Prospectus of Proposed Project Opportunity

Submitted Aug 29, 2017

Opportunity Title

Tamkaliks Side Channel and Wetland Complex

Opportunity Lead

Kathryn Frenyea
Organization: Nez Perce Tribe Fisheries
Phone: 541-432-2506
Email: kathrynf@nezperce.org

Technical Contact

Kathryn Frenyea
Organization: Nez Perce Tribe Fisheries
Phone: 541-432-2506
Email: kathrynf@nezperce.org

Landowners

Wallowa Band Nez Perce Trail Interpretive Center
Address: 209 E 2nd St, Wallowa, OR 97885
Phone: 541-886-3101
Email: ralphwme@uci.net

Contacted: Yes
Supportive: Yes. The landowners initiated the project and have remained engaged throughout the process.
Contribution: The landowners are active participants on the design team and contributed historical data and images for the planning process. They will assist in planting activities and project maintenance. Additionally, the project area will be open to the public for future education and outreach.

River

Name: Wallowa River
Mile: RM 23.5-23.8
Tributary: Grande Ronde River

Restoration Atlas

BSR:
Tier:
Initial Score:
Proposed Score:

Restoration Activities

3. Pool Development
4. Riffle Construction
9. Restoration of Floodplain Topography and Vegetation
10. Floodplain Construction
11. Perennial Side Channel
13. Floodplain Pond - Wetland
14. Alcove
15. Hyporheic Off-Channel Habitat (Groundwater)
18. Riparian Buffer Strip, Planting
27. LWD Placement
31. Improve Thermal Refugia (spring reconnect, other)

Species Affected

Focal: ESA listed Snake River spring/summer Chinook salmon, summer Steelhead, and Bull trout.
Other: Lamprey, Coho Salmon

Description

The Wallowa Nez Perce Homeland/Tamkaliks site is located adjacent to the Wallowa River, NE of the town of Wallowa. Due to extensive channelization, potential habitat for salmonid rearing and spawning is severely limited. Limiting factors within the project reach include 1) habitat diversity, 2) habitat quantity, and 3) water quality (temperature and excess fine sediment). The resulting restoration project would provide increased habitat quantity in the form of back water pools, and large woody debris, and re-connection of the river to the existing floodplain. Emergent wetland and adjacent Cottonwood gallery creation in conjunction with ground water interception will help regulate water temperature, sequester excess sediment, and provide year round juvenile rearing and potential spawning habitat for ESA listed fish species.

Objectives

All impementation activities will be directed towards the following objectives:
1. Improve stream structure and channel complexity to increase fish rearing and spawning habitat.
2. Improve riparian and floodplain vegetation species composition and distribution and intercept groundwater seeps/springs, reducing water temperature and increasing fine sediment retention.
3. Increase floodplain connectivity through interception of groundwater and irrigation returns.

Major Risks

We do not anticipate any major risks at this time. The landowner is long standing in the community and very committed to implementing the project. Bedrock analysis was recently conducted at the project site to assess risk and guide design. The resulting information has been utilized to design a project with the largest extent of benefit possible while minimizing risk and change of condition during implementation.

Permits and Consultation

ESA Section 7 USFWS: Applicable
ESA Section 7 NMFS: Applicable
COE or DSL Permit: Applicable
Cultural Resources Section 106: Applicable
DEQ 401 Water Quality Permit: Applicable

Project Schedule

Year: 2018

Monitoring: Monitoring will be conducted by NPT staff and includes annual photo points, plant survival and snorkel and electrofishing surveys. Staff seek to establish data sets tracking seasonal use by native salmonids as well as speciation of emergent wetland vegetation.

Project Relations

Multi-phase Effort: No

Preliminary Cost Estimate

Total: $356,250
BPA Funding: $198,250
OWEB Funding: $0

Design Funding

Design Funds Requested: No