

Project #07-1982, BSA - Mt Baker Council - Tracy Creek R6

Submitted by Jamie Glasgow on 12/11/2013

Accepted by David Caudill on 12/12/2013

CONTACTS

Primary Sponsor: Wild Fish Conservancy

Project Contact: Jamie Glasgow
jamie@wildfishconservancy.org

Lead Entity: Skagit Watershed Council LE

Billing Contact: Terri Shell
terri@wildfishconservancy.org

Managing Agency: Rec. and Conserv. Office

RCO Grant Manager: David Caudill
Dave.Caudill@rco.wa.gov

DESCRIPTION OF THE COMPLETED PROJECT

Project Start Date: 10/07/2010

FundingEnd Date: 11/30/2013

RCO Closure Date:

This project occurred on Tracy Creek, a tributary to Walker Creek which flows into the Skagit River. The site consisted of two private driveway crossings. Site B (NC18) is about 200 meters upstream of site A (NC19). Correcting both these barriers opened access to about 1.13 miles of habitat. These are the last barriers to be corrected on this stream, though there is an ephemeral rock/debris jam approx. 150 meters downstream from Site A that currently restricts anadromous fish access to the site. Coho have been known to reach the culverts, searun cutthroat and steelhead are present in Walker Creek and presumed present here. Chinook are also present in Walker Creek and potentially present here.

In 2011, NRCS engineers designed and constructed fish passage improvements at the culverts at both crossings, removing the undersized culverts and replacing them with steel bridges. The landowner also had an NRCS grant to replace the culverts which partially funded the project. During summer 2013, WFC performed bank bioengineering and native veg. planting at Site A to address exacerbated bank erosion. A time-lapse video of the bioengineering is available at:

<http://www.youtube.com/watch?v=m0EjUcTanTQ&feature=share&list=UUpoashrR-NSRLKR8hvRLPMQ> .

SITE LOCATION

General Area of Project: Skagit County

Waterbodies: Tracy Creek

Cong District: 02
Cong District 2012: 01
County: Skagit
HUC: Lower Skagit
Leg District: 39
Leg District 2012: 10
Salmon Recov Reg 05: Puget Sound
Section: 04, 33
Township/Range: T33NR05E, T34NR05E
WAU: Nookachamps



Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

PROJECT NARRATIVE

In 2011, NRCS removed undersized culverts from two private driveway crossings over Tracy Creek, tributary to Walker Creek in the Skagit watershed. NRCS designs seemed heavy-handed but after several iterations permits for construction were granted. NRCS oversaw construction in summer 2011, and the quality of the bridge install and associated armoring was poor. The bridge was purchased from and installed by Janicki. Bridge armoring at Site A began to fail after the first winter, and the newly paved driveway suffered damage - see attached WFC design memo, 2/22/13. An emergency HPA was issued to allow NRCS and landowner to remove and replace some riprap in 2012.

In 2013, WFC designed and implemented a bank stabilization project using extensive coir wrapping, LWD placement, and native riparian planting. Riparian planting species selection was affected by the presence of power line over much of the site. Backhoe was operated by Lorric Logging, and labor was provided by Skagit Fisheries Enhancement Group and their WCC crew. A time-lapse video of the bioengineering is available at: <http://www.youtube.com/watch?v=m0EjUcTanTQ&feature=share&list=UUpoashrR-NSRLKR8hvRLPMQ>

AMENDMENTS

#	Type	Applied Date	Description
3	Time Extension	11/05/2012	The project period of 10/07/2010 to 11/30/2012 is extended to allow the contracting party until 11/30/2013 to complete the project.
2	Time Extension	02/24/2012	The project period of 10/07/2010 to 03/30/2012 is extended to allow the contracting party until 11/30/2012 to complete the project.
1	Time Extension	12/05/2011	The project period of 10/07/2010 to 12/31/2011 is extended to allow the contracting party until 03/30/2012 to complete the project.

