



Prospectus of Proposed Project Opportunity

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Opportunity Title

Upper Fly Small Streams Restoration Project

Opportunity Lead

Joe Platz

Organization: USFS: LaGrande Ranger District

Phone: 541-962-8571

Email: joseph.platz@usda.gov

Technical Contact

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Phone: 541-962-8571

Email: joseph.platz@usda.gov

Landowners

Contacted: Yes

Supportive: Yes.

Contribution: Trees, NEPA, design.

River

Name: Lookout Creek, Meadowbrook, Smith Creek

Mile: RM 2 - 5

Tributary: Grande Ronde River

Restoration Atlas

BSR: UGR20

Tier: Tier 1

Initial Score: 86
Proposed Score: 86

Restoration Activities

- 3. Pool Development
- 9. Restoration of Floodplain Topography and Vegetation
- 10. Floodplain Construction
- 11. Perennial Side Channel
- 12. Secondary (non-perennial) Channel
- 13. Floodplain Pond - Wetland
- 15. Hyporheic Off-Channel Habitat (Groundwater)
- 27. LWD Placement

Species Affected

Focal: Snake River Summer Steelhead.
Other: Redband trout.

Description

The Upper Fly Small Stream Restoration involves Lookout Creek (3 miles), Meadowbrook Creek (.75 mile), and Smith Creek (2 miles)(total of 5.75 miles). The project will involve placing wood into a channel spanning log jam configuration into the above streams. The project would prioritize LWD placement (channel spanning log jams, whole trees, and small wood material) to add roughness, increase floodplain interaction, habitat complexity, and promote off channel flooding. It is expected that the project will promote longer periods of hydrologic production, decreased stream temperatures, and increased riparian deciduous vegetation.

All of the wood for these streams would be obtained within 200' on each side of the streams. All of the wood for these streams would be obtained within 200' on each side of the streams. All of the wood and racking material would be felled and brought to the stream with the use of two mini excavators. Small debris jams will be placed in the streams and will average 50 debris jams per mile. Each debris jam will consist of 5 - 7 logs (9" - 12" dbh and 20' long) with branches intact and racking material (consist of tree tops, branches, and small trees less than 8" in diameter). An additional 50 whole trees will be spaced between sites per mile. An average of 350 trees (9" - 12" dbh) will be placed per mile. It is estimated that each log jam will consist of 5 yards of racking material. All disturbed areas will be seeded with a native seed mix.

Objectives

The objective is to improve spring/summer chinook, summer steelhead, and bull trout habitat, through the following goals:

1. Restore hydrologic function through floodplain water storage and floodplain inundation.
2. Improve fish habitat through wood placement.

Major Risks

Cultural Resources.

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:

Project Schedule

Year: 2022

Monitoring: Structure construction: Monitoring of structures would involve photo points of before and after operations occur. Follow up photo points would occur at year 1 - 3 after project completion. This monitoring will be completed by the USFS.

Noxious weeds: Noxious weeds would be monitored, yearly, for three years after project operations. This monitoring will be completed by the USFS.

Project Relations

Multi-phase Effort: No

Preliminary Cost Estimate

Total: 195000
BPA Funding: 65000
OWEB Funding:

Design Funding

Design Funds Requested: No