

Title II Project Application
COOS BAY DISTRICT
Resource Advisory Committee

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

| | |
|--|-----------------------------|
| 2. Project Name: South Sister 13B Culvert Replacement | 3. County: Douglas |
| 4. Project Sponsor: Aimee Hoefs | 5. Date: May 1, 2002 |
| 6. Sponsor's Phone Number: (541) 756-0100 | |
| 7. Sponsors E-mail: Aimee_Hoefs@or.blm.gov | |

8. Project Location (see attached project area map)

Umpqua Subbasin (17100303)
Upper Smith River Watershed (1710030306)
Twin Sisters Subwatershed (171003030603)
South Sisters Drainage
Township 20S, Range 08W, Section 13
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 undersized culvert and overflow pipe with one culvert designed to pass a wide variety of aquatic organisms. Grade control structures (boulder weirs) would be placed below the culvert to raise the water level, helping to improve juvenile fish and amphibian passage. Replacing the existing culvert will improve juvenile and adult fish passage for resident and anadromous fish. Approximately 0.5 miles of habitat will be opened, and a culvert outlet drop (4 foot) will be eliminated as a result of this culvert replacement. 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 reestablishing a more natural sediment and large wood routing regime as well as restoring hydrologic function.

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

Yes. This project will directly compliment three other culvert replacements along this road to be installed by September 15, 2002. Indirectly, this project will complement other planned projects within the Oxbow planning area such as instream structure placement and road upgrades.

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)]

Approximately 0.5 miles of potential habitat would be opened for fish utilization with several structures (a new culvert and boulder weirs). Installation and construction 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 September 15, 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, cutthroat trout, and Pacific 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 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. 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: \$75,350.00
- 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