



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)

Project Title	Colockum Creek Reach Assessment
Sponsor	Chelan County Natural Resources Department
Primary Contact	Stephen Lesky
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Budget Request

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

Anticipated Request - SRFB (standard round) \$127,500

Anticipated Other Funding \$22,500

Anticipated TOTAL Budget \$150,000

Other Funding Source(s)

State Conservation Commission -- Voluntary Stewardship Program

Project Location

Briefly describe the location of the project This project will occur throughout the Colockum basin along Colockum Creek starting at RM0 (confluence with Columbia River) to the end of anadromy. See "Reaches" below.

Latitude (decimal degrees) 47.29954167

Longitude (decimal degrees) -120.08987500

Project subbasin

Columbia River - small tributaries

Columbia River small tributaries HUC-12(s)

Colockum Basin HUC-12: 170200100402

Does the proposed project span multiple assessment units?

No

Reach(es) Name

Colockum Creek - 7 miles; Walker Canyon - 2 miles; North Fork Colockum - 2.5 miles; South Fork Colockum - 0.75 miles

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].

1. walk the length of the stream reaches during habitat assessment phase and flag barriers for later assessment with WDFW standards by CCNRD staff trained in these methods. Total miles expected to be 12 and likely 6 barriers, Based on 2006 assessment

2. Compile, inventory and review all known existing data of Colockum subbasin. This will provide for development of a complete watershed assessment and field plan tailored to the specific requirements of Colockum Creek.

3. conduct remote sensing analysis of the subbasin to delineate geomorphic reach breaks

4. A field plan will be developed for conducting a continuous habitat assessment and placing temporary hydrologic monitoring infrastructure. The habitat assessment will document existing conditions including; channel units and characteristic, floodplain morphology, riparian composition, channel substrate, large wood and incision. Barriers to fish passage will be identified and flagged for future evaluation. Sources of degradation and restoration opportunities will be identified and documented throughout survey extent.

2. What species will the project benefit?

Steelhead

Summer Chinook

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? Assessment

If applicable, what is the secondary project category? N/A

Is the project eligible for Riparian Funding? No

Design and Restoration Proposals

Assessment Proposals

7. What type of assessment are you proposing? Watershed

8. Is the assessment identified on the MaDMC monitoring and data gaps list? Yes

9. Describe how the assessment fills a regional priority and where that priority is identified.

Currently the Columbia River Tributaries (including Colockum Creek) are listed as Tier 1 Limiting Factors-Habitat Data Gap. This has been identified by the 2024 MaDMC UC Data Gaps roster (Data Gap ID 2.21)

10. Methods - What methods will you use in your assessment and how will they achieve your stated objective(s)?

1. walk approximately 12 miles of stream to identify fish passage barriers for later assessment.
 2. desktop review of all known data sources, previous studies and reports
 3. Geospatial analysis of GLO and LiDAR sources. LiDAR will be used to create a digital stream network. Further geospatial analysis will be conducted to generate a suite of geomorphic metrics to characterize the channel and floodplain continuously along the stream network.
- \$. Flined plan actions will be conducted through field surveys conducted by trained staff and consultants assisting with the assessment.

11. Will a design result from the project? No

13. Briefly describe why SRFB funds are necessary, rather than other sources of funding.

The lack of habitat and other data have made it difficult for reviewing committees to evaluate specific projects in this subbasin. SRFB funds are necessary to address the existing data gap. Once the data gap has been closed data collected from this assessment can be included in the prioritization tool. This will provide reviewing committees the required data for future project review in this subbasin.

Protection Proposals

Monitoring Proposals

Project Risk and Economic Benefits

1. What is the landownership? Primarily private. Some Chelan County ROW and WADNR lands in the upper reaches of the subbasin

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

Yes

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

Access on private lands is by landowner agreement only. Access to the creek is critical for this project, CCNRD has worked diligently to establish and maintain positive working relationships with the landowners within Colockum Creek drainage.

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

This project has the potential to for concern with the community at large within the Colockum watershed. Several natural disaster events, such as wildfires and flood events, coupled with unfortunate agency responses have caused strong community suspicion of outside organizations and agencies. Chelan County has worked diligently over the years to develop rapport and working relationships with members of the Colockum community.

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

CCNRD will be responsible for the management and maintenance of this project. The only obligation of current and future landowners for this project will be to allow access to the stream corridor for data gathering.

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

No

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

This project will be an assessment of the watershed. There are minimal, if any, risks of failure for this project. CCNRD has developed relationships with the private landowners in this drainage and have implemented a number of small projects within the Colockum Creek watershed. As an assessment project, physical alterations to the landscape will not take place reducing risk of failure to minimal levels. The main risk of failure for this proposal would be not filling a data gap. Colockum Creek is a very data-poor drainage as funding for assessments and surveys has historically been difficult to obtain.

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

CCNRD plans to conduct outreach with all landowners within the drainage and encourage their input to the project. CCNRD has a long-standing history of conducting outreach around salmon recovery and expressing its importance throughout Chelan County. If handled with respect for private property rights, this project will likely build support for salmon recovery.

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

This assessment will be the important first step in developing future restoration actions within Colockum Creek. This assessment on its own does provide a small amount of economic opportunity, through better understanding of how Colockum Creeks operates and behaves in flood conditions could help landowners in better protecting valuable ag lands during high flood times. Ultimately, this assessment will provide for economic benefit once restoration opportunities and strategies have been identified and can be implemented by local sponsors and contractors.

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

Chelan County has partnered with WDFW in collecting three years of pit tag data in the drainage (2015-2017) and has reviewed existing barriers and irrigation diversion screens with WDFW staff. Part of this

effort included repeated visits to the Stone Hill Bridge diversion screen to review functionality. The Voluntary Stewardship Program and Washington State Conservation Commission have been a funding partner in development of a technical memo to review screen alternatives for diversions and is providing match for the assessment proposal.

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 \(2024\)](#)