

jessica@methowsal...
M2 RM 46.25

Submission Date
February 22, 2021 13:45

*Project Title	M2 RM 46.25
*Sponsor	MSRF
*Primary Contact	Jessica Goldberg
*E-Mail Address	jessica@methowsalmon.org
*Anticipated Request - SRFB	288,000
*Anticipated Request - Tributary Committee	56,000
*Anticipated Other Funding	80,000
*Anticipated TOTAL Budget	423,000
*Other Funding Source(s)	Reclamation design support
*Briefly describe the location of the project	The project will occur along the Methow River between RM 45.6 and 46.2
*Latitude (decimal degrees)	48.4190
*Longitude (decimal degrees)	-120.1424
*Project subbasin	Methow
*Methow Assessment Unit(s)	Methow River-Thompson Creek
*Reach(es) Name	Middle Methow
1. *In one or two sentences, what do you propose to do?	MSRF is seeking funds to advance this project from 10% design through construction. The project will build on prior restoration at the site to support a perennial flow split and increase habitat complexity through placement of up to 6 engineered logjams around the existing side channel inlet and selective grading of the river bed to balance flows.
2. *What species will the	Spring Chinook Steelhead Bull Trout

project benefit?

Summer Chinook

3. *Select the project's objectives and the associated tracking metrics

Instream Habitat (Includes Floodplain & Off-Channel Reconnection)

Instream Habitat: Reporting Code

Acres of channel/off-channel connected or added

Miles of instream habitat treated

4. *Does this project or any of its phases (e.g., design) already exist in Salmon Recovery Portal or PRISM?

Yes

5. *Has this project been submitted previously for funding through the SRFB and/or Targeted process(es)?

No

6. *What category is the project?

Restoration

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

Preliminary Design

Final Design

Construction

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)?

Middle Methow RA

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

Cover - Wood

Off-Channel - Side-Channels

Pool Quantity & Quality

10. *Which life stages will the proposed project address?

Holding and Maturation

Summer Rearing

Winter Rearing

11. *Freshwater Benefits - To what extent will your project improve survival, capacity and/or distribution for target species at the project scale?

This project is proposed to increase the amount and availability of high quality rearing habitat for juvenile spring Chinook and Steelhead. The additional engineered logjams will add complex cover and support higher densities of juvenile fish. These structures will also maintain scour holes that support pre-spawn adults and support channel processes engineered to maintain the desired flow split. Selective grading will also be completed to ensure that both channel threads retain perennial flows to ensure that fish rearing and migrating throughout the project site will not be stranded by the river abandoning one of the two channels. The action is also needed to ensure that the fish return from the MVID/Barkley diversion continues to be connected to active river flows through the irrigation season.

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

The addition of large wood in the main stem Methow will help maintain sediment transport processes through the site. Wood placements in the side channel will be designed to be consistent with reach and site scale geomorphology, support sediment movement and reduce the risk of channel avulsion. The project actions build on past restoration success with a significant emphasis on large wood structures that have proven to be both stable and providing highly productive fish habitat since 2013.

13. Temporal Effect - How long will it take for the benefits of the project to be realized?

1-10 years

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

20-50 years

1. *What is the landownership?

WDFW, DNR (SOAL)

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

Yes

*Please explain

The project area is primarily public lands owned by WDFW and WA DNR. MSRF has engaged with local and regional staff at both state agencies and has initiated coordination through the restoration pathways process to secure permission for the project. WDFW and WA DNR staff have indicated support for project development and will participate in project development.

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

WDFW and WA DNR staff will participate in project development through the WDFW Restoration Pathways process and DNR SOAL process. Because actions have the potential to impact private lands on both channel threads, we will be working closely with these owners even though no actions are proposed on private lands.