

**Secure Rural Schools and Community Self-Determination Act of 2000
Public Law 106-393**

**Title II Project Application for 2007 Funds (Round #7)
Roseburg District Resource Advisory Committee**

1. Project Name: Umpqua River Tidal Wetland Restoration Project Development	2. County: Douglas
3. Sponsoring Organization: Partnership for the Umpqua Rivers (PUR)	4. Date: 15 August 2007
5. Sponsor's Phone Number: 541/673-5756	
6. Sponsor's E-mail: Bob@UmpquaRivers.org	

7. Project Location (attach project area map) Lower Umpqua River HUC 5th Field, Reedsport	
a. Description of Location: Lower Umpqua River and tributaries (See attached map for more details)	
b. Sub Basin Name (4 th Field Watershed; e.g. North Umpqua): Umpqua River (HUC: 17100303)	
c. Watershed Name (5 th Field Watershed; e.g. Little River): Lower Umpqua River (HUC: 1710030308)	
d. Legal Location: Township Various Range Various Section(s) Various	
e. BLM District: Roseburg	e. BLM Resource Area: Both Areas
f. State / Private / Other lands involved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

8. Project Goals and Objectives: (Describe the goals and objectives of the project. If applicable list species that will benefit from the project)

The goal of this project is to restore and protect estuarine and tidal wetlands throughout the lower Umpqua River, thus improving fish and wildlife habitat, water quality and overall fish productivity throughout the entire basin. There is a clear nexus between the quality and quantity of estuarine habitats and the viability of salmon populations. Salmon that rear in and migrate from headwater streams pass through the estuary to reach the ocean. Regardless of spawning location (i.e. North or South Umpqua River headwaters), the estuary and its associated tidal wetlands provide essential rearing and migratory habitat for salmon at two critical points in their life cycle.

The objectives for this proposal are:

- Establish local network of wetland restoration advocates and partners
- Continue building partnerships with local city, state and federal organizations
- Continue public and private landowner outreach and education on wetland restoration and the importance of the Umpqua Estuary
- Use an ecosystem based approach to identifying and prioritizing work efforts
- Focus restoration efforts strategically on a watershed basis; ie. Dean Creek, Scholfield Creek, Winchester Creek, Harvey Creek, Butler Creek, etc.
- Restore tidal wetland function by working with landowners to remove and/or

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improve human alterations (dikes, tide gates, restrictive culverts, roads, etc.)

- Initiate 5 on-the-ground restoration projects (see Projects Under Development)
- Identify 5 (additional) restoration projects for development

The benefits of the project resulting from this proposal include:

- Increased awareness of the importance of tidal wetlands and estuarine habitats
- Increased coordination on restoration efforts across ownership boundaries (public and private)
- Building partnerships among local, State, Federal, and private organizations
- Increased wetland connectivity throughout the lower Umpqua River and its tributaries, providing fish shelter from predators and high velocities
- Increased rearing and foraging habitat for juvenile salmonids and other fish
- Decreased water temperatures during the hot summer months
- Increased brackish-freshwater areas for salmonid adaptation to saline ocean conditions

9. Project Description: (Describe how the project will be conducted and how its goals and objectives will be met.)

The Partnership for the Umpqua Rivers is seeking funding for 2 years of a multi-year project. Funds will be used to develop the PUR Tidal Wetland Restoration Program and initiate on-the-ground projects. The Program is centered on restoring and protecting tidal wetlands within the Umpqua River Estuary and it is a ten-year project consisting of two phases: program development (2 years) and project implementation (8 years). In this proposal, we are seeking funds to support one year of the program development phase and one year of the project implementation phase. Phase I and II will occur simultaneously during year 2 of the project.

PHASE I - Program Development includes all of the outreach and planning activities that occur prior to beginning on-the-ground restoration and protection projects. These activities can be broken into three general categories:

- Recruiting landowner participation: This will be done via direct mailings to potential landowner partners, "knocking on doors," presenting at public meetings, and contributing articles to local newspapers and newsletters.
- Project planning: This is all of the site-specific planning and evaluation activities that occur prior to submitting a restoration project grant application, such as

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landowner meetings, site surveys and mapping, and in some cases, consultations with a state-certified civil engineer.

- Developing project proposals: This includes writing and submitting grant proposals to natural resource agencies and private foundations to fund on-the-ground tidal wetland restoration and protection projects.

