

**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**

<b>1. Project Name:</b> Buck Creek Habitat Improvement	<b>2. County:</b> Douglas
<b>3. Sponsoring Organization:</b> Elk Creek WSC	<b>4. Date:</b> 4 August 2007
<b>5. Sponsor's Phone Number:</b> (541) 836-7206	
<b>6. Sponsor's E-mail:</b> <a href="mailto:Russell.leland@gmail.com">Russell.leland@gmail.com</a>	

<b>7. Project Location</b> (attach project area map)	
a. Description of Location: <b>Umpqua Basin</b> (See attached map for more details)	
b. Sub Basin Name (4 <sup>th</sup> Field Watershed; e.g. North Umpqua): <b>Main Umpqua</b>	
c. Watershed Name (5 <sup>th</sup> Field Watershed; e.g. Little River): <b>Elk Creek Basin</b>	
d. Legal Location: Township <b>21</b> Range <b>4W</b> Section(s) <b>33</b>	
e. BLM District: <b>Roseburg</b>	e. BLM Resource Area <b>Swiftwater</b>
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)

This application seeks additional funding to complete the Buck Creek Instream Habitat Restoration Project.

In June of 2006 the Elk Creek Watershed Council was awarded \$26,173 from the Roseburg BLM Title II RAC for the Buck Creek Instream Restoration Project. This project proposed to replace three (3) failing, undersized culverts with a railroad car bridge, to construct a series of rock and log weirs along a section of the creek which has eroded to bedrock, and to place large wood structures at twelve (12) sites along a 1¼ mile segment of low-gradient Coho habitat on private lands in the Buck Creek Watershed. In early 2007, an additional \$92,875 was awarded by OWEB and the Douglas County SHIP, and the project was expanded to include the replacement of an additional undersized culvert with a bridge. Applications to the Umpqua Fish Enhancement Derby were unsuccessful.

In the spring of 2007, the designs and engineering for the project were completed by Don Porior of Porior Engineering. Based on the engineer's estimates, it appeared the project was under-funded. Estimates in the preliminary budgets which were used for the grant applications were low. An additional shortfall was created because the Fish Derby application was unsuccessful.

Though there wasn't enough funding to complete the entire project, the Council has

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nevertheless moved ahead. The permit applications have been prepared and submitted to the Oregon Department of State Lands and the Army Corps of Engineers. These are expected to be approved by August 15<sup>th</sup>. Construction contracts have been prepared, and bids solicited from interested contractors. The contract for the replacement of the original culverts has been awarded, and will be signed by August 15<sup>th</sup>. The bridge structure for this crossing has been ordered, and delivery should be completed by August 20<sup>th</sup>; construction should begin soon after.

Contracts for the construction of the rock and log weirs, and for the large wood structures will be started as soon as a source of logs is selected. Construction should begin by the end of August, and will complete as much of the project as current funding will allow. Bids have been received for the second culvert replacement, but contracts will not be awarded until additional funding is secured. This application will provide this additional funding.

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

An excavator will be used to remove an old boiler tank which is currently serving as a culvert under a private driveway across Buck Creek. This "culvert" will be replaced with a 40' railroad car bridge. Designs have been completed by Don Porior of Porior Engineering.

Funding will also be used to complete placement of large wood at twelve (12) sites along a 1¼ mile section of low gradient Coho habitat on private lands on Buck Creek.

This culvert replacement, and the large wood placement, is part of the Buck Creek Instream Restoration Project which will also replace three (3) failing, undersized culverts at another crossing, construct a series of rock and log weirs to help trap gravel in a section of the creek which has eroded to bedrock, and place LWD log jams at twelve (12) sites along a 1¼ mile section of the creek.

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

This project will improve the cooperative relationships among the Roseburg District BLM, the Elk Creek Watershed Council, and the private landowners in the Buck Creek Watershed.

In addition to the relationships built among local private landowners for the

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implementation of this project, and others ongoing in the area, the project is consistent with other agency activities in the Buck Creek watershed:

- Douglas County replaced a culvert under the County Road (Buck Creek Road) in the summer of 2006 with a large "fish-friendly" culvert.
- BLM manages land in the headwaters of Buck Creek, and has replaced several culverts on their lands. They are planning a timber sale in the area, and will be repairing a slide on one of their roads on the south fork of Buck Creek.
- All this work will contribute to the restoration of a significant portion of the Buck Creek watershed.

