding to continue program efforts in order to leverage these other funding sources.

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**COSTS AND FTE**

1997 Planned: \$305,000

**FUTURE FUNDING NEEDS:**

**PAST OBLIGATIONS (incl. 1997 if done):**

<u>FY</u>	<u>\$ NEED</u>	<u>% PLAN</u>	<u>% IMPLEMENT</u>	<u>% O AND M</u>
1998	\$295,000	100%		
see related project #9402700				

<u>FY</u>	<u>OBLIGATED</u>
1992	\$31,222
1993	\$155,309

1999	\$295,000	100%	1994	\$223,492
2000	\$295,000	100%	1995	\$192,855
2001	\$295,000	100%	1996	\$276,999
2002	\$310,000	100%	1997	\$67,880
			TOTAL:	\$947,757

Note: Data are past obligations, or amounts committed by year, not amounts billed. Does not include data for related projects.

<u>FY</u>	<u>OTHER FUNDING SOURCE</u>	<u>AMOUNT</u>	<u>IN-KIND VALUE</u>
1998	Bureau of Reclamation	\$30,000	\$25,000
	Eastern Oregon State College		\$18,600
	Union/Wallowa Counties		\$26,000
	U.S.F.S.- PNW		\$5,000
1999	Bureau of Reclamation	\$30,000	\$25,000
	Eastern Oregon State College		\$18,600
	Union/Wallowa Counties		\$26,000
	U.S.F.S.- PNW		\$5,000
2000	Bureau of Reclamation	\$30,000	\$25,000
	Eastern Oregon State College		\$18,600
	Union/Wallowa Counties		\$26,000
	U.S.F.S.- PNW		\$5,000
2001	Bureau of Reclamation	\$30,000	\$25,000
	Eastern Oregon State College		\$18,600
	Union/Wallowa Counties		\$26,000
	U.S.F.S.- PNW		\$5,000
2002	Bureau of Reclamation	\$30,000	\$25,000
	Eastern Oregon State College		\$18,600
	Union/Wallowa Counties		\$26,000
	U.S.F.S.- PNW		\$5,000

**OTHER NON-FINANCIAL SUPPORTERS:**

Union and Wallowa Soil and Water Conservation Districts; Oregon Water Resources Dept.; Oregon Dept. of Agriculture

**LONGER TERM COSTS:** \$300,000 yearly for continued operation and implementation.

**1997 OVERHEAD PERCENT:** None

**HOW DOES PERCENTAGE APPLY TO DIRECT COSTS:**

N/A

**CONTRACTOR FTE:** three

**SUBCONTRACTOR FTE:** one

**SUPPLEMENTAL ANADROMOUS FISH EVALUATION FACTORS:**

See related project #9402700.