PHASE II - Project Implementation includes the continued writing and submitting of grants and the actual on-the-ground, site specific restoration and protection projects. After funding is received, these activities can be broken into three general categories:

- Final Project Design: It is often difficult to complete project design prior to receiving funding due to the costs of technical designs and engineer time. Final project design will include pre-project monitoring, site specific agency consultation, and engineer design.
- Project Implementation: This includes all contractor solicitation, contract agreement preparation, project construction, construction supervision, and construction
- Project Monitoring: Project monitoring will be conducted by PUR staff for at least 5 years following the completion of a project. Pre and post-project monitoring will evaluate the extent of fish and wildlife habitat restored. Photo points will be established to monitor changes in habitat and channel morphology. Water quality measurements, when appropriate, will be taken to evaluate changes in dissolved oxygen, temperature, turbidity and nutrient levels. The Oregon Department of Fish and Wildlife regularly conducts fish habitat and population monitoring throughout the Umpqua Basin.

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Projects currently under development:

PROJECT	LANDOWNER	PROJECT TYPE(S)	PROJECT COMPONENTS	PROJECT STATUS
Dean Creek Site 12a	Private	Wetland Restoration	Restore Native Vegetation Large Wood Placement	Partially Funded Pending final project design
Dean Creek Elk Viewing Area Site 100	BLM	Wetland Restoration	Restore Native Vegetation Large Wood Placement Tide Gate Removal Channel Meander Restoration	Pending Funding Request Project proposal to BLM Project design complete (Ducks Unlimited)
Harvey Creek	Private USFS	Wetland Restoration Riparian Restoration	Restore Native Vegetation Large Wood Placement Streambank Stabilization	Landowner coordination meeting 16 AUG08
Scholfield Creek Macintosh Mill Site	Private	Wetland Restoration	Restore Native Vegetation Large Wood Placement Tide Gate Removal Channel Meander Restoration	Pending DSL/ACOE approval Pending funding request Project design complete
Scholfield Creek Site 81	Private	Wetland Restoration Riparian Restoration	Restore Native Vegetation Large Wood Placement Channel Meander Restoration	Pending field recon - Landowner is interested in project development
Unnamed Trib. Site 8	Private	Wetland Restoration Riparian Restoration	Restore Native Vegetation Large Wood Placement Channel Meander Restoration	Pending 2nd contact w/ landowner & coordination w/ USFS
Butler Farms Sites 56, 102, 103	Private	Wetland Restoration	Restore Native Vegetation Large Wood Placement Channel Meander Restoration	Pending 2nd contact w/ landowner
Mallard Island Site 98	Private	Wetland Restoration	Restore Native Vegetation Large Wood Placement	Pending field recon - Landowner is interested in project development
Leeds Island Site 24	Private	Wetland Restoration	Dike Removal Channel Meander Restoration Restore Native Vegetation Large Wood Placement	Preliminary design complete Pending landowner/PUR coordination
Steamboat Island Site 22	Private	Wetland Restoration	Channel Meander Restoration Restore Native Vegetation Large Wood Placement Dredging Spoils Removal	Pending project design and coordination between owner and contractors
Scholfield Creek Site 66	Private	Wetland Restoration Riparian Restoration	Restore Native Vegetation Large Wood Placement Channel Meander Restoration	Pending field recon - Landowner is interested in project development

10. How will cooperative relationships among people that use federal lands be improved?

In many cases large private land-holdings are located near or adjacent to Federal lands. This project seeks to build cooperative relationships between private landowners and state/federal agencies. Many of these federal land users are represented on the watershed council. Because BLM is a stakeholder, all members benefit from the interaction with the agency during meetings, workshops and tours. This collaboration improves members' knowledge of BLM activities, especially when partnering with other entities on stream monitoring and restoration projects.

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11. How is this project in the best public interest and how will it benefit communities?

This project is in the best interest for the entire Umpqua Basin. The Umpqua system accounts for more total and wild coho spawners than any other river system in Oregon and about 15% of coho spawners coast-wide. However, hatchery fish account for a large percent of annual returns; in the North Umpqua River system, hatchery fish often exceed 50% of the total runs of spring Chinook, summer steelhead, and coho.

Healthy wild salmon and sea-run trout populations require diverse habitats across freshwater, estuarine, and marine zones. In the Umpqua Basin, most salmonid habitat restoration and protection efforts have focused on improving freshwater spawning and rearing habitat. However, estuaries play a key role in the life cycle of salmon and sea-run trout by providing critical habitat for juvenile fish. The tidal wetlands found within estuaries provide productive rearing and foraging habitat, deep meandering channels for shelter from predators and high velocity flows, cool water temperatures during the hot summer months, and a brackish-freshwater interface for adaptation to saline ocean conditions. These tidal wetland features contribute to accelerated juvenile salmonid growth during estuarine rearing, which in turn allows increased ocean survival.

