# Regional Monitoring Project Proposal

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| **Project Number** |  |
| **Project Name** | Asotin IMW Monitoring |
| **Sponsor** | WDFW |

List all related projects previously funded or reviewed by RCO:

|  |  |  |
| --- | --- | --- |
| Project # or Name | Status | Status of Prior Phase Deliverables and Relationship to Current Proposal? |
| Asotin IMW Monitoring | In progress  | IMW is expected to continue until 2019; this proposal is to assist Federal funding of IMW monitoring |
| South Fork Restoration | Completed  | Part of the restoration phase of the IMW completed in 2012 |
| Charley and North Fork Restoration | Completed  | Part of the restoration phase of the IMW completed in 2014 |

*Submit this proposal as a PRISM attachment titled “Project Proposal.”*

1. **Project location.**

Upper Asotin Creek including Charley Creek, North Fork Asotin Creek, and South Fork Asotin Creek.

1. **Brief project summary.**

This is an ongoing Intensively Monitored Watershed to assess the effectiveness of large woody debris restoration and has been ongoing for 8 years. This proposal is for monitoring funds to maintain the current level of monitoring of fish and habitat in the IMW due a short-fall in PCSRF funds.

* 1. **List the most important fish resources that will benefit from the information generated by your monitoring effort.**

|  |  |  |
| --- | --- | --- |
| Species | Life History Targeted (egg, juvenile, adult) | Endangered Species Act Coverage (Y/N) |
| Steelhead | all | Y |
| Chinook | All | Y |
|  |  |  |

* 1. **What resource management actions could the information affect?**

The information generated by the Asotin IMW will be used to inform and improve restoration effrots in southeast Washington and possibly in other watersheds in Washington with similar characteristics. The information can also be used to plan and prioritize restoration efforts and to better understand how or if freshwater production of wild salmon species can be increased with the addition of LWD.

1. **Approach.** *Please attach a detailed study plan in PRISM titled “Study Plan” that includes all of the elements identified in the Supplemental Requirements section at the end of this proposal.*
2. **Costs.**
	1. **Explain how you determined your cost estimates.**

Our cost estimates have been estimated based on 8 years of previous monitoring efforts on the Asotin IMW. We are currently conducting the minimum level of effort to be able to meet our objectives and receive considerable logicitcal and technical in-kind support to supplement our monitoring efforts.

1. **Why are SRFB funds necessary, rather than funds from other sources?**

Federal funds from the Pacific Coastal Salmon Recovery Fund (PCSRF) have supported the majority of the IMW monitoring since its beginning in 2008. However, recently those funds have been shared between the Asotin IMW and Lower Columbia IMW. We are requesting funds from the SRFB to replace funds that may not be available from PCSRF for 2017.

1. **Certainty of success.**

We have successfully designed, implemented, and assessed the Asotin IMW project since 2008 under difficult funding circumstances. This included implementing 12 km of restoration and building over 550 LWD structures. We have decades of experience monitoring and assessing fisheries and habitat data and are currently in the final phases of the IMW; therefore, we are best suited to complete this important project.

1. **Forms for project proponents**.
	1. **List all landowner names.**

WDFW and USFS. See Lnadowner attachment form.

* 1. **Attach a Partner Contribution Form (Manual 18, Appendix G) from each partner in PRISM.**

SRSRB and RTT – oversight and technical review

WDFW – collect data and provide logistical support

USFS – donate LWD and logistical support

1. **Will you apply for permits as part of this project’s scope?**
No
	1. **If so, identify the permits required and the issuing organization.**

## Supplemental Requirements

**Study plan.** *Please attach a detailed study plan in PRISM titled “Study Plan” which includes the following elements; you can present the information in any order*.

1. **Purpose.** *Describe the information needs and how these data will be used*.
	1. **Describe how the proposed monitoring will provide data essential for advancing salmon recovery.** *What high priority information needs or data gaps identified within your regional recovery plan and/or associated regional research, monitoring, and evaluation (RME) plan (or lead entity strategy in areas without a recovery region) will the study address? What salmonid fish species will benefit?*
	2. **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 your 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 in PRISM that illustrates how this project fits into the overall strategy, if relevant.*
	3. **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 your 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.*
	4. **How will the study contribute to validating or revising current management strategies or assessing progress toward delisting 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.*
2. **Project goals, objectives, and hypotheses.**
	1. **What are your project’s goals?** *The goal of your project should fill specific gaps in information essential to salmon recovery efforts. Your goal statements should broadly articulate desired outcomes of the proposed activity.*
	2. **What are your project’s objectives?** *Objectives support and refine your goals, breaking them down into smaller steps. Objectives are specific, quantifiable actions your project will complete to achieve your stated goal. Each objective should be “SMART:”* ***S****pecific,* ***M****easurable,* ***A****chievable,* ***R****elevant, and* ***T****ime-bound. State “SMART” objectives as expected “outcomes” rather than “output.” Monitoring project objectives should tell a reader what you want to learn rather than what you will do.* ***Your description should include clearly stated, testable hypotheses.***
3. **Methods.**
	1. **Sampling design**. *Provide a written description and map of the sampling locations. If locations are not yet defined, describe the process by which you will identify sampling locations.*
	2. **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.*
	3. **Analytical approach.** *Describe the statistical tests used to test the hypotheses identified in Part B of the Study Plan. Include a preliminary power analysis.*
	4. **Data management.** *Describe your approach to data management, storage, and archival to ensure data quality and availability for sharing.*
	5. **Dissemination of results.** *How will you disseminate collected data and reports?*
4. **Tasks and schedule.** *Identify project collaborators and their roles and contributions to the project. Provide a detailed description of the proposed project tasks, the party responsible for each task, a schedule or timeline for accomplishing them, and list the project deliverables. Include an annual report as a deliverable.*
5. **Assumptions and contingencies.** *Identify assumptions and constraints that could affect your ability to achieve objectives and how you will modify your approach if you do not meet assumptions.*
6. **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 your study plan.*

## Comments

Monitoring projects will not include a site visit by the monitoring panel. Use this section to respond to the comments you will receive after you submit your final application.

### Response to Post-Application Comments

Please describe how you’ve responded to the monitoring panel’s post-application comments. *List each of the monitoring panel’s comments and questions here and use this space to respond directly to their comments. Update the proposal to be consistent with your comments.*