

Final Report

Project #12-1438, Lower Nason Creek RM 3.7 - 4.7 Restoration

Submitted by Jennifer Hadersberger on 02/15/2017

Accepted by Marc Duboiski on 02/15/2017

CONTACTS

Primary Sponsor: Chelan Co Natural Resource

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Billing Contact: Sofia Bjorklund
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Managing Agency: Rec. and Conserv. Office

RCO Grant Manager: Marc Duboiski
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DESCRIPTION OF THE COMPLETED PROJECT

Project Start Date: 12/06/2012

FundingEnd Date: 12/31/2016

RCO Closure Date:

This project completed the following actions:

1. Bridge Abutment Fill Removal (Nason Creek RM 4.7): This action removed 1,325 cubic yards (0.14 acre) of fill associated with a relic abutment of a historical bridge. This action restores channel migration potential on river left.
2. Road Approach Floodplain Fill Removal (Nason Creek RM 4.6): This action removed 0.61 acre (1,825 cy) of fill from the Nason Creek floodplain and restores floodplain wetland conditions.
3. Oxbow Enhancement (Nason Creek RM 3.9): This action added 28 pieces of large wood to enhance existing side channel habitat.

This project also included 2 years of implementation monitoring and adaptive management actions such as additional survey, hand excavation of material, and supplemental planting. Monitoring efforts included 2 seasons of data collection summarized in a text report and a video to document sediment deposition and subsequent revegetation in the oxbow.

SITE LOCATION

General Area of Project: Downstream of Cole's Corner

Waterbodies:

Cong District 2012: 08
County: Chelan
HUC: Wenatchee
Leg District 2012: 12
Salmon Recov Reg 05: Upper Columbia
Section: 09
Township/Range: T26NR17E
WAU: NASON, LOWER
WRIA: Wenatchee

Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

PROJECT NARRATIVE

Design – we should have staked the design in the field prior to construction staking. There were some design revisions made based upon construction staking. This resulted in a slightly steeper slope along the east bank of the floodplain fill removal area. This is not a problem and it did not change cost or function but the late changes were a little chaotic.

Permitting – there was discussion about whether or not to cofferdam for the bridge abutment removal. Without the cofferdam, there would not have been a Corps permit for the project (since the project was all fill removal and placement of organic material). Without a Corps permit, there was no Section 401 coverage for the project. So the NWP 33 for placement of a cofferdam provided the DOE statewide programmatic coverage for the Section 401 water quality certification. WDFW supported the need for a cofferdam because we requested a later in-water work window and the project is near spring Chinook spawning. In the end, I was super glad we had a cofferdam because we would have made a muddy mess without it. There was minimal sediment release with the cofferdam in place.

Construction – CCNRD advertised for bids, held a pre-construction walkthrough with potential bidders and opened bids on July 7th. EcoGrind Site Solutions submitted the low bid. After a pre-construction conference with WDFW, CCNRD and EcoGrind work began on the parking lot fill removal area on July 14th. The Chiwaukum Creek Fire started soon after construction began and the contractor was subject to Forest Service fire hazard restrictions. Work hours and type of equipment as well as a complete ban on any helicopter activity were included. A waiver was granted allowing the contractor to deliver the logs on Monday morning July 28th. Log delivery and placement was completed within 3 hours. After meeting with the Weyerhaeuser Forester, work began on the bridge abutment removal portion of the project. The contractor installed a cofferdam and CCNRD staff removed fish on August 4th. EcoGrind mobilized additional equipment to allow simultaneous work on the parking lot removal and bridge abutment areas. Construction staking, de-fishing, and turbidity monitoring was provided by CCNRD staff. All earthwork and log placement work was completed on August 15th. Site re-vegetation was completed in October.

This information and more is included in a construction report uploaded in the attachments

AMENDMENTS

#	Type	Applied Date	Description
1	Project Type Change	07/01/2013	The design and construction of an ELJ is removed from the scope and the funds are shifted to finishing preliminary designs and permitting for a side channel reconnection project at RM 4.6 of Nason Creek.

EQUIPMENT

Item Description	Model #	Purchase Date	Amount	Serial #
			\$0.00	

OVERALL PROJECT COSTS

Funding Formula:	Requested		Original		Final	
Salmon Federal Projects:	\$0.00	(0%)	\$278,233.00	(70%)	\$272,933.88	(70%)
Salmon State Projects:	\$338,233.00	(85%)	\$60,000.00	(15%)	\$60,000.00	(15%)
Sponsor Match:	\$60,000.00	(15%)	\$60,000.00	(15%)	\$59,059.98	(15%)
Total:	\$398,233.00	(100%)	\$398,233.00	(100%)	\$391,993.86	(100%)
Paid To Date:	\$332,933.88		Last Released Billing: 02/16/2017			
Remaining RCO Funds:	\$0.00		Pending Billing: No			
Advance Balance:	\$0.00		Match Bank:	\$6,239.14	Number of Billings: 12	
Admin Limit:	\$0.00		Admin Spent:	\$0.00		
A&E Limit:	\$81,000.00	25.53%	A&E Spent:	\$10,578.55	2.69%	

Billed Cost Summary:	Original Agreement	Expended	Non-Reimbursable	Total Billed
Planning and Restoration				
Construction	\$317,233.00	\$249,953.11		\$249,953.11
AA&E	\$81,000.00	\$10,578.55		\$10,578.55
Planning and Restoration Total	\$398,233.00	\$260,531.66		\$260,531.66
Non-Capital				
Non-Capital Costs		\$72,402.22	\$70,048.41	\$142,450.63
Equipment				
Non-Capital Total		\$72,402.22	\$70,048.41	\$142,450.63
Total	\$398,233.00	\$332,933.88	\$70,048.41	\$402,982.29

