Lead Entity: Upper Columbia Sal Rec BD LE Project Number: 18-1824 Project Name: Mill Creek Fish Passage Barrier

Chelan Co Natural Resource

PROJECT SUMMARY (for Review Panel reference only)

Duboiski, Marc

The proposal will be for final design, permitting and construction of a fish passage barrier replacement on Mill Creek, a tributary to Peshastin Creek.

FINAL REVIEW PANEL COMMENTS

Date: 10/25/18 Full Panel Review

Project Sponsor:

Grant Manager:

- 1. If the project is a POC, please identify the SRFB criteria used to determine the status of the project:
- 2. If the project is Conditioned, the following language will be added to the project agreement:

The preliminary design (drawings and basis of design report) shall be submitted to the SRFB review panel for review and comment, prior to advancing to final design and construction. Please allow up to 30 days for the review to be complete.

3. Other comments:

POST-APPLICATION REVIEW PANEL COMMENTS

Date: 9/26/18

Full Panel Review

- 1. If the project is a POC, identify the SRFB criteria used to determine the status of the project:
- 2. If the project is a POC, identify the changes that would make this a technically sound project:
- 3. If the project is Conditioned, the following language will be added to the project agreement:

4. General comments:

The current proposal is confusing based on the change in budget from the April application and your replies to our comments. Specifically, you have 30% design drawings, but no basis of design report, and you're willing to evaluate other design options during preliminary design, if funded by SRFB and BAFBRB.

What other alternatives were evaluated prior to selecting a corrugated arch pipe?

Do you have a preferred alternative for this project? If not, then the proposal may need to be changed to an alternatives analysis, with selection of preferred alternative taken to preliminary design.

Staff Comments: While you have elected to make both your SRFB and BAFBRB grant requests under the preliminary Manual 18, Salmon Recovery Grants ● March 2017

Salmon Recovery Funding Board Individual Comment Form

	Date	Status ¹⁸
Post-Application	9/26/18	NMI
Final	10/25/18	Conditioned

Project Status: NMI

Final Project Status:



Conditioned

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Individual Comment Form



design requirement thresholds (\$250,000 and \$500,000, respectively), this is leading to the lack of certainty of your proposal.

¹⁸CLEAR=Cleared to proceed; CONDITIONED=Cleared to proceed with a condition; NMI=Needs More Information; POC=Project of Concern; NOTEWORTHY=Exemplary Project

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SPONSOR RESPONSE INSTRUCTIONS

If your project is not cleared (i.e. has a status of NMI, Conditioned, or POC) you must update your proposal, PRISM questions, or attachments as necessary to address the review panel's comments. Use track changes when updating your proposal. Fill out the section at the end of your project proposal to document how you responded to comments.

DRAFT APPLICATION / SITE VISIT REVIEW PANEL COMMENTS

Note that comments provided in this section are preliminary and based on basic information provided in the project preapplication and site visit. Full Review Panel review will occur after the final application materials are submitted for the project and may identify technical issues not previously discussed or identified.

Date: 5/9/18

Project Site Visit? X Yes No

Review Panel Member(s): Toth and Tyler

 Recommended improvements to make this a technically sound project according to the SRFB's criteria: The proposal references "current 30% design"; please load this to PRISM. Preliminary designs and a basis of design (BOD) report that meet the criteria identified in Manual 18 Appendix D will need to be posted on PRISM before final application. The BOD report should include a discussion of the alternatives considered and the rationale for the preferred selection. If this will not be feasible, the grant should be for design and permits, without construction. The cost estimate shows nice detail on construction costs but should also include match and show the total project cost.

The proposal highlights the potential for debris flows to occur in the basin and the increased span and footing depth for the proposed drainage structure to accommodate sediment deposition and minimize scour impacts. While a nearly 21-foot wide corrugated arch pipe with about 12 feet of clearance may accommodate smaller debris flows, most debris flows contain a fair amount of woody debris that typically will plug even the largest of culverts. Increasing the size and clearance of the arch pipe may in this case just be adding costs to the project without providing meaningful protection from debris flows. The project design should focus on maintaining the stability of the crossing and allowing for maintenance access to clean out the structure in the event of a debris flow. The culvert inlet should also be mitered to increase its capacity and lessen the impact of woody debris piling up.

2. Review Panel Comments:

This is a nicely written proposal. The barrier forms in the proposal are appreciated. This barrier was identified in a 2004 inventory and again in a 2017 inventory. Passability was reviewed at the culvert in July 2016 and determined to be 33% passable; however, at the site visit, it appeared to be a complete passage barrier. Fish were last recorded at this location in 1994. WDFW previously surveyed this area during Spring Chinook migration and spawning periods, but did not detect redds, though the habitat appeared suitable. While located on a Tier 4 restoration priority, the sponsor argues for correction of this barrier because Mill Creek offers the best tributary spawning habitat in lower Peshastin Reach, with perennial flows, potential for thermal refuge, and moderate gradient. Peshastin Creek has the highest percentage of wild spawners for any tributary in the Wenatchee basin.

3. Staff Comments: As mentioned above, preliminary designs are required for SRFB grant requests of \$250,000 or greater. Please provide preliminary designs or change project type to a design proposal.



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Revise your project proposals using "track changes" and update any relevant PRISM questions and attachments. Fill out the section at the end of your project proposal to document how you responded to comments.