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

This project will restore habitat and improve water quality in the Buck Creek watershed. The project benefits the public in several ways:

- The project improves fish habitat in an important Coho Salmon stream. Improved fish runs are a benefit to all segments of the public.
- The project benefits the local economy by maintaining infrastructure important to both the people of Douglas County and to the interests of landowners.
- The project will create jobs for local contractors who are expected to bid on construction.
- This project will build better working relationships among the Elk Creek Watershed Council, ODFW, local landowners, and the Roseburg District BLM. These relationships are important to the overall success of the voluntary watershed restoration approach of the Oregon Plan for Salmon and Watersheds.

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<b>12. Who will accomplish the project?</b>	
<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Federal Workforce
<input type="checkbox"/> County Workforce	<input type="checkbox"/> Volunteers
<input checked="" type="checkbox"/> Other (specify): The Elk Creek Watershed Council will: <ul style="list-style-type: none"><li>• Secure funding.</li><li>• Apply for all required permits.</li><li>• Develop and enter into contracts for the performance of project work.</li><li>• Coordinate and manage the project.</li><li>• Administer all grant funds.</li><li>• Prepare all documents and reports as required by funding agencies.</li></ul> ODFW will : <ul style="list-style-type: none"><li>• Supervise construction.</li><li>• Conduct pre- and post-project monitoring.</li></ul> Participating landowners will: <ul style="list-style-type: none"><li>• Permit access to their lands.</li><li>• Provide logs for the large wood structures.</li></ul>	

<b>13. Is this project coordinated with other related project(s) on adjacent lands?</b>
a. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    (If yes, then describe)
As mentioned previously, this project is part of the larger Buck Creek Instream Habitat Restoration Project. It also compliments other restoration work in the Buck Creek Watershed. Work currently underway or planned for this watershed includes: <ol style="list-style-type: none"><li>1. <u>Buck Creek Instream Habitat Restoration Project:</u> [In progress]<ul style="list-style-type: none"><li>▪ Replacement of four (4) failing, undersized culverts with railroad car bridges. (Elk Creek Watershed Council - 2007/2008)</li><li>▪ Restoration of eight hundred feet of channel that has eroded down to bedrock due to channel modification. This will include construction of approximately ten (10) full spanning rock or log weirs, and placement of boulders at an additional seven (7) sites to trap gravel and reestablish a riffle/pool regime. (Elk Creek Watershed Council - 2007)</li><li>▪ Placement of large wood log jams at twelve (12) sites along a 1½ mile section of Buck Creek to increase stream complexity and improve habitat for Coho, Steelhead, and Cutthroat Trout. (Elk Creek Watershed Council - 2007)</li></ul></li></ol>

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2. OWEB Technical Assistance Grant: [Awarded - Spring 2007]

- Develop designs and engineering plans to connect a large farm pond to the Buck Creek channel to provide off-channel winter habitat for juvenile Coho. (Fall 2007)
- Develop designs and engineering plans to enlarge an existing wetland pond and to connect it to the Buck Creek channel to provide off-channel winter habitat for juvenile Coho. (Fall 2007)
- Develop a riparian restoration plan for the entire  $1\frac{1}{4}$  mile section of the project area. (Fall 2007)

3. Buck Creek Off-channel Habitat Project: [Applications]

- Implement designs developed from the OWEB Technical Assistance grant.
- Construct two (2) off-channel over winter habitats for juvenile Coho.
- Remove invasive vegetation (blackberries and Scotch Broom) and replant with native trees and shrubs.

4. Buck Creek Fish Passage Enhancement: [Applications]

- . Restore historical sinuosity to the Buck Creek channel and reroute the channel to avoid a section where the creek is forced over a large inclined section of bedrock by several large blocks of concrete. The combination of the inclined bedrock and the concrete has increased water velocities which are restricting fish passage.

5. Douglas County Public Works Department:

- Replacement of two (2) undersized culverts under the county road with a large "fish friendly" culvert. (Douglas County - Completed 2006)

6. Elk Creek Watershed Council: [Future plans]

- Plans are being made to recruit landowners along the rest of the low-gradient reaches of Buck Creek, and to complete restoration of the entire area.

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

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

Fish habitat and water quality improvements on private lands are important to the federal lands in the headwaters of the watershed. The improvements from this project will especially benefit Coho and Steelhead using the higher gradient stream reaches on the BLM lands above the project area.