The Umpqua Basin's estuary is over 6,000 acres and is located primarily in the Lower Umpqua River and Lower Smith River fifth-field watersheds (please see map #2). Prior to Euro-American settlement, the Umpqua Estuary included 4,600 acres of tidal wetlands. Now, 62% of the historical wetlands have been completely filled or had major alterations, 19% have had minor alterations, and 19% are relatively undisturbed. Restoring and protecting the remaining tidal wetlands in the Umpqua Estuary is a key component to establishing sustainable populations of wild salmonids in the Umpqua Basin. However, until now there has been no coordinated, strategic effort by the Partnership for the Umpqua Rivers (PUR) or other groups to restore and protect the remaining tidal wetlands in the Umpqua Estuary.

This project is based on building partnerships with various, diverse groups to accomplish its objectives. All on-the-ground work for this project is designed to be done by the local work force when appropriate. The Reedsport area economy is largely based on the timber industry and the Umpqua fishery. This project will benefit this economy directly and indirectly by creating jobs for local contractors and businesses and by increasing fish productivity.

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12. Who will accomplish the project?	
<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Federal Workforce
<input type="checkbox"/> County Workforce	<input checked="" type="checkbox"/> Volunteers
<input checked="" type="checkbox"/> Other (specify): Partnership for the Umpqua Rivers	

13. Is this project coordinated with other related project(s) on adjacent lands?
a. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If yes, then describe)
The projects arising from this proposal are similar in nature to numerous other restoration projects, monitoring and data sharing that has been the modus operandi of Partnership's restoration partners. The diversity in ownership boundaries in this part of the Umpqua Basin necessitates collaboration on projects that span multiple ownership boundaries. PUR is currently working with landowners on Dean Creek and Scholfield Creek to restore/enhance existing tidal wetlands. PUR is also working with the Port of Umpqua to develop a wetland restoration project on Steamboat Island. This site was established by the Port to serve as an area with mitigation opportunities with local contractors.
b. Are you seeking funds from other Resource Advisory Committees? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If yes, then describe) Coos Bay BLM RAC

14. If the project is on private land how does it benefit federal lands or resources?
Projects that are developed will take place on public and private lands. Throughout the lower Umpqua River, private lands are often located adjacent to public lands (ex. Dean Creek Elk Viewing Area) in the lower gradient portion of the watershed. Predominately the lower gradient portions of a watershed (typically adjacent to federal lands) are privately owned agricultural lands. These areas of a watershed are critical for the anadromous fisheries and water quality throughout the Umpqua Basin, regardless of ownership. One component of this project is to develop partnerships between private and public landowners to increase the benefit to resources throughout the basin.

15. Measure of Project Accomplishments	
a. Total Acres: Approximately 65,061	b. Total Miles: Approximately 102 sq. miles
c. Number of Structures: N/A	d. Estimated Number of People Reached (for environmental education and workforce training projects): 1,500
e. Number of Laborer Days: 535	
f. Other (specify): 5 on-the-ground projects initiated and 5 projects proposals in development	
g. Describe how long will the benefits of the project last: The benefits of this project have the potential to be everlasting.	

16. Will the project generate merchantable materials?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:

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17. How does the proposed project meet purposes of the legislation? (Check at least one)
<input type="checkbox"/> Improves maintenance of existing infrastructure.
<input type="checkbox"/> Implements stewardship objectives that enhance forest ecosystems.
<input checked="" type="checkbox"/> Restores and improves land health.
<input checked="" type="checkbox"/> Restores water quality.

18. Project Type (Check at least one)	
<input type="checkbox"/> Road Maintenance	<input type="checkbox"/> Trail Maintenance
<input type="checkbox"/> Road Decommission/Obliteration	<input type="checkbox"/> Trail Obliteration
<input type="checkbox"/> Other Infrastructure Maintenance (specify):	
<input type="checkbox"/> Soil Productivity Improvement	<input type="checkbox"/> Forest Health Improvement
<input checked="" type="checkbox"/> Watershed Restoration & Maintenance	<input checked="" type="checkbox"/> Wildlife Habitat Restoration
<input checked="" type="checkbox"/> Fish Habitat Restoration	<input checked="" type="checkbox"/> Control of Noxious Weeds
<input checked="" type="checkbox"/> Reestablish Native Species	
<input type="checkbox"/> Other Project Type (specify):	

19. Project Initiation and Estimated Completion Dates: (Describe the timing of the major phases of the project)
The project is currently in Phase I (Program Development) which will be completed in August 2008. Funding from this grant will fund the final portion of Phase I and the beginning elements of Phase II (Implementation) October 2007 through October 2009.

