



**GRMW PROPOSAL APPLICATION**

Project/Application Title (please do NOT use an existing title unless this is a phased project)

Submitted By (First, Last Name, Organization) [SPONSOR]

Phone

Email

Mailing Address

**Invoice Information (If GRMW is the fiscal agent)**

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**Restoration or Technical Assistance**

Is this application for a restoration project or for technical assistance (TA)?

Restoration

Technical Assistance

**Location/Abstract**

In the space provided, please describe the proposed project in detail. Please include: **project location start (downstream extent) and end (upstream extent)** (General Latitude/Longitude [i.e. 45.492383, -117.579292]—lines provided below), textual description of the project location, why the project is needed, a description of the proposed work, and any partners involved. Please keep this description to 500 words or less. There will be another place to elaborate on the project under the “problem statement” and “proposed solution” sections further down.

Downstream Extent Latitude

Upstream Extent Latitude

Downstream Extent Longitude

Upstream Extent Longitude

[Abstract]



### **Landowner Engagement**

- 1.) If any portion of the project work is to take place on private property, please attach the current landowner agreement.
  
- 2.) Have neighboring landowners been contacted? If there were any issues identified resolved or unresolved please explain them using the text box below.

Yes

No

### **Problem Statement**

Please describe the critical/limiting life stages and limiting habitat factors identified in the Atlas for the subwatershed in which this project is located and explain which of these species, life stages and limiting factors will be addressed in this project (how the problems will be addressed should be discussed in the ‘Proposed Solution’ section). Include past land use history with respect to the project reach and larger watershed—especially any land use that has led to the current impaired condition.

If the project is a restoration project, please enter the “Final Opportunity Score” below as it is defined in Atlas. If on the other hand, this project is a Technical Assistance project, please enter the “Proposed Opportunity Score” instead:

Please select all restoration actions that apply to the project using the table below:

| Rest. Action # | Restoration Action                                  |
|----------------|---|
| 1              | Protect Land and Water (Easement, Acquisition)      |
| 2              | Channel Reconstruction                              |
| 3              | Pool Development                                    |
| 4              | Riffle Construction                                 |
| 5              | Meander (Oxbow) Re-connect - Reconstruction         |
| 6              | Spawning Gravel Cleaning and Placement              |
| 7              | Levee Modification: Removal, Setback, Breach        |
| 8              | Remove - Relocate Floodplain Infrastructure         |
| 9              | Restoration of Floodplain Topography and Vegetation |
| 10             | Floodplain Construction                             |
| 11             | Perennial Side Channel                              |
| 12             | Secondary (non-perennial) Channel                   |
| 13             | Floodplain Pond - Wetland                           |
| 14             | Alcove  |
| 15             | Hyporheic Off-Channel Habitat (Groundwater)         |
| 16             | Beaver Restoration Management                       |
| 17             | Riparian Fencing                                    |
| 18             | Riparian Buffer Strip, Planting                     |
| 19             | Thinning or removal of understory                   |
| 20             | Remove non-native plants                            |
| 21             | Dam removal or breaching                            |
| 22             | Barrier or culvert replacement/removal              |
| 23             | Structural Passage (Diversions)                     |
| 24             | Addition of organic and inorganic nutrients         |
| 25             | Rock Weirs  |
| 26             | Boulder Placement                                   |
| 27             | LWD Placement                                       |
| 28             | Modification or Removal of Bank Armoring            |
| 29             | Restore banklines with LWD - Bioengineering         |
| 30             | Acquire Instream Flow (Lease- Purchase)             |
| 31             | Improve Thermal Refugia (spring reconnect, other)   |
| 32             | Irrigation System Upgrades -Water Management        |
| 33             | Reduce - Mitigate Point Source Impacts              |
| 34             | Upland Vegetation Treatment - Management            |
| 35             | Road Decommissioning or abandonment                 |
| 36             | Road Grading - Drainage Improvements                |



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| Indicator type             | Sub-type                 | Indicator                            | Definition   | Data collection method | Spatial scale of status assessment               | Temporal scale of status assessment |
|----------------------------|--------------------------|--------------------------------------|--|------------------------|--|-------------------------------------|
| Salmon/steelhead abundance | Adult abundance          | Abundance of natural origin spawners | Number of natural origin adults (age 3+) on the spawning grounds   | Field                  | Biologically Significant Reach (BSR), population | Annual, 5 and 10-year mean          |
| Habitat quantity           | Accessible fish habitat  | Quantity of accessible fish habitat  | River kilometers of main channel habitat accessible to migrating fish (StreamNet 2019)   | Field/modeled          | BSR, population                                  | 5 and 10-year status                |
|                            | Floodplain/side channels | Connected floodplain area            | Surface area (m <sup>2</sup> ) of connected floodplain (Beechie et al. 2017)   | Remote sensing         | BSR, population                                  | 5 and 10-year status                |
|                            | Floodplain/side channels | Side channel length                  | Length (m) of side channels (Beechie et al. 2017)  | Remote sensing         | BSR, population                                  | 5 and 10-year status                |
| Habitat quality/diversity  | River channel (pools)    | Large pool frequency                 | Number of large pools (≥ 20 m <sup>2</sup> area and ≥ 0.80 m max depth) per kilometer of stream (McIntosh et al. 2000)                         | Field                  | BSR, population                                  | 5 and 10-year status                |
|                            | River channel (cover)    | Large wood frequency bankfull        | Number of large wood pieces within the bankfull channel per 100 m stream length (Moore et al. 2017)  | Field                  | BSR, population                                  | 5 and 10-year status                |
|                            | Water Quality            | Water Temperature                    | Maximum weekly maximum temperature (MWMT) and number of days with weekly maximum water temperatures above 20°C during Summer. (July 1-Sept 15) | Field/modeled          | BSR  | Seasonal and annual                 |

