

Final Report

Project #11-1347, Coulter Creek Barrier Replacement

Submitted by Mike Kane on 03/06/2015

Accepted by Marc Duboiski on 03/09/2015

CONTACTS

Primary Sponsor: Chelan Co Natural Resource

Lead Entity: Upper Columbia Sal Rec BD LE

Managing Agency: Rec. and Conserv. Office

Project Contact: Mike Kane
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Billing Contact: Kathy Bangs
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RCO Grant Manager: Marc Duboiski
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DESCRIPTION OF THE COMPLETED PROJECT

Project Start Date: 12/08/2011

FundingEnd Date: 12/31/2014

RCO Closure Date:

The project area is within WRIA 45 in the Lower White Pine Reach of Nason Creek as defined in the Lower White Pine Reach Assessment (USBR 2009). The replacement of the barrier culverts at RM 0.4 with a 13' diameter culvert improves Chinook and Steelhead access to 1.6 miles of potential spawning habitat, of which the first 0.3 miles is low gradient rearing habitat. The goal of this action was to increase access to rearing habitat steelhead in Nason Creek and the Wenatchee Subbasin. This project complements the larger Nason Creek Lower White Pine (LWP) Reconnection that will reconnect 14.9% of the Upper Nason Creek Basin including the reestablishment of hydraulic connectivity to the Coulter Creek drainage to the mainstem Nason Creek.

SITE LOCATION

General Area of Project: Nason Creek

Waterbodies:

Cong District 2012: 08
County: Chelan
HUC: Wenatchee
Leg District 2012: 12
Salmon Recov Reg 05: Upper Columbia
Section: 11
Township/Range: T26NR16E
WAU: NASON, LOWER
WRIA: Wenatchee



Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

PROJECT NARRATIVE

Design for the Coulter Creek Barrier Replacement Project was completed by the US Bureau of Reclamation. Design did not start until after completion of the LWP BNSF Project in 2013. The 30% designs included a 9' diameter squash culvert which WDFW decided was undersized based on BFW. Designs were revised to include a 13' squash pipe and permits were secured based on that design. Section 106 permitting was initiated late in the process, so the sponsor had to request an extension of the in-water work window. Work was completed in November of 2014 under less than ideal conditions (frozen soils and diversion pumps).

Olin Excavation completed the work. Cost overruns resulted because of changes in the designs and the expenses associated with a utility relocate. RCO provided additional funds to complete the project. Alan Schmidt, Chelan County and Colin Forsyth, US Bureau of Reclamation supervised construction implementation.

Landowners along the Dardanelles were flexible with the disruption to access and as always very supportive of the salmon recovery efforts in the reach. The Byther Family (landowner) was very accomodating thruout the project planning and implementation.

AMENDMENTS

#	Type	Applied Date	Description
1	Cost Change	02/23/2015	The cost of the culvert and the relocation of utilities was higher than anticipated. The SRFB share of the project is increased by \$12,668 and the sponsor match by \$2,231, for a total cost increase of 14,899.

OVERALL PROJECT COSTS

Funding Formula:		Requested		Original		Final		
Salmon Federal Projects:	\$0.00	(0%)	\$70,657.00	(85%)	\$83,325.00	(85%)		
Salmon State Projects:	\$70,657.00	(85%)	\$0.00	(0%)	\$0.00	(0%)		
Sponsor Match:	\$12,469.00	(15%)	\$12,469.00	(15%)	\$14,700.00	(15%)		
Total:	\$83,126.00	(100%)	\$83,126.00	(100%)	\$98,025.00	(100%)		
Paid To Date:	\$83,325.00						Last Released Billing: 03/10/2015	
Remaining RCO Funds:	\$0.00						Pending Billing: No	
Advance Balance:	\$0.00		Match Bank:	\$0.00			Number of Billings: 1	
Admin Limit:	\$0.00		Admin Spent:	\$0.00				
A&E Limit:	\$12,785.87	15.00%	A&E Spent:	\$7,035.92	7.17%			
Billed Cost Summary:		Original Agreement		Expended		Non-Reimbursable		Total Billed
AA&E	\$12,785.87		\$4,794.43		\$2,241.49		\$7,035.92	
Construction	\$85,239.13		\$90,998.72				\$90,998.72	
Restoration								
Restoration Total	\$98,025.00		\$95,793.15		\$2,241.49		\$98,034.64	
Total	\$98,025.00		\$95,793.15		\$2,241.49		\$98,034.64	

