



Prospectus of Proposed Project Opportunity

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Opportunity Title

Lower Fly Creek Restoration Project

Opportunity Lead

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Technical Contact

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Landowners

Contacted: No

Supportive: Yes, Todd Smith owns approximately .75 mile of Lower Fly Creek. We are currently working on an agreement with Todd Smith and it is going well.

Contribution: He is going to provide access and some racking material. He will maintain the fences to keep livestock out of Fly Creek.

River

Name: Lower Fly Creek

Mile: RM .5 - RM 3.5

Tributary: Grande Ronde River

Restoration Atlas

BSR: UGR16
Tier: Tier 1
Initial Score: 25
Proposed Score: 61

Restoration Activities

- 3. Pool Development
- 9. Restoration of Floodplain Topography and Vegetation
- 11. Perennial Side Channel
- 18. Riparian Buffer Strip, Planting
- 26. Boulder Placement
- 27. LWD Placement

Species Affected

Focal: Snake River spring chinook salmon and summer steelhead.
Other: Reband trout

Description

Lower Fly Creek is currently apart of the McCarty Sheep Allotment. Fly Creek is only used for watering and not used for any significant grazing. In 2009, large wood was added to the stream to enhance pool development and was effective in many parts of the project area. In addition, a streambottom road was recontoured and planted. Currently, the stream channel is simplified with low levels of large wood, coarse substrate, and lack of quality pool habitat. Floodplain inundation and function is limited.

The goal of the project is to improve floodplain inundation and function and improve instream channel habitat (pool quality/quantity, spawning gravels, fish cover, and habitat complexity); through instream and floodplain wood placement.

The project would construct debris jams at 70 sites within the lower 3 miles of Fly Creek. This would include approximately 900 pieces of large wood and 2800 yards of racking material. An additional 100 whole trees would be placed within the stream and 500 pieces of wood would be placed on the floodplain. The wood and racking material needed for the .5 stream mile of private land will be obtained from private timber sources. Approximately, 200 - 300' of new road construction will be needed to provide machine access to lower Fly Creek.

Objectives

- * Improve floodplain inundation - Drone flights before and after implementation to show flow and greenline expansion.
- * Improve pool quality/quantity - Level II habitat surveys before and after

implementation to capture pool depth and area.

* Improve habitat complexity - Pre and Post implementation photo points.

Major Risks

The largest barrier is equipment access, which is being alleviated through the private landowner - Todd Smith. There will need to be 200' - 300' of road constructed to provide access to the project area.

Permits and Consultation

ESA Section 7 USFWS: Applicable

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COE or DSL Permit: Applicable

Cultural Resources Section 106: Applicable

DEQ 401 Water Quality Permit:

Project Schedule

Year: 2020

- Monitoring: (1) Drone flights (pre and post implementation).
(2) Temperature monitoring.
(3) Photo point monitoring.
(4) Level II habitat surveys.
(5) Noxious weed monitoring.

Project Relations

Multi-phase Effort: No

Preliminary Cost Estimate

Total: \$300,000

BPA Funding: \$300,000

OWEB Funding:

Design Funding

Design Funds Requested: No