

**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: Clarks Branch Fish Passage	2. County: Douglas
3. Sponsoring Organization: Partnership for the Umpqua Rivers (PUR)	4. Date: 7/17/07
5. Sponsor's Phone Number: (541) 673-5756	
6. Sponsor's E-mail: bob@UmpquaRivers.org	

7. Project Location (attach project area map)	
a. Description of Location: (See attached map for more details)	
b. Sub Basin Name (4 th Field Watershed; e.g. North Umpqua): South Umpqua	
c. Watershed Name (5 th Field Watershed; e.g. Little River): Middle South Umpqua River/Rice Creek	
d. Legal Location: Township 29S Range 5W Sec 6, 6W Sec 1	
e. BLM District: Roseburg	e. BLM Resource Area South River
f. State / Private / Other lands involved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>8. Project Goals and Objectives: (Describe the goals and objectives of the project. If applicable list species that will benefit from the project)</p> <p>The goal of this project is to provide unimpeded fish passage through what is currently a series of three passage barriers. Clarks Branch Creek is known to historically have runs of steelhead and coho. Although a few steelhead are able to migrate past the current passage blocks, most fish, including coho, cannot make the series of jumps. Resident trout are present in this system.</p> <p>The objectives are to:</p> <ul style="list-style-type: none"> • Replace the Dole Road Culvert: This culvert is the first in the series of fish passage barriers. This culvert is an undersized, half round corrugated metal pipe on a concrete slab. There is a three foot outfall at the end of the culvert. The replacement structure would be a properly-sized, open bottom, 3-sided concrete box culvert. • Build a roughened chute: Upstream of Dole Road is the I-5 culvert, which has recently been retrofitted with fish passage Lexan weirs. Above the culvert is a steep, narrow chute that was likely blasted to accommodate for the interstate construction in 1964. The roughened chute would consist of large boulders placed randomly in the steep area to break up the fast flows and allow migrating fish a velocity refuge as they move upstream. • Replace the Richardson Road culvert: This culvert is the upstream fish passage barrier on Clarks Branch Creek. Installed during a time of crisis when the old

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culvert was washing out during the floods of 1996, this culvert was set with a 3 ft. perch and is undersized. The replacement culvert will be a properly-sized 9' x 17' multi-plate arch-pipe.

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

Clarks Branch Creek is located in the Middle South Umpqua, Rice Creek 5th field watershed. Limiting factors for coho salmon, steelhead and cutthroat trout production in this area include lack of habitat complexity, winter refuge and fish passage. Although other streams in the 5th field are 303(d) listed for water quality criteria exceedance, this stream is not. The major limiting factor to be addressed on this stream is the lack of fish passage, as identified by ODFW. These project locations were identified through ODFW site visits and surveys as well as surveys conducted through the Umpqua Basin Fish Access Team (UBFAT). The UBFAT uses a matrix to rank and identify priority fish passage issues. These Clarks Branch culverts were identified as the first, second and fourth priorities out of the entire Umpqua Basin.

The project proposes to start at the Dole Rd. culvert, the lower road/stream crossing on Clarks Branch Creek and replace the perched 12 ft. x 7 ft. culvert with a 19.5 ft. span, 3-sided box culvert with an open bottom. Five hundred feet upstream, the I-5 culvert begins. This concrete bottom box culvert has been retrofitted with Lexan self-cleaning fish passage weirs. Finally, upstream from the I-5 culvert about 1 mile, the Richardson Rd. culvert is a round, perched 8 ft. culvert and is planned to be replaced with a 17 ft. span multi-plate arch-pipe. There are no other significant barriers to fish passage in the five miles of available habitat.

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

When implemented, this project will bring key organizations and individuals together to solve watershed problems across ownership boundaries within the Umpqua Basin. The checkerboard of federal and private ownership extends into the headwaters of this stream. Although this project is miles downstream from federally-managed lands, opening up fish passage and improving the fishery is a reflection of all the landowners and land managers working together to restore and enhance the whole basin. In the initial planning with key landowners, cooperative relationships were evident. The relationships will continue to strengthen with the continued success of projects such as this. Through this process additional streams on private and federally-managed lands

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may be identified for enhancement in the future.

UBFAT, the culvert assessment program, has been funded for many years from state and RAC funds. The UBFAT model has been used to prioritize fish passage barriers to address the most critical passage needs first.

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

When implemented, the effects of this project will improve aquatic and wildlife habitat as well as water quality (less erosion from the site). It will also create additional jobs locally in Douglas County, in the form of contracts generated to accomplish the work. The culverts will be visible from the county road and with landowner permission will be accompanied by interpretive signs. All of this will improve the quality of life for the residents of the Umpqua Basin.

12. Who will accomplish the project?

- | | |
|--|--|
| <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Federal Workforce |
| <input checked="" type="checkbox"/> County Workforce (Site Survey) | <input type="checkbox"/> Volunteers |
| <input checked="" type="checkbox"/> Other (specify): PUR Staff | |

13. Is this project coordinated with other related project(s) on adjacent lands?

- a. Yes No (If yes, then describe)
- b. Are you seeking funds from other Resource Advisory Committees? Yes No (If yes, then describe)

14. If the project is on private land how does it benefit federal lands or resources?

This project is downstream from federally-managed lands and will be designed to benefit federal and private resources through the improvement of water quality and fish and wildlife habitat.

15. Measure of Project Accomplishments

- | | |
|---|--|
| a. Total Acres: N/A | b. Total Miles: 5 miles of fish habitat opened up |
| c. Number of Structures: 2 culverts; 1 roughened chute | d. Estimated Number of People Reached (for environmental education and workforce training projects): N/A |
| e. Number of Laborer Days: N/A | |
| f. Other (specify): | |
| g. Describe how long will the benefits of the project last: These culverts are designed to last 75 years. | |

16. Will the project generate merchantable materials?

- Yes 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 checked="" 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 type="checkbox"/> Wildlife Habitat Restoration
<input checked="" type="checkbox"/> Fish Habitat Restoration	<input type="checkbox"/> Control of Noxious Weeds
<input 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)
Spring 2007 - Begin project planning
Summer 2008 - Complete culvert and roughened chute installation.

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 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: Prior Engineering has completed the project designs and Douglas County has approved these designs.			
* 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: \$282,949

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			270	270
Design & Engineering		14,600	5,000	19,600
Project/Contract Administration		24,250	12,139	36,389
Project/Contract Implementation ¹		93,497	104,495	197,992
Materials & Supplies ²		144,002	161,001	305,003
Post-Project Monitoring		600	1,800	2,400
Other				
Total Cost Estimate		\$267,349	\$294,305	\$561,654

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

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>Presence/absence surveys will be used to evaluate the effectiveness of the culvert replacement and the extent of fish habitat accessed. Photo points will be established to monitor the bridge over time. ODFW and PUR fisheries biologists will be jointly responsible for monitoring the project.</p>
<p>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?</p> <p>Local contractors are likely to bid on and have the project awarded to them. The PUR Executive Director will report whether or not the contractor was local and the number of person days employed by contractors to complete this project.</p>

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- 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?

The culvert replacement will not remove any merchantable materials.

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.)

Umpqua Basin Fish Access Team (UBFAT) model results; the PUR Umpqua Basin Action Plan, the UBWC Middle South Umpqua/Rice Creek Watershed Assessment, the Forest Practices Act and the Oregon Plan for Salmon and Watersheds.

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

Bob Kinyon, PUR Executive Director
Terry Luecker, PUR Planner

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.**)