PROJECT: 14-1732 PLN, SKINNEY CREEK FLOODPLAIN RESTORATION DESIGN

Sponsor: Chelan Co Natural Resource Program: Salmon Federal Projects Status: Active
Project Start Date: 11/25/2015 Agreement End Date: 01/31/2018

Final Report Status: Accepted 04/04/2018

Description

PROJECT AGREEMENT DESCRIPTION

The project proposes to develop prelminary designs for a Skinney Creek restoration project. Railroad construction and subsequent construction of Highway 2 re-aligned Skinney Creek into its current channel configuration. The lower 2,000 feet of Skinney Creek is narrow and confined between two remnant berms or levees. The proposed design project will re-construct the stream channel into its former floodplain area.

The primary habitat-limiting factors within Skinney Creek are artificial obstructions, riparian condition, channel entrenchment, water quality (fine sediment), off-channel habitat, and large woody debris. All the fish passage barriers have been removed from Skinney Creek. However, highway and railroad construction have impacted stream processes such as hydro-geomorphic processes, woody debris recruitment, channel migration, instream habitat complexity, and gravel recruitment. Today, Skinney Creek within the project area is characterized by an entrenched channel with little habitat complexity, a lack of large wood and pools, and no floodplain access due to the levees that border the channel.

Skinney Creek does provide habitat for spring Chinook and steelhead. However, there is likely limited use by both species under current conditions. The project goal is to restore natural stream processes such as stream channel function, channel complexity, and floodplain connectivity. This will increase habitat diversity and improve rearing and spawning potential in Skinney Creek for spring Chinook and steelhead.

FINAL PROJECT DESCRIPTION

This project developed prelminary designs for the Skinney Creek stream restoration project. Railroad construction and subsequent construction of Highway 2 re-aligned Skinney Creek into its current channel configuration. The lower 2,000 feet of Skinney Creek is narrow and confined between two remnant berms or levees. This design project developed conceptual and preliminary designs to re-construct the stream channel into its former floodplain area.

Narrative

Yakama Nation hired Interfluve to complete conceptual designs and CCNRD sub-contracted with Yakama Nation to hire Interfluve to develop preliminary designs with the RCO funds. Yakama Nation staff have been working directly with USFS to obtain feedback and input on selection of the proposed design.

Worksites

Worksite #1: Skinney Creek Floodplain

Worksite Address (Optional)

Street Address Hwy 2 and River Road
City Coler Corner
State, Zip WA 98826

Worksite Details

Worksite #1: Skinney Creek Floodplain

Worksite Name Skinney Creek Floodplain

WORKSITE DESCRIPTION

The project design will start at the confluence of Chiwaukum Creek and Skinney Creek and it will continue upstream in Skinney Creek until the Hwy 2 crossing near the intersection of River Road and Hwy 2

Geographic Coordinates

From mapped point:	Latitude	47.689295	Longitude	-120.736726
For Directions:	Latitude	47.689959	Longitude	-120.737357

SITE ACCESS DIRECTIONS

The site is located on Hwy 2 near the intersections of River Road and Chiwaukum Creek road

Properties

Worksite #	Worksite Name	Property Name	Sponsor Verified	RCO Verified	RCO Verified Map
1	Skinney Creek Floodplain	Skinney Creek Floodplain		✓	N/A

Planning Metrics

Worksite: Skinney Creek Floodplain (#1)