20. Status of Project Planning			
a. NEPA process complete:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Not Applicable
b. Consultation complete:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Not Applicable
c. DSL/ODFW* permits for in-stream work obtained:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Not Applicable
d. DSL/COE* 404 fill/removal permit obtained:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Not Applicable
e. SHPO* concurrence received:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable
f. Project design(s) completed:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
g. If you answered yes to any of the questions above, please describe who will accomplish the work and when it will be complete:			
The Leeds Island and Dean Creek Elk Viewing Area projects had preexisting designs that were developed by Ducks Unlimited.			
* DSL = Dept. of State Lands, ODFW = Oregon Department of Fish and Wildlife, COE = Army Corps of Engineers, SHPO = State Historic Preservation Officer			

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21. Anticipated Project Costs
a. Total Title II funds requested: \$49,697

Table 1. Project Cost Analysis (Includes all expenditures for the life of the project)

Item	Fed. Agency Appropriated Contribution	Requested County Title II Contribution	Other Contributions	Total Available Funds
Planning and Permits		250	750	1,000
Design & Engineering		850	12,000	12,850
Project/Contract Administration		4,495	16,205	20,700
Project/Contract Implementation ¹		31,125	102,375	133,500
Materials & Supplies ²		12,000	38,000	50,000
Post-Project Monitoring		250	750	1,000
Other: Travel (mileage, etc.)		727	8,918	9,645
Total Cost Estimate		\$49,697	\$178,998	\$228,695

¹This could be either the cost of the labor for project implementation or the cost of a contract.

²If the project is implemented by contract, materials and supplies are likely included in the cost of the contract.

22. Provide a budget narrative, including a description of other source(s) of funding for the project identified above and/or a clarification of any other aspects of the budget:
See attached Tidal Wetland Project Development Budget

23. Monitoring Plan
<p>a. What measures or evaluations will be made to determine how well the proposed project meets the desired ecological conditions? Who will be responsible for this monitoring item?</p> <p style="margin-left: 40px;">Specific ecological conditions are outlined in the PUR <i>Umpqua Basin Action Plan</i>, June 2007; the <i>Tidal Wetland Prioritization for the Umpqua River Estuary</i>, Green Point Consulting, December 2005; and the <i>Estuary Assessment Chapter of the Oregon Watershed Assessment Manual</i>, July 2007. The Wetland Project Manager will be responsible for ensuring that all projects follow the guidance outlined in the above documents.</p>

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- b. How will the project be evaluated to determine how well it contributes to local employment and/or training opportunities, including summer youth jobs programs such as the Youth Conservation Corps? Who will be responsible for this monitoring item?

The contractor list for PUR consists solely of consultants from Coos and Douglas Counties. A contractor list for on-the-ground work in the Lower Umpqua River area has been established and will be used when soliciting contractors. The Wetland Project Manager is responsible for managing the contractor list and will monitor this item.

- c. What methods will be established to determine how well the proposed project improves the use of, or added value to, any products removed from federal lands consistent with the purposes of this Act? Who will be responsible for this monitoring item?

N/A

24. What are the analyses, plans, legislation, or other supporting documents that support and guide this application? (E.g. the Northwest Forest Plan, a watershed analysis, a late successional reserve assessment, or the Oregon Plan for Salmon.)

The Oregon Conservation Strategy, ODFW, February 2006; Lower Umpqua River Watershed Assessment, PUR, May 2006; Umpqua Basin Action Plan, PUR, June 2007; The Oregon Plan for Salmon and Watersheds

25. Who are the key people responsible for this project? (List their names and titles)

Bob Kinyon - Executive Director, Partnership for the Umpqua Rivers
Eric Riley - Wetland Project Manager, Partnership for the Umpqua Rivers

26. Attach a map and photograph(s) of the project. (At a minimum, the map should show the project location, roads, and streams, and private versus BLM ownership. The photograph should show the project site or a representative portion of it. More than one photograph can be submitted, but they must all fit on one page. A digital photograph incorporated into this application is preferred; hard copies will be copied in black and white.)

See Attached