OVERALL PROJECT COSTS

Funding Formula:	Requested	Original	Final
FFFP Grants:	\$113,000.00 (100%)	\$113,000.00 (100%)	\$112,828.90 (100%)
Total:	\$113,000.00 (100%)	\$113,000.00 (100%)	\$112,828.90 (100%)
Paid To Date:	\$112,828.90		Last Released Billing: 12/18/2013
Remaining RCO Funds:	\$0.00		Pending Billing: No
Advance Balance:	\$0.00	Match Bank: \$0.00	Number of Billings: 9
Admin Limit:	\$0.00	Admin Spent: \$0.00	
A&E Limit:	\$14,977.29 15.31%	A&E Spent: \$14,901.91 13.20%	

Billed Cost Summary:	Original Agreement	Expended	Non-Reimbursable	Total Billed
Restoration				
Construction	\$98,000.00	\$97,926.99		\$97,926.99
A&E	\$15,000.00	\$14,901.91		\$14,901.91
Restoration Total	\$113,000.00	\$112,828.90		\$112,828.90
Total	\$113,000.00	\$112,828.90		\$112,828.90

Project Cost Metrics:	Original Agreement	Final
PCSRF Federal Funds:		
State Funds:		\$112,828.90
Pending Billing - RCO Share Approved:		
Retainage - RCO amount retained:		\$0.00
Amount of other monetary funding:	\$0.00	\$0.00
Project identifier for the other monetary funding:	NA	N/A
Source of other monetary funding:	NA	n/a
Value of Donated Unpaid Labor (Volunteers):	\$0.00	\$0.00
Source of Donated Un-paid labor contributions:	NA	n/a
Number of hours volunteers contributed to the project:		0
Describe how the value of the volunteers was determined:		n/a
Value of Donated Paid Labor:	\$0.00	\$0.00
Source of Donated Paid Contributions:		N/A
Value of Other In-Kind Contributions:	\$0.00	\$0.00
Source of Other In-Kind Contributions:		N/A
Description of other In-Kind contributions:	NA	N/A

PROJECT METRICS

	Original Agreement	Final
Completion Date		
Projected date of completion:	12/31/2011	11/30/2013
Project Goals		
Goals, purpose, and expected benefits:		<p>The goal of the project is to connect isolated habitat to increase the range and distribution of salmon.</p> <p>The objective of the project is to increase access to areas blocked by human-caused impediments. The project also addressed exacerbated bank erosion in the vicinity of Site A.</p>

WORKSITE #1: BSA - Fish Barriers

Worksite Description: Two barrier culverts on logging roads. Both on same stream.

Driving Directions: Private drive crossing located at 26024 Walker Valley Rd (which is at the end of Walker Valley Rd adjacent to the Fire Mountain Boy Scout Camp). Private drive crossing located approximately 0.4 miles upstream of the Peter Burns Rd crossing.

Coordinates for Worksite Directions - Latitude: 0.00 **Longitude:** 0.00

Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

WORKSITE #1 COSTS

Worksite Billed Cost:	Estimated	Expended	Non-Reimbursable	Total Billed
A&E	\$15,000.00	\$14,901.91		\$14,901.91
Construction	\$98,000.00	\$97,926.99		\$97,926.99
Worksite Total	\$113,000.00	\$112,828.90		\$112,828.90

Worksite Costs by Category:

	Original Agreement	Final
Fish Passage Funding:	\$113,000.00	\$96,827.00
Permits Funding:		\$1,100.00
Architectural & Engineering Funding:		\$14,901.91

WORKSITE #1 METRICS

	Original Agreement	Final
Targeted salmonid ESU/DPS:	Coho Salmon-Puget Sound/Strait of Georgia ESU, Steelhead-Puget Sound DPS	Coho Salmon-Puget Sound/Strait of Georgia ESU, Steelhead-Puget Sound DPS
Targeted species (non-ESU species):	Searun Cutthroat	Searun Cutthroat
Miles Of Stream Treated/Protected:	1.13	1.13
Project Identified In a Plan or Watershed Assessment:		None
Type Of Monitoring:		None
Monitoring Location:		No monitoring completed

Fish Passage Improvement

Number of blockages / impediments / barriers impeding passage:		2
Type Of Barrier:		Culvert
Miles Of Stream Made Accessible:	1.13	1.13
Square Miles Of streambed made accessible:	1.0	1.0

Bridge installed or improved

Miles of stream made accessible by bridge installation/repair:	1.13	1.13
Number of bridges:		2
Total cost for Bridge installed or improved:		

Permits

Obtain permits

Total cost for Obtain permits:		
Number of permits required for implementation of project:		1

Architectural & Engineering

Architectural & Engineering (A&E)

Did A&E costs exceed billed amount (Yes/No):		No
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PROPERTY DESCRIPTION (BSA - Mt Baker Council)

Activity: Restoration

Control & Tenure:

Instrument Type: Landowner Agreement

Timing: Proposed

Term Length: Fixed # of years # yrs: 10

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 Jamie Glasgow on 12/11/2013