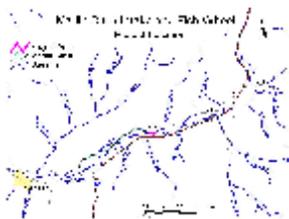


Title II Project Application
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1. Project Number (Assigned by federal unit): _____

2. Project Name: Martin Ditch Intake and Fish Wheel **3. County:** Douglas

4. Project Sponsor: Umpqua Basin Watershed Council **5. Date:** _____

5/27/02

6. Sponsors Phone # : (541)673-5756

7. Sponsor's E-mail: ubwc@yahoo.org

8. Project Location (attach project area map)

a. 4th Field Watershed Name and HUC #(if known): South Umpqua River 17100302

b. 5th Field Watershed Name and HUC #(if known): Middle Cow Creek 1710030207

c. Legal Location:

Township 32S Range 5W Section(s) 19

d. BLM District Medford

e. BLM Resource Area Glendale

f. National Forest _____

g. Forest Service District _____

h. State / Private / Other lands involved? Yes No

9. Statement of Project Goals and Objectives:

The project goal is to improve fish habitat along 0.5 miles of Cow Creek.

The first year objective is to create the engineering designs to:

1. Improve a fish wheel on Martin Ditch to current USFWS standards;
2. Create a permanent underground infiltration gallery to feed water into the Martin Ditch; and
3. Stabilize streambank upstream of the current push-up dam location.

The second year objective is to implement installation of the infiltration gallery and then streambank stabilization.

10. Project Description: (Provide concise description of project and attach map.)

The Middle Cow Creek Watershed was ranked as a high priority watershed by the Technical Advisory Committee of the Umpqua Basin Watershed Council (UBWC) and also by ODFW and OWRD. The Martin Ditch project is itself listed in the UBWC Middle Cow Creek Action Plan. Because of the Galesville reservoir, Cow Creek benefits from high flows in the summer and according to spawning surveys, Whitehorse Creek and Starveout Creek are used heavily by coho. Much of the watershed of these two streams is administered by the BLM.

The Martin Ditch holds the oldest water right on Cow Creek and every year the owner of the property at the beginning of the ditch has to create and maintain a push-up dam which directs water into Martin Ditch. Over the years, the location of the dam had to be moved further and further upstream as Cow Creek has widened and moved. The stream-channel upstream has widened, and even though further upstream flows are 40 cfs in the summer, this part of Cow Creek becomes intermittent as the channel has widened. Additionally, one side of the creek bank undercut and the creek removed the riparian area. Now this reach has 10-foot banks and more land is eroding rapidly.

The landowner at the beginning of the ditch and the one directly upstream are members of the Landowner Group of the Middle Cow Creek Watershed Assessment, conducted by the UBWC. At a field tour of this

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property with USFWS geomorphologist Janine Castro, she explained that the deteriorating stream banks and stream channel is likely a result of yearly disturbance when the push-up dam is erected, and therefore, the stream channel does not have the opportunity to stabilize.

The water right holders along the Martin Ditch want to continue to use the ditch as their water source. Therefore, the UBWC has proposed three steps to improving the fish habitat at this section along Cow Creek.

The primary project will be to develop a permanent intake to the Martin Ditch. This will relieve the necessity of entering and disturbing the stream every year. Along Martin Ditch there is an old fish wheel, which does not have to comply with current standards. The goal is to update the fish wheel to comply with current standards. The final part of the project will be to protect the stream bank from further erosion. In the field tour, Janine Castro confirmed that there is a high probability of success for streambank stabilization, since the landowners are willing to allow several acres on the other side of the creek to serve as a floodplain. She suggested several methods, such as log weirs, rock weirs, and/or Christmas tree revetments that could be used to protect the stream bank. Planting would follow these projects.

The proposed project for the current year is to fund the engineering design needed to perform the three parts of the project. Next year's proposed project is to restore the intake of the Martin Ditch, update the fish wheel, and stabilize the stream bank upstream of the current push-up dam location. Other funds will be sought through the Oregon Department of Fish and Wildlife (ODFW) fish screening program and U.S. Fish and Wildlife Service (USFWS) Fisheries Restoration and Irrigation Mitigation Program (FRIMA) to improve the fish wheel and restore the intake. The National Resource Conservation Service (NRCS) will also provide technical assistance.

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

Yes No If yes, then describe.

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)]

- | | |
|--|---|
| <input type="checkbox"/> Road Maintenance [Sec. 2(b)(2)(A)] | <input type="checkbox"/> Trail Maintenance [Sec. 2(b)(2)(A)] |
| <input type="checkbox"/> Road Decommission/Obliteration [Sec. 2(b)(2)(A)] | <input type="checkbox"/> Trail Obliteration [Sec. 2(b)(2)(A)] |
| <input type="checkbox"/> Other Infrastructure Maintenance (specify): _____ [Sec. 2(b)(2)(A)] | |
| <input type="checkbox"/> Soil Productivity Improvement [Sec. 2(b)(2)(B)] | <input type="checkbox"/> Forest Health Improvement [Sec. 2(b)(2)(C)] |
| <input checked="" type="checkbox"/> Watershed Restoration & Mntc. [Sec. 2(b)(2)(D)] | <input type="checkbox"/> Wildlife Habitat Restoration [Sec. 2(b)(2)(E)] |
| <input type="checkbox"/> Fish Habitat Restoration [Sec. 2(b)(2)(E)] | <input type="checkbox"/> Control of Noxious Weeds [Sec. 2(b)(2)(F)] |
| <input type="checkbox"/> Reestablish Native Species [Sec. 2(b)(2)(G)] | |