Project Cost Metrics:		Original Agreement	Final
PCSRF Federal Funds:		\$83,325.00	\$83,325.00
State Funds:			
Other Federal Funding:			
Pending Billing - RCO Share Approved:			
Retainage - RCO amount retained:			\$0.00
Amount of other monetary funding:		\$12,469.00	\$14,710.00
Project identifier for the other monetary funding:		HCP Tributary Committee	HCP Tributary Committee
Source of other monetary funding:		HCP Tributary Committee	HCP Tributary Committee
Value of Donated Unpaid Labor (Volunteers):		\$0.00	\$0.00
Source of Donated Un-paid labor contributions:		N/A	NA
Number of hours volunteers contributed to the project:			0
Describe how the value of the volunteers was determined:			NA
Value of Donated Paid Labor:		\$0.00	\$0.00
Source of Donated Paid Contributions:			NA
Value of Other In-Kind Contributions:		\$0.00	\$0.00
Source of Other In-Kind Contributions:			NA
Description of other In-Kind contributions:		N/A	NA

PROJECT METRICS

	Original Agreement	Final
Completion Date		
Projected date of completion:	10/31/2012	11/14/2014
Project Goals		
Goals, purpose, and expected benefits:	Open up habitat for salmon	The goal of this project improves Chinook and Steelhead access to 1.6 miles of potential spawning habitat, of which the first 0.3 miles is low gradient rearing habitat. The benefit of this action will increase access to rearing habitat for steelhead in Nason Creek and the Wenatchee Subbasin.

WORKSITE #1: Coulter Creek Culverts

Worksite Description: Coulter Creek is a 4.6 square-mile basin in Township 26 North, Range 16 East, Sections 11, Willamette Meridian. At RM 0.4 of Coulter Creek there is a dual pipe culvert crossing fish passage barrier culvert under Dardanelle's gravel road crossing.

Driving Directions: The culverts can be accessed from Highway 2 – 0.5 miles from the Washington State rest stop then left onto West Dardenelles Road. This is a private gravel road that crossed Coulter Creek at RM 0.4. .

Coordinates for Worksite Directions - Latitude: 47.77 **Longitude:** -120.80

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	\$7,500.00	\$4,794.43	\$2,241.49	\$7,035.92
Construction	\$75,626.00	\$90,998.72		\$90,998.72
Worksite Total	\$83,126.00	\$95,793.15	\$2,241.49	\$98,034.64

Worksite Costs by Category:	Original Agreement	Final
Fish Passage Funding:	\$67,626.00	\$82,999.00
Cultural resource funding:	\$3,000.00	\$3,000.00
Permits Funding:	\$5,000.00	\$5,000.00
Architectural & Engineering Funding:	\$7,500.00	\$7,035.92

WORKSITE #1 METRICS

	Original Agreement	Final
Targeted salmonid ESU/DPS:	Steelhead-Upper Columbia River DPS	Steelhead-Upper Columbia River DPS
Targeted species (non-ESU species):	None	None
Miles Of Stream Treated/Protected:	0.01	0.01
Project Identified In a Plan or Watershed Assessment:	Restoration of Nason Creek habitat is identified the top priority for implementation of habitat actions in the Wenatchee Basin as prioritized by the Upper Columbia Regional Technical Team and as in the Upper Columbia Salmon Recovery Plan (UCSRB 2007).	Restoration of Nason Creek habitat is identified the top priority for implementation of habitat actions in the Wenatchee Basin as prioritized by the Upper Columbia Regional Technical Team and as in the Upper Columbia Salmon Recovery Plan (UCSRB 2007).
	The Coulter Creek Barrier was identified as a barrier in both the USFS Barrier Inventory (2000) and Chelan County Barrier Inventory (2000).	The Coulter Creek Barrier was identified as a barrier in both the USFS Barrier Inventory (2000) and Chelan County Barrier Inventory (2000).
Type Of Monitoring:	Implementation Monitoring	Implementation Monitoring
Monitoring Location:	Downstream	Downstream
Fish Passage Improvement		
Number of blockages / impediments / barriers impeding passage:		2
Type Of Barrier:		Culvert
Miles Of Stream Made Accessible:	1.60	1.60
Square Miles Of streambed made accessible:	4.0	4.0
Culvert installed or improved		
Total cost for Culvert installed or improved:		
Miles of stream made accessible by culvert installation/repair:	1.60	1.60
Number of culverts:	2	2

Cultural Resources

Cultural resources

Cultural resource work completed : Acres excavated:		0
Total cost for Cultural resources:		
Acres surveyed for cultural resources:	0.01	0.01

Permits**Obtain permits**

Total cost for Obtain permits:		
Number of permits required for implementation of project:	6	6

Architectural & Engineering**Architectural & Engineering (A&E)**

Total cost for Architectural & Engineering (A&E):		
Did A&E costs exceed billed amount (Yes/No):		No

PROPERTY DESCRIPTION (West Dardenelles Road.)

Activity: Restoration

Control & Tenure:

Instrument Type: Landowner Agreement

Timing: Proposed

Term Length: Fixed # of years **# yrs:** 5

Expiration Date:

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 Mike Kane on 03/06/2015