



## Contact Information

# 2024 Upper Columbia Regional Project Pre-Application

\* Pre-applications due March 11, 2024 (COB)

\*Complete applications due in PRISM April 19, 2024 (COB)

\*Revised proposals due in PRISM May 24, 2024 (COB)

\*Final revised applications due in PRISM June 24, 2024 (noon)

<b>Project Title</b>	White River Floodplain Restoration Design
<b>Sponsor</b>	Chelan County Natural Resources Department
<b>Primary Contact</b>	Mike Kaputa
<b>E-Mail Address</b>	mike.kaputa@co.chelan.wa.us

## Budget Request

Values MAY be duplicative and do not have to equal TOTAL anticipated budget in pre-application.

<b>Anticipated Request - SRFB (standard round)</b>	250000
<b>Anticipated Request - Targeted Investment</b>	1,000,000
<b>Anticipated Request - Tributary Committee</b>	250000
<b>Anticipated Request - BPA Programmatic</b>	250000
<b>Anticipated TOTAL Budget</b>	1,000,000

## Project Location

<b>Briefly describe the location of the project</b>	The design effort will focus on the Little Wenatchee River Road crossing at the White River and include upstream and downstream floodplain
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Latitude (decimal degrees) 47.845759

Longitude (decimal degrees) -120.837876

Project subbasin Wenatchee

Wenatchee Assessment Unit(s) Lower White River

Does the proposed project span multiple assessment units? Yes

Reach(es) Name White River Lower 01 and 02

Identify the reach(es) priority/ reach ranking. Note: If the project involves work in multiple reaches, select "Multiple" and include details in the text box that will appear below. Please reference the Prioritization Web Map: <https://prioritization.ucsrb.org/>.  
 Unranked (not a priority or missing data)

## Project Information

**1. What are the project objectives? Objectives support and refine biological goals, breaking them down into small steps. Objectives are specific, quantifiable actions the project will complete to achieve the stated goal. Each objective should be SMART (Specific, Measurable, Achievable, Relevant, and Time-bound). Note: This exact question is included in the PRISM application. Example format: The project seeks to address [specify limiting factor(s)] for [limiting life stage(s)] by [specific actions proposed] to create an estimated [include specific target metrics, as described below] upon implementation in [estimated year].**

The project proposes to improve spawning and rearing conditions for spring Chinook by addressing channel incision, floodplain disconnection and lack of large woody material by developing road designs for the Little Wenatchee River Road across the White River floodplain which would remove the levee effect of the road, eliminate large woody debris removal at the bridge and allow for floodplain restoration and reconnection above and below the existing road.

**2. What species will the project benefit?** Spring Chinook Bull Trout

**3. Select the project's objectives and the associated tracking metrics** Design, Monitoring or Assessment

**4. Does this project already exist in Salmon Recovery Portal or PRISM?** No

**5. Has this project been submitted previously for funding through the SRFB and/or other process(es)?** No

**6. What category is the project?** Design

Is the project eligible for Riparian Funding?

No

## Design and Restoration Proposals

7. What project phase(s) are proposed for completion?

Conceptual Design

8. Is your project within a completed (or soon-to-be completed) Reach Assessment or other type of assessment (e.g., Rapid Site Assessment, other)?

Yes, LOWER WHITE RIVER REACH ASSESSMENT: CHANNEL AND FLOODPLAIN HYDROLOGY, GEOMORPHOLOGY, HABITAT, AND VEGETATION (HERRERA 2014)

9. Which limiting factors does the project propose to address?

Cover - Wood

Off-Channel - Floodplain

Off-Channel - Side-Channels

Pool Quantity & Quality

Pools - Deep Pools

Temperature - Adult Spawning

Temperature - Rearing

10. Which life stages will the proposed project address?

Spawning and Incubation

Summer Rearing

11. Freshwater Benefits - Describe how your project will improve survival, capacity and/or distribution for target species at the reach scale?