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Are any of the above objectives going to be monitored? If yes, please explain who will be performing this monitoring, how it will be implemented, and how long it will be taking place for. Please note that monitoring funding is not available in this application.

| Monitoring indicator(s) | Who will perform monitoring? | How will it be implemented (protocol)? | How long will monitoring take place (yrs) and what time of year will data be collected? |
|-------------------------|------------------------------|--|---|
|                         |                              |  |   |
|                         |                              |  |   |
|                         |                              |  |   |
|                         |                              |  |   |

Will the monitoring data be available to Atlas partners and how will it be shared?

### **Other Project Objectives**

Please include any additional project objectives that are not captured in the table above. Objectives should be specific, measurable, achievable, relevant and time bound.

What considerations have been made regarding how this proposed work may address climate change concerns? If you are unsure of how to answer this effectively, you may wish to reference the following link to OWEB's pdf on "Climate-Related Technical Resources for OWEB applicants"—<https://www.oregon.gov/oweb/Documents/Climate-Related-Technical-Resources.pdf>. Additionally, you may want to discuss the Atlas future condition score for the subwatershed and the climate change score for this opportunity (Wallowa Atlas). For UGR & CC Atlas opportunities you may want to reference current condition and water temperature scores and the riparian restoration priority data layer.

Please describe any previous work that has been implemented in this reach and how this project connects to or builds upon those previous efforts.

Is this a phased project?

Yes

No

If yes, can this phase be a standalone project?

Yes

No

Are there any other sensitive or listed species, aquatic or terrestrial, impacted by this project? If so, please list them below and how they might be impacted by this project. Available resource link for sensitive/listed species <https://compass.dfw.state.or.us/visualize/#x=116.86&y=45.58&z=9&logo=true&dls%5B%5D=true&dls%5B%5D=0.5&dls%5B%5D=549&basemap=ESRI+Satellite&tab=data&print=false>

**Current Designs/Alternatives**

**Briefly describe your alternatives analysis and how you arrived at your preferred alternative (300 words or less)**

At what level are the current designs (Restoration projects only)?

30%                      80%                      100%

Please attach design documents applicable to the selected design level to this this PDF. Please refer to the HIP4 handbook for requirements/criteria for the applicable design level. Include any IT and HIP review comments from 15% and 30% reviews. If available, please attach hydraulic model depth and velocity rasters in .tif format at baseflow as well as bankfull flow.

Additional comments on current designs/alternatives:

**Timeline**

Will this project be completed within 2 years if awarded funding? Projects that will be completed in the first year of the contract in-water work window will be given funding priority over out-year projects (applies to restoration projects only).

Yes                      No                      N/A

If you selected N/A, please explain your answer:

For each proposed major project element, please indicate a proposed start and end date for the work to take place using the table below:

| Project Element | Proposed Start Date | Proposed End Date |
|-----------------|---------------------|-------------------|
|                 |                     |                   |
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**Budget Narrative**

If your budget has any unusual line items or costs, please explain them using the space below:

### **Reporting Requirements**

Sponsors who receive funding through GRMW will be required to resubmit the indicators/objectives table and budget after implementation to verify that work was completed as proposed and on budget. If there were any deviations from the proposed actions or budget please explain why. If you plan to submit a completion report to BPA or a similar organization, you may include this table as a part of the completion report to meet this requirement. Please note that if you wish to recreate this table in your own document that it must include "proposed" and "actual" columns to accurately reflect the work completed.

### **Media**

GRMW would like to highlight your project on our website and social media sites. Please provide up to 15 pictures that you feel capture the project well. By providing pictures to GRMW you are agreeing to have your pictures displayed on our website and social media accounts. You can either attach each image individually, as a zip file, or as a word document to this application.

## **Feedback**

Please use the section below to provide feedback for this form. We are currently using this PDF as an interim proposal template before we launch the full version on our website. Your feedback is very important to our refinement of the proposal and we value your comments greatly. But considering the format of this form we ask that you please restrict your comments to subject matter, organization, ease of understanding, and the like. We know that this form will likely change dramatically from its first iteration as you see here. What we are looking for is comments to guide the refinement of this template to something that is simple, clean, intuitive, and above all, useful to presenting our board with the necessary information they need to make informed decisions concerning the proposed project. Thank you for all of your time and effort and we look forward to reading your comments.

**Applicant Signature**

By signing below, you are affirming that everything you have entered into this document is true and accurate to the best of your knowledge and that you agree to stipulations previously outlined in this application such as the sharing of media and reporting requirements should the project be approved by the GRMW Board of Directors.

\_\_\_\_\_  
Applicant's Signature

\_\_\_\_\_  
Date