Small Grants Program Proposal

Project Number	*LCFRB Administration Use Only*
Project Name	
Applicant	*Individual or Organization*
Fund Requested *Check one*	☐ *Columbia River or its tributaries within WRIAs 25,26, or 27* ☐ *North Fork Lewis River or its north-shore tributaries*

Please respond to each question individually. Do not summarize answers collectively in essay format. ***Limit the response to ten pages (single-sided), excluding supplemental questions****, with no smaller than 11 pt. font. The sponsor may delete the italicized portion of the questions and inapplicable supplemental questions to shorten the proposal.*

1. **Project brief.** *In one or two sentences, what do you propose to do?*

2. **Project location.** *Describe the geographic location, water bodies, and the location of the project in the watershed, i.e. nearshore, tributary, main stem, off-channel, etc. Be as specific as possible to help determine if location is eligible for funding. Written description should be supported by a separate map document.*

3. **Problem statement.** *What are the problems your project seeks to address? Include the source and scale of each problem. Describe the site, reach, and watershed conditions. Describe how those conditions impact focal species populations. Include current and historic factors important to understand the problems.*

4. **List the focal species present at the site and targeted by this project.** *Applicable focal species for these grant programs are salmon, steelhead, cutthroat trout, and lamprey. For information on these species and their limiting factors see the Lower Columbia Salmon Recovery and Fish & Wildlife Subbasin Plan (Volume I, Chapters 2 and 8 ; Volume II, Chapters A and K).*

Species	Life History Present (egg, juvenile, adult)	Current Population Trend (decline, stable, rising)	Endangered Species Act Coverage (Y/N)

5. **Project goals and objectives.**

   A. **What are the project's goals?** *The goal of the project should be to remedy observed problems, ideally by addressing or identifying the problems' root causes. The goal statements should articulate desired biological outcomes (the vision for desired future condition).*

      Goal examples:

      i. *Increase the amount of fully functioning riparian habitat in Johnson Creek to support large woody material recruitment, bank stability and nutrient inputs.*

      ii. *Determine the effect of floodplain reconnection projects on summer temperatures in newly established Johnson Creek pools.*

   B. **What are the project's objectives?** *Objectives support and refine biological goals, breaking them down into smaller 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. Monitoring project objectives should tell a reader what the sponsor wants to learn rather than what they will do. The description should include clearly stated, testable hypotheses.*

      Objective examples:

      i. *Increase stream shading by at least 30 percent in the treated areas by establishing a fenced 50-foot wide native riparian corridor adjacent to Johnson Creek within 1 year of funding.*

      ii. *Determine if daily maximum water temperatures during the summer months (July – September) reduce to less than 18 degrees Celsius in pools within the Johnson Creek floodplain reconnection project area.*

   C. **What are the assumptions and constraints that could impact whether you achieve your objectives?** *Assumptions and constraints are external conditions that are not under the direct control of the project, but directly impact the outcome of the project. These may include subsequent availability of funding, public acceptance of the project, land use constraints, geomorphic factors, additional expenses, delays, etc. How will you address these issues if they arise?*

6. **Project details.**

   A. **Provide a narrative description of the proposed project.** *Describe the specific project elements and explain how they will lead to the project's objectives. Include relevant existing project documentation (if any) as attachments in SalmonPORT.*

   B. **Provide a scope of work and detailed list of project deliverables.** *Provide a detailed description of the proposed project tasks, who will be responsible for each, what the project deliverables will be, and a schedule for accomplishing them.*

   C. **Explain how cost estimates were determined.** *Cost details should support the attached budget worksheet.*

   D. **Describe the design alternatives considered to achieve the project's objectives.** *Why was the preferred alternative chosen?*

   E. **Describe any long-term stewardship and maintenance obligations for the project.**

7. **Explain why it is important to do this project now instead of later.** *(Consider its sequence relative to other needs in the watershed and the current level and imminence of risk to habitat).*

8. **Why are LCFRB funds necessary, rather than funds from other sources?** *State if other funds are unavailable. Identify other funding partnerships involved and explain what aspects of monitoring the proposed SRFB funds will cover*

9. **If the project is a part of a larger overall project or strategy, describe the relationship between this project and the larger overall project or strategy.** *Attach a map that illustrates how this project fits into the overall strategy, if relevant.*

10. **Describe your experience managing this type of project.** *Please describe other projects where the sponsor successfully used a similar approach.*

11. **List all landowner names.** *If the project will occur on land not owned by the organization, attach a Landowner Acknowledgement Form in SalmonPORT from each landowner acknowledging that his/her property is proposed for funding consideration.*

12. **List project partners and their role and contribution to the project.** *Attach a Partner Contribution Form from each partner noted in SalmonPORT.*

