

Title II Project Application
COOS BAY DISTRICT
Resource Advisory Committee

1. Project Number (Assigned by federal unit): _____

2. Project Name: West Fork Mosestown Creek Culvert Replacement	3. County: Douglas
4. Project Sponsor: Pat Olmstead	5. Date: May 1, 2002
6. Sponsor's Phone Number: (541) 756-0100	
7. Sponsors E-mail: Pat_Olmstead@or.blm.gov	

8. Project Location

Umpqua Subbasin (17100303)
Upper Smith River Watershed (1710030306)
Upper Lower Smith River Subwatershed (171003030604)
Mosestown Creek Drainage
Township 21S, Range 08W, Section 16
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 the existing culvert on the West Fork Mosestown Creek with a culvert designed to pass a wide variety of aquatic organisms. Replacing the existing culvert will improve juvenile and adult fish passage for resident and anadromous fish. Access to approximately 1.30 miles of habitat will be improved and an undersized pipe that results in a high outlet drop and high within pipe flow velocities will be eliminated as a result of this culvert replacement. The new culvert design will allow for natural substrate to collect within the bottom of the culvert. A natural substrate bottom provides friction and reduced streamflow velocities which ease upstream migration for several aquatic species. 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 in the Oxbow Restoration planning area.

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 1.30 miles of fish habitat, 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 on September 15th, 2003.

16. Target Species Benefited:

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

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 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

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maintains and upgrades existing infrastructure.

19. How does project benefit federal lands/resources?

This project will improve fish passage, at all life stages, to spawning and rearing habitat upstream of the culvert. 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. Increasing the size of the culvert will improve hydrologic functions by allowing proper sediment and wood routing, and downstream channel maintenance.

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

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, photo points to document visible changes, and pebble counts to determine substrate retention. 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