

johj@yakamafish-n...

Mystery and War Creek ...

Submission Date
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*Project Title	Mystery and War Creek Reach Aquatic Restoration Project
*Sponsor	Confederated Tribes and Bands of the Yakama Nation
*Primary Contact	Jarred Johnson
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*Anticipated Request - SRFB	350,000
*Anticipated Request - Tributary Committee	150000
*Anticipated Other Funding	200000
*Anticipated TOTAL Budget	700,000
*Other Funding Source(s)	The Yakama Nation will provide funding acquired through Bonneville Power Administration.
*Briefly describe the location of the project	The project consists of two distinct project areas on the middle and upper Twisp River. The downstream project site, War Creek Reach, is located between RM 17 and RM 18.1. The upstream project site, Mystery Reach, is located between RM 21 and RM 23.
*Latitude (decimal degrees)	48.39104
*Longitude (decimal degrees)	-120.44751
*Project subbasin	Methow
*Methow Assessment Unit(s)	Middle Twisp River
*Reach(es) Name	T7 and T6
1. *In one or two sentences, what do you propose to do?	Install 890 logs with rootwads, 70 pilings and 32 whole large trees throughout three miles of the Middle Twisp River Assessment Unit.



2. *What species will the project benefit? Spring Chinook Steelhead Bull Trout

3. *Select the project's objectives and the associated tracking metrics
Instream Habitat: Reporting Code Instream Habitat (Includes Floodplain & Off-Channel Reconnection)

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)? No

6. *What category is the project? Restoration

7. *What project phase(s) are proposed for completion? 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)? Upper Twisp River and Tributaries Habitat Assessment

9. *Which limiting factors does the project propose to address? Cover - Wood Pool Quantity & Quality

10. *Which life stages will the proposed project address?
Adult Migration Adult Non-Spawning (Bull Trout)
Natal Rearing (Bull Trout) Subadult Rearing (Bull Trout)
Fry Holding and Maturation
Spawning and Incubation Summer 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 will treat three miles of the Twisp River with 890 logs with attached rootwads and 32 locally harvested whole Spruce trees. Within the Mystery Reach, 636 logs will be placed via heavy lift helicopter into accumulations ranging from 12 to 44 logs each. Within the War Creek Reach, 264 logs with rootwads will be placed. This will dramatically increase in-stream habitat complexity with increased pool quality and quantity, improved gravel sorting, retention of alluvial material.

12. *Temporal Effect - Briefly describe how and to what extent the project would promote natural stream/watershed process
Benefits of this restoration effort will be realized immediately and persist on a long-term timescale by restoring natural riverine process. The Project reaches contain far less qualifying large wood than historically present and in the case of the

consistent with reach-scale geomorphology?

Mystery Reach, near-term large wood recruitment is also significantly diminished due to logging.

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?

United States Forest Service

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

Yes

*Please explain

The Methow District of the Okanogan-Wenatchee National Forest is the public land manager. They have been participating in project design and are completing NEPA through the Twisp Watershed Restoration Project.