The project will improve survival and capacity by allowing for restoration of natural floodplain processes and wood recruitment in White River Lower reaches 1 and 2. These reaches are identified as Tier 1 priority for spawning and Tier 2 for rearing for spring Chinook. The existing reach assessment identifies extensive channel incision, ditching, lack of large woody material, removal of woody material at the bridge and flooding effects caused by the road as limiting factors in these reaches. The project aspires to remove the road fill and bridge impacts from the floodplain while maintaining the road functions, likely through a series of bridges and piers that would strategically allow for restoration of natural river processes.

12. Temporal Effect - Briefly describe how and to what extent the project would promote natural stream/watershed process consistent with the geomorphology of the stream?

Designs will likely include options for increasingly higher levels of restoration with higher levels of feasibility and cost, so funders would likely drive the design choices through their individual cost-benefit analyses.

13. Temporal Effect - How long will it take for the project to achieve its intended response?

1-10 years

14. Temporal Effect - How long will the restoration action and its benefits persist?

50+ years

15. Temporal Effect - What level and/or interval of maintenance is anticipated? What is the plan for any anticipated maintenance?

We would expect that the selected design would result in a lower maintenance requirement than the current bridge maintenance performed by Chelan County.

**16. Methods - Briefly describe the potential (for design) or proposed restoration methods and how they will achieve project objectives.**

Remove the effects of the existing road and bridge and restore the White River floodplain in a ~1.5 mile reach.

## Assessment Proposals

## Protection Proposals

## Monitoring Proposals

## Project Risk and Economic Benefits

**1. What is the landownership?** combination of local, state, private, land trust and federal

**2. Have you secured landowner participation in or acceptance for this project?**

No

### Please explain

Due to the large number of landowners who would need to be involved. we want to understand if there is support for the project before initiating broad landowner outreach and engagement efforts.

**3. Describe any land owner requirements (e.g., design elements, right-of-ways, access agreements, liability waivers, etc.) and if/how they could affect the project**

Chelan County will require that road ownership and maintenance responsibilities are not adversely affected.

**4. Will the project raise potential concerns for interest groups (e.g., recreational users) or the community at large (including upstream/ downstream/ adjacent landowners)?**

Unknown, though we would expect a high level of interest in the project if initiated. Almost all of the property in the vicinity has been acquired by agencies and the local land trust for conservation and restoration purposes so we would expect a high level of interest in restoration of these properties and the White River.

**5. Who will have the responsibility to manage and maintain the project? What is the responsibility of current or future landowners?**

Chelan County will continue to own and maintain the public road and would manage and maintain floodplain restoration projects in the project area consistent with project and permitting requirements.

**6. Are other projects being proposed immediately upstream or downstream of worksite?**

Yes

**7. Please describe the risk of failure associated with this project.**

Design options that would substantially address the levee effect of the existing road and constraints caused by the existing bridge may prove to be unattractive to funders.

**8. Is there any public outreach planned during and/or after implementation? Does the project build community support for salmon recovery efforts?**

There will be extensive engagement with the community if the design process is initiated. The project would be an ideal case for understanding the effect of roads/levees on floodplain function.

**9. Does the project represent an opportunity for economic benefit? How much benefit does the project create for the dollars invested?**

Consultants will benefit through design contracts, and there may be some marginal long-term benefit to Chelan County if road and bridge maintenance requirements are reduced.

**10. Describe any partnerships, their experience, and types of contributions supporting the project.**

None at this time.

## **Optional Section - Preparation for PRISM**

The following questions are identical to the questions RCO requires in the PRISM application. If desired, sponsors can complete associated questions early and copy responses into PRISM during the "Complete Application" phase due on April 19, 2024.

**Do you want to review and/or pre-populate PRISM questions?**

No

## **Supporting Documents**

[Upper Columbia Process Guide 2024](#)

[SRFB Manual 18 \(2024\)](#)

[RCO Application Resources \(2024\)](#)