13. **Stakeholder outreach**. *Discuss whether this project has any opposition or barriers to completion, besides funding. Describe the any public outreach and feedback received. Are there any public safety concerns with the project? How will the sponsor address those concerns?*

14. **Will the sponsor complete, or already completed, a preliminary design, final design/monitoring plan, and design report before construction or monitoring?**

15. **Will the sponsor apply for permits as part of this project's scope? Choose an answer**

    A. **If so, identify the permits required and the issuing organization.**

16. **If this project includes measures to stabilize an eroding stream bank, explain why bank stabilization is necessary to address key limiting factors for focal species, and how it will restore properly functioning conditions.**

17. **Describe the steps you will take to minimize the introduction and spread ofinvasive species during construction and restoration.** *Specifically consider how you will use un-infested materials and clean equipment entering and leaving the project area.*

Fish Passage Project Supplemental Questions

Answer the supplemental questions below.

NOTE: For fish passage design and evaluation guidance, applicants should refer to the Washington Department of Fish and Wildlife's *Fish Passage Barrier and Surface Water Diversion Screening Assessment and Prioritization Manual* and the *Water Crossing Design Guidelines* (2013). .

A. **Describe the passage problem (outfall, velocity, slope, etc.)**

B. **Describe the current barrier (age, material, shape, and condition).**

C. **Is the current barrier a complete or partial barrier?**

D. **If a culvert or arch is proposed, does it employ a stream simulation, no slope, hydraulic, or other design?**

E. **Describe the amount and quality of habitat made accessible if the barrier is corrected. Has the project received a Priority Index (PI) number?** *If so, provide the PI number and describe how it was generated: Physical survey, reduced sample full survey, expanded threshold determination, or Washington Department of Fish and Wildlife generated PI (list source, such as a study or inventory).*

F. **Identify if there are additional fish passage barriers downstream or upstream of this project.**

G. **Engineering licensing requirement. Will a licensed professional engineer design the project? Choose an answer**

   i. *If not, please describe the qualifications of the design team.*

Monitoring Project Supplemental Questions

What resource management actions could the information affect?

Study plan. Please attach a study plan that includes the elements below; present the information in any order.

A. **Purpose.** *Describe the information needs and how these data will be used.*

   i. **Describe how the proposed monitoring will provide data essential for advancing recovery of focal species.** *What high priority information needs or data gaps identified within the regional recovery plan and/or associated regional research, monitoring, and evaluation plan will the study address? What species will benefit?*

   ii. **Explicitly identify the geographic scale of data collection and conclusions referred to within the data.** *Describe if the design and analyses allow for generalized results beyond the initial geographical scale of the project. If the project is a part of a larger overall monitoring project or strategy, describe the goal of the overall strategy, explain individual sequencing steps, and which steps are included in this application for funding. Attach a map that illustrates how this project fits into the overall strategy, if relevant.*

   iii. **Are these data available from other sources (literature, other SRFB monitoring, etc.) or being adequately addressed by prior or ongoing studies or existing literature?** *Describe any previous or ongoing assessment or inventory work in the project's geographic area and describe how this project will build upon, rather than duplicate, the completed or ongoing work. Include detail about other monitoring efforts that complement or could help accomplish the overall objective, so that readers can understand the gaps, if any.*

   iv. **How will the study contribute to validating or revising current management strategies or assessing progress toward improved management of the focal species?** *Include explicit ties of the proposed monitoring to advancing our knowledge of viable salmonid populations*

(VSP) parameters (abundance productivity, spatial structure, diversity) of the focal species.

B. Methods.

i. **Sampling design.** *Provide a written description and map of the sampling locations. If locations are not yet defined, describe the process by which the sponsor will identify sampling locations.*

ii. **Data collection methods.** *Describe or reference the response variables or metrics evaluated, the rationale for their selection, field methods, protocols, and essential equipment. Are the selected metrics consistent with ongoing monitoring efforts in the region? If not, provide justification for the departure.*

iii. **Analytical approach.** *Describe the statistical tests used to test the hypotheses identified in Part B of the Study Plan.*

iv. **Data management.** *Describe the sponsors approach to data management, storage, and archival to ensure data quality and availability for sharing.*

v. **Dissemination of results. How will the sponsor disseminate collected data and reports?** *At a minimum, sponsors are required to present results via a final project report and a presentation at an LCFRB Technical Advisory Committee meeting.*

C. Assumptions and contingencies. *Identify assumptions and constraints that could affect the sponsor's ability to achieve objectives and how the sponsor will modify the approach if the sponsor does not meet assumptions.*

D. Literature cited. *If available, clearly cite documents referenced within the study plan with electronic links. If supporting documents are not publicly available, they should be loaded onto PRISM. Where appropriate, a brief literature review can be included in the study plan.*