

Project Proposal

Project Name: Catherine Creek Townley Dobbin Fish Passage

Project Sponsor:

Grande Ronde Model Watershed Foundation (GRMWF)
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La Grande, OR 97850
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Participating Landowners and Agencies

Grande Ronde Model Watershed Program (GRMWP)
Townley Dobbin Ditch Company
Anderson Perry & Associates (designs)

Project Contact(s):

Grande Ronde Model Watershed Program (technical)

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Grande Ronde Model Watershed Foundation (administrative)

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Introduction and Background

The project proposes to replace the channel-spanning Townley Dobbin diversion structure on Catherine Creek and install a bypass fishway. Catherine Creek is habitat for ESA listed Snake River summer steelhead, summer Chinook and bull trout as well as resident rainbow and other native fish. The existing water diversion structure is a channel-spanning, deteriorating concrete wall on which check boards are placed to divert irrigation water into the Townley Dobbin ditch on the north side of the channel. The structure is a complete barrier to juvenile salmonids and other resident fish after diversion boards are installed, usually sometime in July.

Project Location:

Project area description:

Legal description: T3N, R39E, Sec. 35, NE ¼ of the SW ¼

Project Objectives:

- Provide year-round fish passage for all life stages of all native species, particularly Snake River summer steelhead
- Maintain streambed and streambank stability

Proposed Actions:

- Remove the existing channel-spanning concrete structure
- Construct replacement channel-spanning concrete structure
- Construct and install fishway
- Erosion seed disturbed ground with native species

Construction is proposed for the in-water work period July 1 to August 15, 2010. Stream flow will need to be diverted around construction areas. Anderson-Perry & Associates (AP) of La Grande,

Oregon have completed the site survey, prepared the preliminary designs and cost estimates, and have completed final designs. ESA consultation with NOAA and USFWS has been completed. The Department of State Lands fill/removal permit has been acquired and the Corps of Engineers permit is pending. Cultural Resource SHPO and Tribal Section 106 concurrence has been received.

This topographic map depicts the Union, Oregon area. Key features include:

- Geographic Labels:** 'GRAND' (part of Grand River), 'Union', 'Townley Dobbin', 'Catherine River', 'Eastern Oregon Livestock Exhibition Grounds', 'High Sch', 'Cem' (Cemetery), 'Water Tank', 'Gravel Pit', and 'Union' (repeated in a yellow box).
- Topography:** Contour lines indicating elevations from 2750 to 3200 feet.
- Infrastructure:** A grid system with section numbers (13, 18, 19, 24) and road markers (203, 237).
- Landmarks:** 'BM 2787' (Benchmark), 'BM 2828', and 'x 3279' (spot elevation).
- Other Features:** A north arrow in the top left, a scale bar, and various smaller labels like 'BR 2753' and '2764'.

Townley Dobbin Diversion Site



Cross channel concrete wall with diversion boards