<b>15. Measure of Project Accomplishments</b>	
a. Total Acres: <b>NA</b>	b. Total Miles: <b>N/A</b>
c. Number of Structures: <b>1</b>	d. Estimated Number of People Reached (for environmental education and workforce training projects): <b>NA</b>
e. Number of Laborer Days: <b>NA</b>	
f. Other (specify):	
g. Describe how long will the benefits of the project last: <b>Indefinitely</b>	

**16. Will the project generate merchantable materials?**

Yes       No      If yes, describe:

**17. How does the proposed project meet purposes of the legislation?** (Check at least one)

Improves maintenance of existing infrastructure.

Implements stewardship objectives that enhance forest ecosystems.

Restores and improves land health.

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 checked="" type="checkbox"/> Other Infrastructure Maintenance (specify): <b>Culvert Replacement</b>	
<input type="checkbox"/> Soil Productivity Improvement	<input checked="" 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 checked="" type="checkbox"/> Reestablish Native Species	
<input type="checkbox"/> Other Project Type (specify):	

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**19. Project Initiation and Estimated Completion Dates:** (Describe the timing of the major phases of the project)

- Project Designs. [Completed - Spring 2007]
- Permit Applications. [Completed - Spring 2007]
- Contract Preparation. [Completed - Spring 2007]
- Bid Solicitation. [Completed Spring - 2007]
- Contractor Selected. [Completed Spring - 2007]
- Secure additional funding. [Fall - 2007]
- Complete Project Implement. [Summer - 2008]

**20. Status of Project Planning**

<b>a.</b> NEPA process complete:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
<b>b.</b> Consultation complete:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
<b>c.</b> DSL/ODFW* permits for in-stream work obtained:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
<b>d.</b> DSL/COE* 404 fill/removal permit obtained:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
<b>e.</b> SHPO* concurrence received:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable
<b>f.</b> 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:

- Roseburg BLM District personnel have completed NEPA requirements consistent with the award of current Title II funding.
- Project designs have been completed by Don Porior of Porior Engineering.
- NMFS personnel reviewed the designs and are satisfied they meet current requirements.
- ODFW permits have been completed.
- DSL permits have been applied for, and should be approved by August 2007.
- Army COE permits have been applied for, and should be approved by August 2007.

\* 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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<b>21. Anticipated Project Costs</b>
a. Total Title II funds requested: <b>\$ 26,500</b>

**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		\$	\$ 2,042	\$ 2,042
Design & Engineering		\$ 4,000	\$ 4,000	\$ 8,000
Project/Contract Management		\$ 1,500	\$ 7,953	\$ 9,453
Project/Contract Implementation <sup>1</sup>		\$ 13,000	\$ 69,385	\$ 82,385
Materials & Supplies <sup>2</sup>		\$ 6,000	\$ 30,548	\$ 36,548
Post-Project Monitoring		\$	\$ 1,297	\$ 1,297
Mileage:		\$	\$ 849	\$ 849
Grant Administration		\$ 2,000	\$ 8,000	\$ 10,000
<b>Total Cost Estimate</b>		<b>\$ 26,500</b>	<b>\$ 124,074</b>	<b>\$ 150,574</b>

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

<sup>2</sup>If 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:**

"Other Contributions" in the budget include:

- OWEB: (Cash) \$ 88,225
- Title II: (2006) \$ 26,173
- Douglas County SHIP: (Cash) \$ 4,650
- ODFW: (In-kind) \$ 4,541
- Elk Creek Council: (In-kind) \$ 485
- \$ 124,074**

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**23. Monitoring Plan**

- 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?

Pre-project Monitoring:

- a. ODFW: Fish use
- b. ECWC: Photo documentation

Post-project Monitoring:

- c. ODFW: Fish use
- d. ECWC: Photo documentation

- 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?

Local contractors are likely to bid on, and have the contract awarded to them. No further evaluation is planned.

- 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?

Not applicable.

