

**Title II Project Application**  
**COOS BAY DISTRICT**  
**Resource Advisory Committee**

**1. Project Number** (Assigned by federal unit): \_\_\_\_\_

<b>2. Project Name:</b> Soup Creek 23-9-19.0 Culvert Replacement	<b>3. County:</b> Douglas
<b>4. Project Sponsor:</b> Pat Olmstead	<b>5. Date:</b> May 1, 2002
<b>6. Sponsor's Phone Number:</b> (541) 756-0100	
<b>7. Sponsors E-mail:</b> Pat_Olmstead@or.blm.gov	

**8. Project Location**

Umpqua Subbasin (17100303)  
Mill Creek/ Umpqua River Watershed (1710030305)  
Lake Creek Subwatershed (171003030502)  
Soup Creek Drainage  
Township 23S, Range 09W, Section 21  
Coos Bay BLM District  
Umpqua Field Office

State / Private / Other lands involved? No

**9. Statement of Project Goals and Objectives:**

This is a watershed restoration project whose primary goals are to reduce existing risks to aquatic species/habitats and to restore habitat quality and connectivity for aquatic and riparian dependant species. The project is designed to implement objectives of the Aquatic Conservation Strategy, as described in the Northwest Forest Plan including maintaining and restoring: watershed complexity, aquatic ecosystem connectivity, water quality, natural instream flows, sediment regimes, and native species.

**10. Project Description:**

This project proposes to replace an existing culvert on Soup Creek at the Soup Creek Road, BLM # 23-9-19.0 crossing. The new culvert will be designed to pass a wide variety of aquatic organisms. A grade control structure (boulder weir) would be placed below the culvert to raise the water level enough to backwater the outlet of the culvert, which will improve juvenile fish and amphibian passage. Replacing the existing culvert will improve upstream migration access for all aquatic species. Access to approximately 2.25 miles of habitat will be achieved and an undersized pipe with a plunge drop that prevents upstream migration by aquatic organisms will be eliminated. Furthermore, it can be expected that movements of less mobile aquatic species, especially amphibians, would also benefit from this culvert replacement. Installation of a culvert sized to the appropriate channel dimensions would allow for re-establishing a more natural sediment and wood routing regime.

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**11. Coordination of this project with other related project(s) on adjacent lands?**

Yes. This project will indirectly compliment other projects that have been completed in the Soup Creek drainage.

**12. How does proposed project meet purposes of the Legislation?** [Sec. 203(b)(1)]

- Improves maintenance of existing infrastructure. [Sec. 2(b)]
- Implements stewardship objectives that enhance forest ecosystems. [Sec. 2(b)]
- Restores and improves land health. [Sec. 2(b)]
- Restores water quality. [Sec. 2(b)]

**13. Project Type** (check one) [Sec. 203(b)(1)]

- Road Maintenance [Sec. 2(b)(2)(A)]
- Watershed Restoration & Mntc. [Sec. 2(b)(2)(D)]
- Fish Habitat Restoration [Sec. 2(b)(2)(E)]

**14. Measure of Project Accomplishments/Expected Outcomes** [Sec. 203(b)(5)]

Improved access to approximately 2.25 miles of fish habitat by replacing an impassable culvert, which would take approximately five ten-hour laborer days.

**15. Duration of Project and Estimated Completion Date:** [Sec. 203(b)(2)]

One week on site and one week of preparation time for contractor to be completed by the end of the in-channel work period September 15, 2003.

**16. Target Species Benefited:**

This project is on Soup Creek a tributary of Lake Creek above Loon Lake. The Loon Lake outlet is a natural long-standing barrier to anadromous fish passage. Resident cutthroat trout is the target fish species most expected to benefit from the replacement of this culvert, however all aquatic species including amphibians are expected to benefit from improved upstream access.

