

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

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

<b>2. Project Name:</b> Bum Creek and South Sisters Creek Instream Structure Placement	<b>3. County:</b> Douglas
<b>4. Project Sponsor:</b> Aimee Hoefs	<b>5. Date:</b> 5/03/2002
<b>6. Sponsors Phone Number:</b> (541) 756-0100	
<b>7. Sponsors E-mail:</b> Aimee_Hoefs@or.blm.gov	

**8. Project Location**

Umpqua Subbasin (17100303)  
Upper Smith River Watershed (1710030306)  
Twin Sisters Subwatershed  
South Sisters Creek Drainage  
Township 20S, Range 08W, Section 13  
Coos Bay Bureau of Land Management 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 dependent 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. Project specific objectives are to increase spawning habitat, over-wintering habitat for juvenile salmonids and other aquatic organisms, and add to the complexity of the existing habitat.

**10. Project Description:**

This is an instream wood placement project consisting of the placement of approximately 50 to 65 pieces of wood into large wood complexes (jams) or as single piece additions. Wood will be placed in such a manner as to simulate natural wood delivery and accumulation in the stream channel. Care will be taken to minimize damage to the surrounding vegetation. Ground disturbance is expected to be minimal.

Oregon Department of Fish and Wildlife (ODFW) habitat inventories indicate that both of these stream reaches are deficient in large wood. Both South Sisters Creek and Bum Creek reaches are rated "Poor" for Large Woody Debris Pieces per 100 meters of stream and for Large Wood "Key" Pieces per 100

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meters of stream. This missing habitat component is also reflected in the current coho habitat ratings; "Poor" for Bum and a low "Fair" for South Sisters. Adding large wood to these reaches will increase the quality and amount of habitat for fish and aquatic species.

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

Yes. One culvert modification on Bum Creek, 3 culvert replacements on South Sisters Creek, and 1 road decommissioning project along upper Bum Creek are planned to be completed during the summer of 2002. A possible road upgrade project is planned for the summer of 2003 and a possible riparian silviculture project is planned for 2004.

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

- Ⓒ 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)]

- Ⓒ 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)]

50 to 65 pices over 1.25 miles of habitat complexity added to Bum Creek and South Sisters Creek.  
Number of Laborer Days is approximately 40.

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

Approximately 10 days to be completed by the end of the 2003 summer.

**16. Target Species Benefited:** (if applicable)

This project is expected to benefit a variety of fish and wildlife species including, but not limited to coho salmon, steelhead trout, cutthroat trout and lamprey.

**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 will benefit the community by providing local employment opportunities.

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

The project is expected to improve spawning habitat, over-wintering habitat for juveniles, and will enhance habitat complexity. Currently, spawning gravel is limited in these portions of Bum Creek and South Sisters Creek, and redds (gravel salmon nests) often become superimposed (dug up by other spawning fish). The additional gravels collected by these improved wood complexes is expected to improve the quality of the spawning habitat and thus reduce the amount of redd superimposition. The project will also provide additional over-winter protective cover. This, along with increased habitat complexity, will hopefully increase juvenile survival and ultimately the number of returning adults. It will also help increase population viability for other vertebrate and invertebrate species that exist on public land by increasing habitat complexity.

**20. Status of Project Planning**

- a. NEPA Complete:  No  
If no, give 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: 10,200.00
  - b. Is this a multi-year funding request? No.

**Table 1. Project Cost Analysis**

<b>Item</b>	<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>				

- 28. 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.

**29. 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** - Spawning surveys on Bum Creek and South Sisters Creek would be conducted every year by the Coos Bay BLM, Umpqua Field Office. In addition, any stream restoration projects are commonly monitored by conducting cross-sections and establishing photo points to record changes over longer periods of time. Changes in the stream morphology, i.e. its profile, could be observed. This project would have at least this level of monitoring.

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- 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 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: \$1,500 for photo points, cross sections and spawning surveys.