	Current Agreement	Final
Targeted salmonid ESU/DPS (A.23) The salmon ESU (Evolutionarily Significant Unit) or steelhead DPS (Distinct Population Segment) name that the project is targeting. For species where ESU/DPS name is not known or determined, use the species name with unidentified ESU (e.g., Chinook salmon - unidentified ESU).	No Salmon ESU or Steelhead DPS Chinook Salmon-Upper Columbia River Spring-run ESU Chinook Salmon-Upper Columbia River summer/fall-run ESU Chinook Salmon-unidentified ESU ✓ Steelhead-Upper Columbia River DPS Steelhead/Trout-unidentified DPS	No Salmon ESU or Steelhead DPS Chinook Salmon-Upper Columbia River Spring-run ESU Chinook Salmon-Upper Columbia River summer/fall-run ESU Chinook Salmon-unidentified ESU ✓ Steelhead-Upper Columbia River DPS Steelhead/Trout-unidentified DPS
Area Encompassed (acres) (B.0.b.1) Acres of land area affected by the planning and assessment activities (to the nearest 0.1 acre). For design projects, this is the project footprint. For assessments, this is the area to be assessed.	10.0	10.0
Targeted species (non-ESU species) Select one or more of the fish species that this project will benefit.	None Unknown Brook Trout Brown Trout ✓ Bull Trout Cutthroat Kokanee Rainbow Searun Cutthroat	None Unknown Brook Trout Brown Trout ✓ Bull Trout Cutthroat Kokanee Rainbow Searun Cutthroat
Miles of Stream and/or Shoreline Affected (B.0.b.2) The miles of freshwater stream and/or marine shoreline affected (to the nearest 0.01 mile). For design projects, the miles in the project footprint. For assessments, the miles to be assessed.	0.70	0.70

Design for Salmon restoration

Projects include complete engineering or premliminary design.

Preliminary design

Preliminary engineering/design work for restoration projects.

Total cost for Preliminary design Enter the cost (to the nearest dollar) of this work type, as close as you can reasonably get it.	$107,000	*Not Collected at Closure*
Project Identified in a Plan or Watershed Assessment. Name of the Recovery Plan that identifies the need or justification for conducting this project. If not identified in Recovery Plan, name the watershed assessment or other plan which justifies the need for the project. Use endnote citation format (Author, date, title, source, source address). If project was not identified in a plan, enter "none." (500 characters max).	Preliminary Designs for the Skinney Creek Floodplain Restoration	Preliminary Designs for the Skinney Creek Floodplain Restoration
Priority in Recovery Plan Priority in Recovery Plan. How is the project prioritized or justified by the above plan? (i.e. addresses a priority action, occurs in a priority area, or targets a priority species). Include page reference. If project was not identified in a Plan, enter 'None'	Development of the preliminary designs will include development of design alternatives in a restoration plan as well as development of design plans, stakeholder comments, and a design report. Project deliverables will be consistent with Appendix D of Manual 18.	Preliminary designs include engineering design plans and a design report. Project deliverables are consistent with Appendix D of Manual 18.
Name and Description of Plan Name and brief description of the plan that was developed through the grant. If no plan was developed, enter "None".	Upper Columbia Salmon Recovery Plan	Upper Columbia Salmon Recovery Plan.

Final Report, Project 14-1732

Overall Metrics

	Current Agreement	Final
Completion Date		
Projected date of completion Estimated date the scope of work will be completed.	9/30/2016	01/31/201
Project Goals		
Goals, purpose, and expected benefits (A.17) Short description of the goals and purpose of the project and how it is expected to benefit salmonids or salmonid habitat.	This project will develop a prelminary design of the preferred alternative to re-align Skinney Creek back into its historic	This project developed a prelminary design to re-align Skinney Creek back into its historic channel and adding large

Planning Costs

Final amounts include a pending billing
Date of Last Released Billing 04/21/2017

	Proposed	Final
Worksite: Skinney Creek Floodplain (#1)		
SPLIT OUT FINAL TOTAL BELOW	$107,000.00	$63,688.40
Design for Salmon restoration Costs	$107,000	$63,688
Difference		$0

Billed Summary

Final amounts include a pending billing
Date of Last Released Billing 04/21/2017

	Project Agreement		Totals To Date		
Category	**RCO**	**Total**	**Expended**	**Non Reimbursable**	**Total Billed**
Non-Capital					
Non-Capital Costs			27,364.40	36,324.00	63,688.40
Equipment					
Non-Capital Total	**40,852.00**	**77,176.00**	**27,364.40**	**36,324.00**	**63,688.40**
Total	40,852.00	77,176.00	27,364.40	36,324.00	63,688.40

