GRANDE RONDE MODEL WATERSHED

Prospectus of Proposed Project

Project Information - Give a descriptive name that consists of the name of the creek, landowner's name, and 3-5 word description of the kind of project.

Title: Camp Creek Diversion Fish Passage Improvement

Prime Sponsor: Nez Perce Tribe

Support Sponsor(s): The Nature Conservancy; GRMWP

Technical Contact - List the main contact for the project.

Name: Richard Christian

Organization: Nez Perce Tribe

Phone: (541) 432-2506 Email: richardc@nezperce.org

Landowner(s) and Agencies - List all landowners and agencies involved.

Name: The Nature Conservancy

Phone: (541) 426-3458 Email: jfields@TNC.ORG

Address: 906 S. River Street, Enterprise, Oregon, 97828

Name: Rick Jones

Phone: (253) 876-2330 Email: Rick.Jones@oldcastleprecast.com

Address:

Name: Joe Warnock, representing the Duckett family

Phone: 541-577-3255 Email: warnock@bmi.net

Address:

Name: The Freshwater Trust

Phone: (503)222-9091 x16 Email: david@thefreshwatertrust.org

Address: 65 SW Yamhill #200, Portland, Oregon 97204

Landowner Participation - Has the landowner been contacted? Are they supportive of the project? Are they contributing to the project?

The project is located on The Nature Conservancy's Zumwalt Preserve property. TNC has taken the lead on producing the designs for the project and have contributed funds to the designs. All of the other affected landowners have participated in the development of the preferred alternative and are fully supportive of the project.

Site Location

Stream Name: Camp Creek

River Mile: 1.0

Tributary To: Big Sheep Creek

GPS Coord LAT (optional): 45 degrees 33' 10.85"

GPS Coord LONG (optional): -116 degrees 52' 16.634"

Limiting Factors and Existing Conditions

The diversion is an earthen pushup dam. Imnaha Subbasin Plan mentions Camp Creek several times as an area with the potential for reduced sedimentation and barrier removal. Specifically, the plan identifies lower Camp Creek as a high priority for sediment restoration to benefit steelhead (Imnaha Management Plan p. 33-34). The plan also notes that irrigation diversions on lower Camp Creek obstruct steelhead migration. In addition, the Grande Ronde Model Watershed Plan notes that sedimentation is a problem in the Big Sheep Creek watershed, along with irrigation diversions (p. 53).

Species Affected

ESA-listed Snake River steelhead trout (Oncorhynchus mykiss) (spawning and rearing) & Spring/summer Chinook salmon (Oncorhynchus tshawytscha) (rearing)

Project Objectives - State which habitat parameters (watershed and fisheries) are being addressed and how this project will affect those parameters. Be as specific as possible, quantify where appropriate.

- Improve aquatic organism passage to 20 miles of habitat available above the Camp Creek diversion.
- Improve flow in Camp Creek by allowing the irrigation company improved control over diversion rates and conserving water by converting to a closed pipe system (0.25-0.5 cfs or 15-33% of base flows, based on previous flow measurement).
- Decrease sediment loading to Camp Creek by replacing an earthen push-up dam with a permanent concrete structure and roughened fish by-pass.

Proposed Actions

- Coordinate project funding and implementation with TNC, NPT, landowners and TFT.
- NPT will complete all environmental compliance requirements.
- Implement already completed final design where TNC is responsible for all contracting, NPT provides on-site technical assistance, and contract engineer and NPT provides construction oversight.
- Implementation complete by fall of 2011.

Identify Major Issues - Briefly describe any issues to implementation and approach to issue resolution.

The only major issue that has arisen to date is the cost relative to the low number of acres being irrigated. The project sponsors feel that the cost should be relative to the ecological and biological benefits realized. Thus, we included added measures to conserve water, as well as addressing the passage and sediment issues.

Roles and Responsibilities

- TNC - Landowner, project sponsor, coordination and contracting.
- NPT - Technical assistance, project sponsor, coordination and environmental compliance.
- TFT - Technical assistance, coordination, monitoring flows.
- Joe Warnock - Irrigator representative, coordination and project participant.

Permits and Consultation

Permit Name	*Applicable*	*Complete*	*If not, when do you expect to complete?*
ESA Section 7 - USFWS	☐	☐	
ESA Section 7 - NMFS	☒	☐	NMFS consultation should be completed by early summer 2010.
COE/DSL Permit	☐	☐	
Cultural Resources Sec. 106	☒	☐	CR survey and report should be completed by early summer 2010.

Metrics

Miles/Acres/Feet to be Restored: approximately 20 miles (STS) & 0.5 (CHS)

Project Schedule

Start: Spring 2010

Design: Fall and winter of 2009 (Complete)

Permitting/Consultation: Mid summer of 2010

Construction: Mid to late summer of 2011

Monitoring: Immediately post implementation and periodically for 10 years. Flows have be

Relation to Subbasin Plan

☐ Grande Ronde Subbasin Plan

☒ Imnaha Subbasin Plan

Aquatic organism passage, sedimentation and irrigation water management are identified as parameters of concern in the NPCC Imnaha Subbasin Plan 2004. Document page #1, bullet C, sub-bullets:
2. Re-connect existing functional habitats.
3. Restore normative watershed processes in dysfunctional habitats.
4. Perform instream or other enhancements.

Proposed Project Relation to other Projects - Is the project part of a multi-phase effort, is this work tying to previous work in the watershed/stream

This project will supplement improvements being made to the headwaters of Camp creek. The upper Camp Creek project , to be implemented in 2010, includes removing two ponds that are passage barriers to juvenile steelhead, and 9 others that impound water and sediment in the stream, or are failing and creating excess sediment. The project will also replace a failing set of culverts, improve channel morphology along approximately 600 feet of Camp creek, create new large riparian pastures and plant and protect 10,000 shrub seedlings in the riparian area.

Benefits

- Restored passage.
- Reduced sedimentation, erosion and improved bedload transport conditions.
- Conserve water and increase instream flows in Camp and Big Sheep Creeks.
- Improved irrigation water management

Monitoring Plan

- Completion report as per BPA reporting guidelines.
- Monitor flows in Camp Creek and the ditch to evaluate flow conservation.
- Monitoring reports addressing proposed objectives and benefits.

Preliminary Cost Estimate

Total: $201,000

Requested GRMW Funding:

Requested BiOp Funding: $125,000