

jessica@methowsal...
M2 RM 42.25

Submission Date
February 24, 2021 20:04

*Project Title	M2 RM 42.25
*Sponsor	MSRF
*Primary Contact	Jessica Goldberg
*E-Mail Address	jessica@methowsalmon.org
*Anticipated Request - SRFB	675,500
*Anticipated Request - Tributary Committee	130,000
*Anticipated Other Funding	235,000
*Anticipated TOTAL Budget	1,040,500
*Other Funding Source(s)	Reclamation design support, BPA
*Briefly describe the location of the project	The project will occur along the Methow River between RM 41.25 and RM 42
*Latitude (decimal degrees)	48.3808
*Longitude (decimal degrees)	-120.1202
*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 modify an existing levee, create off-channel refuge habitat, remove fill, add in-channel and side-channel complexity through ELJ and smaller wood placements to reconnect annual flow through an existing seasonal side channel and reconnect adjacent floodplain.
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 off-channel stream created

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?

No

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

Yes

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 - Floodplain

Off-Channel - Side-Channels

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 both the quality and quantity of suitable rearing habitat available throughout the year. Side channel actions will add about 1600 ft. (0.2 acres) of secondary channel to support juvenile rearing and high flow refuge. Levee alterations will reconnect floodplain and side channel habitat, supporting high water refugia and support the development of riparian forest. The proposed ELJ's and smaller wood features will both increase habitat directly and support sediment mobility needed to restore perennial flow in the existing side channel. These actions will help increase the total amount of habitat available during low flow summer and winter

rearing periods. Deep pools maintained by the ELJ's will provide valuable holding habitat for pre-spawn adults.

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

The proposed levee alterations will reconnect side channel and floodplain areas and reduce velocity through the project reach. This will help return the river to more natural rates of channel migration, and increase the effective river corridor in the project area. Levee alterations and regrading of fill placed behind the constructed levee will support development of off-channel high flow refuge areas and connected riparian forest.

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?

50+ years

1. *What is the landownership?

private, DNR (SOAL)

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

Yes

*Please explain

The majority of the private land within the project area was purchased by MSRF with RCO, PRCC, and Tributary Committee support to facilitate future restoration projects. We have initiated on-going conversations with the majority of the adjacent landowners and have obtained their support to develop targeted actions to improve habitat conditions. The work will require work within areas of State Owned Aquatic Lands and lands managed by the Corps of Engineers and Okanogan County (Levee). Each of the agencies have expressed support for actions designed to improve habitat functions without increasing risk to private and public properties.

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

Portions of the levee in the project area are actively managed by Okanogan County and the Corps of Engineers through the Public Lands 8499 system for cost-share of Corps-constructed levees. MSRF acknowledges that the preferred alternative for levee modifications will need to provide assurance to the management agencies and local landowners that it will not reduce current protections.