Sponsor Match

		Proposed		Final
Project Funding				
PCSRF Federal Funds (A.10)		$40,852.00		$242.36
State Funds (A.11)				
Pending Billing - RCO Share Approved				$27,122.04
Sponsor Match: Monetary Funding				
Amount of other monetary funding (A.12)		$66,148		$36,324
Source of other monetary funding (A.12.a)	N/A		Yakama Nation	
Sponsor Match: Donated Un-paid Labor (volunteers)				
Value of Donated Unpaid Labor (Volunteers) (A.13.a.2)		$0		$0
Source of Donated Un-paid labor contributions (A.13.a.4)	N/A		N/A	
Number of hours volunteers contributed to the project (A.13.a.1)		*Collected at Closure*		0
Describe how the value of the volunteers was determined (A.13.a.3)		*Collected at Closure*	N/A	
Sponsor Match: Donated Paid Labor				
Value of Donated Paid Labor (A.13.b.1)		$0		$0
Source of Donated Paid Contributions (A.13.b.2)	N/A		N/A	
Sponsor Match: Other In-kind Contributions				
Value of Other In-Kind Contributions (A.13.c.1)		$0		$0
Source of Other In-Kind Contributions (A.13.c.3)	N/A		N/A	
Description of other In-Kind contributions (A.13.c.2)	N/A		N/A	
	Amount Total	$107,000		$63,688
	Total Billed			$63,688
	Difference			$0

Attachments

PHOTOS (JPG, GIF)

FILES AND PHOTOS

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Shared
	02/07/2018	Design document	Preliminary Design Drawings 12-2017	JenniferH	Skinney Creek Preliminary Design.pdf, 328342 Final Report, 04/04/2018, Accepted	
	02/07/2018	Design document	Preliminary Basis of Design Report 12-2017	JenniferH	SkinneycreekPreliminary Design Report.pdf, 328341 Final Report, 04/04/2018, Accepted	

Certify & Submit

Status History

Report Status	Date	User	Note
Accepted	04/04/2018	Marc Duboiski	Looks good. Will the Yakamas fund the construction? Thank you.
Submitted	03/30/2018	Jennifer Hadersberger	
Draft	02/07/2018	Jennifer Hadersberger	

WASHINGTON STATE Recreation and Conservation Office

Property Report

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Sponsor: Chelan Co Natural Resource Program: Salmon Federal Projects Status: Active
Project Start Date: 11/25/2015 Agreement End Date: 01/31/2018

PROPERTY: Skinney Creek Floodplain (1: Skinney Creek Floodplain)

Property Basics

Acquisition ✓**Planning**

Property Location

Property Name Skinney Creek Floodplain
Property Address (optional)
City
State **Zip**

Property Description This project will design the floodplain restoration of Skinney Creek from the confluence of Skinney Creek and Chiwaukum Creek extending upstream to where Skinney creek crosses under Hwy 2 near the intersection of Hwy 2 and River road.
Associated Worksite Skinney Creek Floodplain (#1)

Landowner

Landowner Name US Forest Service (USFS)
Address (optional) 600 Sherbourne
City Leavenworth
State WA **Zip** 98826
Landowner Type Federal

Control and Tenure

Instrument Type Public Use Agreement
Timing Proposed
Term Type Perpetuity
 # Yrs
Expiration Date
Note

Parcel Numbers

County Name	Parcel Number	Mapped	Notes (optional)
No parcels			

Recording Numbers

Instrument Type	Recording Number	Notes

RCO Notes

✓**Property data verified by RCO Staff**

Attachments

PHOTOS (JPG, GIF)

FILES AND PHOTOS

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Shared
No attachments match filter criteria						