Other Project Type (specify) [Sec. 2(b)(2)]: Project Engineering

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

a. Total Acres: _____ b. Total Miles: 0.5

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- c. No. Structures: unknown - potentially several weirs
d. Estimated People Reached (for environmental education projects): 9
e. No. of Laborer Days: 20
f. Other (specify): Project Engineering for 3 projects

15. Duration of Project and Estimated Completion Date [Sec. 203(b)(2)]: Project duration will be approximately 20 days. The three components will be completed by September, 2003, with some riparian planting occurring over the next two years.

16. Target Species Benefitted: (if applicable) coho salmon, winter steelhead, fall chinook

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

Landowners will appreciate the assistance and skepticism will be overcome. This proposal will also help them see that "putting the stream back in its place" is not a viable option to erosion issues. This project might inspire other local landowners to form collective projects similar to this to resolve their stream issues.

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

This project addresses concerns of landowners as well as improves fish habitat – a win-win situation. Benefits of the community are realized through the employment of local contractors. This project very likely will increase property values, thence increasing the tax-base.

19. How does project benefit federal lands/resources?

The project area is part of the travel corridor to several heavily used fish streams that are tributaries of Cow Creek below the Galesville Dam. Improving the fish habitat will reduce fish stress and mortality and improve fish runs. The BLM administers 39% of the Middle Cow Creek Watershed, in which this project is located.

20. Status of Project Planning

- a. NEPA Complete: Yes X No Not Applicable
b. If No, give est. date of completion: Spring, 2003
c. NMFS Sec. 7 ESA Consultation Complete: Yes X No Not Applicable
d. USFWS Sec. 7 ESA Consultation Complete: Yes No X Not Applicable
e. Survey & Manage Complete: Yes No X Not Applicable
f. DSL/ODFW* Permits Obtained: Yes X No Not Applicable
g. DLS/COE* 404 Fill/Removal Permit Obtained: Yes X No Not Applicable
h. SHPO* Concurrence Received: Yes No X Not Applicable
i. Project Design(s) Completed: Yes X 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

- X Contract Federal Workforce

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County Workforce Volunteers
 Other (specify): UBWC staff

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

Yes No

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

a. Total County Title II Funds Requested: \$ 34,000.00

b. Is this a multi-year funding request? Yes No If yes, then display by fiscal year

c. FY02 Request: \$ _____ f. FY05 Request: \$ _____

d. FY03 Request: \$ 22,610 Request: \$ _____

e. FY04 Request: \$ 11,390

Item	Fed. Agency Appropriated Contribution [Sec. 203(b)(4)]	Requested County Title II Contribution [Sec. 203(b)(4)]	Other Contributions [Sec. 203(b)(4)]	Total Available Funds
24. Field Work & Site Surveys	1,000	3,044		4,044
25. NEPA & Sec.7 ESA Consultation	5,000	15,000		20,000
26. Permit Acquisition		1,144		1,144
27. Project Design & Engineering		2,720		2,720
28. Contract Preparation		1,091		1,091
29. Contract Administration		2,681		2,681
30. Contract Cost (Contracted Labor)		2,400	20,510	22,910
31. Workforce Cost				
32. Materials & Supplies		3,300	10,650	13,950
33. Monitoring		468	468	936
34. Other (Tree Planting)		675	675	1,350
35. Project Subtotal		17,523	12,303	29,826
36. Indirect Costs (Overhead) (per year for multiple year projects)		1,477	2,697	4,174
		\$34,000		\$75,000

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38. Identify Source(s) of Other Funding in Column C. Above [Sec. 203(b)(4)]

Funds for the fish wheel improvement will come from the ODFW fish screening program and the funds for the infiltration gallery project will sought through the U.S. Fish and Wildlife Service Fisheries Restoration and Irrigation Mitigation Program (FRIMA).

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?**

First, an engineer(s) with experience in fish wheel, infiltration gallery, and streambank stabilization will be chosen to design the project, then the plans will be reviewed by the USFWS geomorphologist and the UBWC's Technical Advisory Committee to ensure that the projects will benefit fish habitat.

Effectiveness monitoring photo points will be established by the UBWC field technician prior to starting the project. After the project is complete the fish wheel and infiltration gallery function will be monitored by the UBWC field technician with assistance from ODFW and OWRD as needed. Streambank stabilization and tree planting will be monitored by the UBWC field technician with assistance from the USFWS geomorphologist as needed. Monitoring will occur for 5 years. A report of findings will be made each year and entered in the UBWC project database for future use.

- 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?**

UBWC's policy is to hire and buy locally (Douglas County where possible). Material and labor jobs will be awarded to local contractors by the UBWC Coordinator where possible. A record is kept of all transactions and the place of residence of the contractor. A summary of those transactions can be made available for evaluation. We encourage contractors to hire and train new workers in the workforce. The project will be a success as local contractors are employed.

- 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 National Forest System 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?**

N/A

- d. Identify total funding needed to carry out specified monitoring tasks (Table 1, Item 33)**

Amount: _____\$468_____

Secure Rural Schools and Community Self-Determination Act of 2000
Public Law 106-393

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