

Final Report

Project #10-1935, Baker- Goliath Creek R9

Submitted by Jamie Glasgow on 02/28/2013

Accepted by David Caudill on 03/06/2013

CONTACTS

Primary Sponsor: Wild Fish Conservancy

Project Contact: Jamie Glasgow
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Lead Entity: Grays Harbor County LE

Managing Agency: Rec. and Conserv. Office

RCO Grant Manager: David Caudill
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DESCRIPTION OF THE COMPLETED PROJECT

Project Start Date: 10/03/2011

FundingEnd Date: 12/24/2013

RCO Closure Date: 03/06/2013

Goliath Creek, a tributary to Mima Creek which flows into the Black River (Chehalis Basin) in Thurston County. Wild Fish Conservancy replaced a 33% passable culvert with a 40' long x 14' wide low-profile steel bridge. The crossing location was adjusted to better-align the channel to the bridge. Correction of this fish barrier improved access to 4.45 miles of fish habitat for coho, steelhead, and cutthroat. No downstream barriers are known to exist but there is one private total barrier on an upstream tributary and two partial barriers and one total barrier upstream on DNR land.

SITE LOCATION

General Area of Project: Southwest Thurston County

Waterbodies: Goliath Creek

Cong District: 03
Cong District 2012: 10
County: Thurston
HUC: Upper Chehalis
Leg District: 20
Leg District 2012: 35
Salmon Recov Reg 05: Coastal
Section: 17
Township/Range: T16NR03W
WAU: Waddel Creek



Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

PROJECT NARRATIVE

Goliath Creek, a tributary to Mima Creek which flows into the Black River (Chehalis Basin) in Thurston County. Wild Fish Conservancy replaced a 33% passable culvert with a 40' long x 14' wide low-profile steel bridge. The crossing location was adjusted to better-align the channel to the bridge.

Due to survey, design, and permit delays, the project did not go to bid until August 2012. We invited four pre-qualified contractors to bid on the project; three came to the mandatory pre-bid meeting and two submitted bids. The low bid was selected McClung Const., though it was well over our engineer's CAF estimate. Further, utilities expenses (PSE (Potelco) and Century Link) were greater than predicted. Consequently, WFC had to request additional funding from FFFPP.

Lessons learned: Whenever possible, go through the bid process before the summer construction season to take advantage of contractor competition. Don't underestimate expenses when Puget Sound Energy utilities fees are involved - between the temporization and the reconnection of power, assume ~\$7 - \$10,000.

Correction of this fish barrier improved access to 4.45 miles of fish habitat for coho, steelhead, and cutthroat. Further, during construction a film crew documented the project as an example for a FFFPP advertisement piece, and articles describing the project appeared in the Olympian, the Tacoma News Tribune, and the Bellingham Herald.

AMENDMENTS

#	Type	Applied Date	Description
1	Cost Change	12/05/2012	The Wild Fish Conservancy is requesting a cost increase of \$40,608 to complete funding of this FFFPP fish passage project. The project may have been estimated low but what probably was more of the root cause was that we got out to bid on this project late into the construction season. We could have waited until next year but the bridge was ordered and we would have had to pay to store it bringing the cost up anyways so we went ahead with the project. The Steering Committee has approved this cost increase and the Fish Team is in agreement that it is necessary and justifiable.

OVERALL PROJECT COSTS

Funding Formula:		Requested		Original		Final		
	FFFPP Grants:	\$96,877.00	(100%)	\$96,877.00	(100%)	\$137,035.86	(100%)	
	Total:	\$96,877.00	(100%)	\$96,877.00	(100%)	\$137,035.86	(100%)	
	Paid To Date:	\$137,035.86		Last Released Billing: 03/06/2013				
	Remaining RCO Funds:	\$0.00		Pending Billing: No				
	Advance Balance:	\$0.00		Match Bank:	\$0.00	Number of Billings: 11		
	Admin Limit:	\$0.00		Admin Spent:	\$0.00			
	A&E Limit:	\$31,119.74	29.38%	A&E Spent:	\$15,412.03	11.24%		
Billed Cost Summary:		Original Agreement		Expended		Non-Reimbursable		Total Billed
Restoration								
	Construction	\$106,263.24		\$121,623.83				\$121,623.83
	A&E	\$31,221.76		\$15,412.03				\$15,412.03
	Restoration Total	\$137,485.00		\$137,035.86				\$137,035.86
Total		\$137,485.00		\$137,035.86				\$137,035.86

