12c. Evaluation Proposal
In-Stream Passage

Applicants must respond to the following items. The local citizen and technical advisory groups will use the evaluation proposal to evaluate your project. Applicants should contact their lead entity for additional information that may be required.

Up to eight pages may be submitted for each project evaluation proposal.

(SUBMIT INFORMATION VIA PRISM ATTACHMENT PROCESS OR ON PAPER)

For prioritization questions or technical assistance, contact Dave Caudill at Department of Fish and Wildlife (WDFW) at (360) 902-2486 or at caudidsc@dfw.wa.gov. For engineering design questions or technical assistance, contact Patrick Powers at WDFW at (360) 902-2546 or at powerpdp@dfw.wa.gov.

NOTE: this information, along with information provided in Section 12d-WDFW Fish Passage Data Forms will be evaluated by WDFW and comments forwarded to the Advisory Panel for consideration.

I. BACKGROUND

Describe the fish resources (number of species or unique populations), the current habitat conditions, and other current and historic factors important to understanding this project. Be specific—avoid general statements. When possible, document your sources of information by citing specific studies and reports.

Spring chinook salmon, steelhead, and bull trout use Peshastin Creek and its tributaries extensively. Peshastin Creek is considered important habitat spawning and rearing habitat for steelhead and bull trout, and Ingalls Creek, a tributary to Peshastin Creek, is an important subwatershed for bull trout. In general, lower Peshastin Creek has been impacted by the state highway, resulting in a loss of channel migration, riparian habitat, stream sinuosity, and gravel recruitment. Upstream migration may be impeded by low instream flows, and fish passage at the diversion structure impedes salmon migration and rearing ability.

Diversion structure is the subject of a Notice of Intent to Sue initiated by Washington Environmental Council under the federal Endangered Species Act. The Notice states that inadequate fish passage at the diversion structure as well as low instream flows contribute to illegal "take" under ESA. Instream flows for fish habitat are being addressed through Wenatchee Watershed Planning Unit.

II. PROBLEM STATEMENT

Concisely describe the passage problem (outfall, velocity, slope, etc). Describe the current barrier (age, material, shape, and condition). Is the structure a complete or partial barrier? Describe the amount and quality of habitat to be opened if the barrier is corrected.

Diversion structure currently provides partial passage through a V-shaped notch approved by Washington Department of Fish and Wildlife in the 1970s. If barrier is corrected, full passage will be provided to 15+ miles of good to excellent habitat.

III. PROJECT OBJECTIVES

List the project's objectives. Objectives are statements of specific outcomes that typically can be measured or quantified over time. Objectives are more specific than goals (visions of the desired future condition) and less specific than tasks (the specific steps that would be taken to accomplish each of the objectives). For example, the objectives of a barrier removal project might be to provide fish passage, restore natural stream function, and riparian revegetation in the treated area. Explain how achieving the objectives will address and help solve the problem identified in II above.

Objectives of fish bypass project are to improve fish passage and resolve ESA litigation surrounding project.

IV. PROJECT APPROACH

- Has the project received a Priority Index (PI) Number? If yes, provide the PI number and indicate the method used: Physical Survey, Reduced Sample Full Survey, Expanded Threshold Determination, or WDFW Generated PI (list source, such as a study or inventory). No
- Identify if there are additional fish passage barriers downstream or upstream of this project. None
- Briefly describe the location of the project within the context of the watershed (estuary, main stem, tributary, etc) and the life cycle stage(s) affected. Project is located in lower Peshastin Creek and affects all life cycles of bull trout, Chinook, and steelhead.
- List the individuals and methods used to identify the project and its location.

  Project site has been used as irrigation water diversion for over 100 years.

- Describe the project design and how it will be implemented.

  Bureau of Reclamation engineers who are experts in fish passage design designed the project. Project includes removing a portion of the existing diversion dam and installing a roughened channel bypass system in its place. See attachments for project drawings.

- Explain how the project's cost estimates were determined.

Cost estimate is based on preliminary construction cost estimate from Bureau of Reclamation; administration costs; permitting and project management costs; and prior experience with similar projects.

ω Describe other approaches and opportunities that were considered to achieve the project's objectives.

Several alternative designs were considered. The roughened channel design was selected by consensus agreement between County, agencies, irrigation district, and adjacent landowner.

- List project partners. When appropriate, include a letter from each participating partner briefly outlining its role and contribution to the project. (See Section 15 for a sample format.)

Chelan County, US Bureau of Reclamation

- List all landowner names. Include a signed form from each landowner acknowledging their property is proposed for SRFB funding consideration. (See Section 16 for a sample format.)

Peshastin Irrigation District and Warren Hills

ω Describe your approach to the long-term stewardship of the facility.

Upon completion of project, Peshastin Irrigation District will assume all ownership and maintenance responsibilities of the facility as part of its ongoing responsibility to provide irrigation water to its users.

ω When known, identify the staff, consultants, and subcontractors that will be designing and implementing the project, including their names, qualifications, roles and responsibilities. If not yet known, describe the selection process.

Bureau of Reclamation engineers will complete final draft drawings. Consultant and contractor assistance will complete construction documents and implement the project and will be chosen through a competitive bidding process.

V. TASKS AND TIME SCHEDULE

List and describe the major tasks and time schedule you will use to complete the project. Describe your experience with managing this type of project.

Project will be completed by September 30, 2005.

VI. CONSTRAINTS AND UNCERTAINTIES

State any known constraints or uncertainties that may hinder successful completion of the project. Identify any possible problems, delays, or unanticipated expenses associated with project implementation. Explain how you will address these constraints.

Project is the subject of potential ESA legal action by Washington Environmental Council (WEC). The potential legal action may hinder development of the project unless Chelan County and WEC can reach agreement on project. Negotiations are underway and should result in an agreement acceptable to both parties.