**17. How will cooperative relationships among people that use federal lands be improved?** [Sec. 2(b)(3)]

This project is expected to foster cooperative relationships among individuals and groups with diverse interests because it focuses on an area of agreement rather than controversy. Regardless of differing views on other aspects of public land management, clean water and healthy streams, and supporting stable populations of native fish and wildlife species are long-term ecological goals that most Coos Bay District user's support.

**18. How is this project in the best public interest?** [Sec. 203(b)(7)] **Identify benefits to communities.**

This project is considered to be in the best public interest because it contributes positively toward

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maintaining and enhancing water quality and fish and wildlife habitat for both current and future generations of Federal Land users. Additionally, implementation of the project may benefit the community by providing local employment opportunities. Furthermore, the replacement of the culvert maintains and upgrades existing infrastructure.

**19. How does project benefit federal lands/resources?**

This project will improve fish passage to spawning and rearing habitat upstream of the culvert. Increasing the size of the culvert will improve hydrologic functions by allowing proper sediment and wood routing, and downstream channel maintenance. It will also help improve habitat access and increase population viability for other vertebrate and invertebrate species that exist on public land by increasing habitat connectivity.

**20. Status of Project Planning**

- a. NEPA Complete:  No  
Est. date of completion: July 2002
- c. NMFS Sec. 7 ESA Consultation Complete:  Yes
- d. USFWS Sec. 7 ESA Consultation Complete:  Yes
- e. Survey & Manage Complete:  No
- f. DSL/ODFW\* Permits for In-stream Work Obtained:  No
- g. DSL/COE\* 404 Fill/Removal Permit Obtained:  Not Applicable
- h. SHPO\* Concurrence Received:  Not Applicable
- i. Project Design(s) Completed:  No

\* DSL = Dept. of State Lands, ODFW = Oregon Dept. of Fish and Wildlife, COE = Army Corps of Engineers, SHPO = State Historic Preservation Officer

**21. Proposed Method(s) of Accomplishment**

Contract

**22. Will the Project Generate Merchantable Materials?** [Sec. 204(e)(3)]

No.

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**23. Anticipated Project Costs** [Sec. 203(b)(3)]

- a. Total County Title II Funds Requested: \$
- b. Is this a multi-year funding request? No.

**Table 1. Project Cost Analysis**

Item	<i>Column A</i> <b>Fed. Agency Appropriated Contribution</b> [Sec. 203(b)(4)]	<i>Column B</i> <b>Requested County Title II Contribution</b> [Sec. 203(b)(4)]	<i>Column C</i> <b>Other Contributions</b> [Sec. 203(b)(4)]	<i>Column D</i> <b>Total Available Funds</b>
24. Project Development				
25. Contracting				
26. Monitoring				
<b>27. Total Cost Estimate</b>				

**38. Identify Source(s) of Other Funding for Project Identified Above** [Sec. 203(b)(4)]

Agency appropriated funds may be available at some time in the future, but currently there are more restoration opportunities than there is funding available.

**39. Monitoring Plan** [Sec. 203(b)(6)]

- a. **What measures or evaluations will be made to determine how well the proposed project meets the desired ecological conditions?** [Sec. 203(b)(6)] **Who will be responsible for this monitoring item?**

**BLM Fisheries Biologist** – Monitoring will be done primarily through spawning surveys above the site to determine fish passage and photo points to document visible changes. This will occur annually for four years.

- b. **How will the project be evaluated to determine how well the proposed project contributes towards local employment and/or training opportunities, including summer youth jobs programs such as the Youth Conservation Corps?** [Sec. 203(b)(6)] **Who will be responsible for this monitoring item?**

**The District Manager** – This project will be considered successful at emphasizing local employment and training opportunities if local contractors are hired to complete the road

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improvement work and if local contractors, high school students, YCC Groups, or other local interest groups are trained and utilized to complete monitoring activities.

- c. What methods and measures of evaluation 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? [Sec. 203(b)(6) and Sec. 204(e)(3)] Who will be responsible for this monitoring item?**

Not Applicable.

- d. Identify total funding needed to carry out specified monitoring tasks (Table 1, item 33)**  
Amount: \$1,100.00