Project Cost Metrics:	Original Agreement	Final
PCSRF Federal Funds (A.10):		\$272,933.88
State Funds (A.11):		\$60,000.00
Other Federal Funding:		
Pending Billing - RCO Share Approved:		
Retainage - RCO amount retained:		\$0.00
Amount of other monetary funding (A.12):		\$70,048.00
Project identifier for the other monetary funding (A.12.b):		HCP Tributary Committee
Source of other monetary funding (A.12.a):		HCP Tributary Committee
Value of Donated Unpaid Labor (Volunteers) (A.13.a.2):		\$0.00
Source of Donated Un-paid labor contributions (A.13.a.4):		NA
Number of hours volunteers contributed to the project (A.13.a.1):		0
Describe how the value of the volunteers was determined (A.13.a.3):		NA
Value of Donated Paid Labor (A.13.b.1):		\$0.00
Source of Donated Paid Contributions (A.13.b.2):		NA
Value of Other In-Kind Contributions (A.13.c.1):		\$0.00
Source of Other In-Kind Contributions (A.13.c.3):		NA
Description of other In-Kind contributions (A.13.c.2):		NA

PROJECT METRICS		
	Original Agreement	Final
Completion Date		
Projected date of completion:		12/31/2016
Project Goals		
Goals, purpose, and expected benefits (A.17):		The goal of this project is to restore off-channel habitat for juvenile chinook and steelhead.

WORKSITE #1: Fill Removal, Oxbow Enhance & Design

Worksite Description: Fill removal and oxbow enhancement

Driving Directions: From the intersection with Hwy 2 and SR 207 go north on SR 207 approximately 0.5 miles

Coordinates for Worksite Directions - Latitude: 47.45 **Longitude:** -120.44

Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

WORKSITE #1 COSTS

Worksite Billed Cost:	Estimated	Expended	Non-Reimbursable	Total Billed
AA&E	\$81,000.00	\$10,578.55		\$10,578.55
Construction	\$317,233.00	\$249,953.11		\$249,953.11
Equipment				
Non-Capital Costs	\$317,233.00	\$72,402.22	\$70,048.41	\$142,450.63
Worksite Total	\$715,466.00	\$332,933.88	\$70,048.41	\$402,982.29

Worksite Costs by Category:

Original Agreement

Final

Design for Salmon restoration Costs:	\$127,693.00
Instream Habitat Costs (C.4.a):	\$202,210.00
General Restoration Activity Costs:	\$3,000.00
Cultural Resource Costs:	\$8,000.00
Permits Costs:	\$51,500.00
Architectural & Engineering Costs:	\$10,578.55

WORKSITE #1 METRICS

Original Agreement

Final

Targeted salmonid ESU/DPS (A.23):	Chinook Salmon-Upper Columbia River Spring-run ESU, Steelhead-Upper Columbia River DPS
Area Encompassed (acres) (B.0.b.1):	3.5
Targeted species (non-ESU species):	Bull Trout
Miles of Stream Affected (B.0.b.2):	1.00
Miles Of Stream Treated/Protected (C.0.b):	1.00
Type Of Monitoring (C.0.d.1):	Implementation Monitoring
Monitoring Location (C.0.d.2):	Onsite

Design for Salmon restoration

Final design and permitting

Name of the Plan:	Restoration Design of Floodplain Side Channel Reconnection at RM 4.6.
Description of the Plan:	Preliminary design and permitting of putting culverts under SR 207.

Instream Habitat Project

Total Miles Of Instream Habitat Treated (C.4.b):	1.00
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Channel reconfiguration and connectivity (C.4.c.1)

Type of change to channel configuration and connectivity (C.4.c.2):	Creation/Connection to Off-Channel Habitat
Miles of Stream Treated for channel reconfiguration and connectivity (C.4.c.3):	0.00
Miles of Off-Channel Stream Created (C.4.c.4):	0.04
Acres Of Channel/Off-Channel Connected Or Added (C.4.c.5):	0.6

Instream Pools Created/Added (C.4.c.6):	0
General restoration activities	
Implementation monitoring	
Number of site visits:	6
Cultural Resources	
Cultural resources	
Cultural resource work completed : Hours of monitoring required:	1
Acres surveyed for cultural resources:	5.00
Permits	
Obtain permits	
Number of permits required for implementation of project:	5
Architectural & Engineering	
Architectural & Engineering (A&E)	
Total cost for Architectural & Engineering (A&E):	\$81,000.00
Did A&E costs exceed billed amount (Yes/No):	No

PROPERTY DESCRIPTION (USFS)

Activity: Planning/Restoration

Control & Tenure:

Instrument Type: Lease

Timing: Proposed

Term Length: Fixed # of years **# yrs:** 10

Expiration Date: 12/31/20

Landowner Type: Federal

Note:

Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

Sponsor Clarifications:

PROPERTY DESCRIPTION (Weyerhaeuser - Columbia Timberlands)

Activity: Planning/Restoration

Control & Tenure:

Instrument Type: Landowner Agreement

Timing: Proposed

Term Length: Fixed # of years **# yrs:** 10

Expiration Date: 12/31/20

Landowner Type: Private

Note:

Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

Sponsor Clarifications:

SPONSOR CERTIFICATION

☒ I certify that this project has been completed in accordance with the project agreement.

☒ I certify that, to the best of my knowledge, the information in the Final Report is true and correct.

Submitted by Jennifer Hadersberger on 02/15/2017