**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.)

Elk Creek Watershed Analysis (BLM-2004)  
Elk Creek Watershed Council Fisheries Summit (November 2006)  
Oregon Plan for Salmon and Watersheds (OWEB)  
Oregon Aquatic Habitat Restoration and Enhancement Guide (OWEB)  
Umpqua Agricultural Water Quality Management Area Plan (ODA)  
Umpqua Basin TMDL (DEQ)  
Oregon Coast Coho Conservation Plan (State of Oregon - 2007)

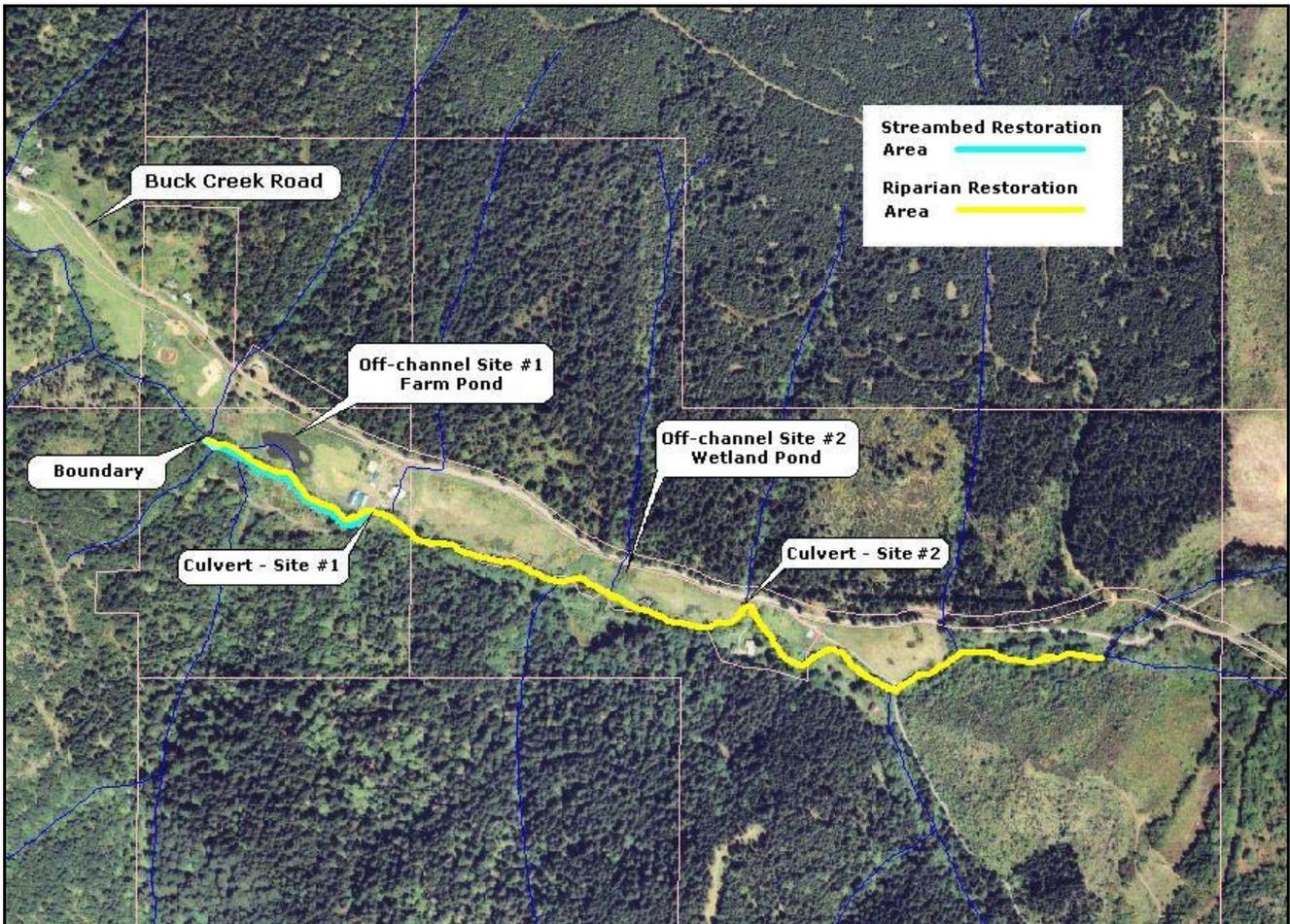
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**25. Who are the key people responsible for this project?** (List their names and titles)

Lee Russell - Elk Creek Watershed Council Coordinator  
James Mast - Elk Creek Watershed Council Chairman  
Jim Brick - ODFW Fisheries Biologist  
Don Porior - Engineer - Porior Engineering

**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.)

**Buck Creek Instream Habitat Project: Site Photo [Clark culvert is Site #2]**



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**Clark Culvert: Site #2**