Project Cost Metrics:	Original Agreement	Final
PCSRF Federal Funds:		
State Funds:	\$137,035.86	\$137,035.86
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:	n/a	N/A
Source of other monetary funding:	n/a	N/A
Value of Donated Unpaid Labor (Volunteers):	\$0.00	\$0.00
Source of Donated Un-paid labor contributions:	n/a	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:	n/a	N/A

PROJECT METRICS

	Original Agreement	Final
Completion Date		
Projected date of completion:	12/31/2012	12/31/2012
Project Goals		
Goals, purpose, and expected benefits:	The goal of the project is to connect isolated habitat to increase the range and distribution of salmon. The objective of the project is to increase access to areas blocked by human-caused impediments.	The goal of the project is to connect isolated habitat to increase the range and distribution of salmon. The objective of the project is to increase access to areas blocked by human-caused impediments.

WORKSITE #1: Baker - Goliath Cr Fish Barrier

Worksite Description: Barrier culvert on private forest road.

Driving Directions: I-5 Littlerock exit. Go through Littlerock to T, left on Mima Rd. Go south on Mima road which becomes Gate road. Just past Weyco tree farm and Mima creek crossing is road to right with 9410 address, go north on gravel rd to crossing. Stay to the right.

Coordinates for Worksite Directions - Latitude: 46.87 **Longitude:** -123.08

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	\$22,000.00	\$15,412.03		\$15,412.03
Construction	\$74,877.00	\$121,623.83		\$121,623.83
Worksite Total	\$96,877.00	\$137,035.86		\$137,035.86

Worksite Costs by Category:	Original Agreement	Final
Fish Passage Funding:	\$71,877.00	\$119,044.00
General Restoration Activity Funding:	\$2,000.00	\$1,800.00
Permits Funding:	\$1,000.00	\$780.00
Architectural & Engineering Funding:	\$22,000.00	\$15,412.03

WORKSITE #1 METRICS

	Original Agreement	Final
Targeted salmonid ESU/DPS:	Coho Salmon-unidentified ESU, Steelhead-Southwest Washington/Washington Coast DPS	Coho Salmon-unidentified ESU, Steelhead-Southwest Washington/Washington Coast DPS
Targeted species (non-ESU species):	Cutthroat, Searun Cutthroat	Cutthroat, Searun Cutthroat
Miles Of Stream Treated/Protected:	0.01	0.01
Project Identified In a Plan or Watershed Assessment:		None
Type Of Monitoring:		Implementation Monitoring
Monitoring Location:		Onsite
Fish Passage Improvement		
Number of blockages / impediments / barriers impeding passage:		1
Type Of Barrier:		Culvert
Miles Of Stream Made Accessible:	4.45	4.45
Square Miles Of streambed made accessible:	0.0	1.0
Bridge installed or improved		
Miles of stream made accessible by bridge installation/repair:	4.45	4.45
Number of bridges:	1	1
Total cost for Bridge installed or improved:		
General restoration activities		
Implementation monitoring		
Total cost for Implementation monitoring:		
Number of site visits:	1	1
Utility relocation / reconnection		
Total cost for Utility relocation / reconnection:		
Utilities relocated / reconnected:	Communication, Power	Communication, Power
Permits		
Obtain permits		

Total cost for Obtain permits:

Number of permits required for implementation of project:

1

2

Architectural & Engineering

Architectural & Engineering (A&E)

Total cost for Architectural & Engineering (A&E):

Did A&E costs exceed billed amount (Yes/No):

No

Percent architectural & engineering:

13.00

PROPERTY DESCRIPTION (Baker Property)

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 02/28/2013