

Final Report

Project #10-1002, Hoffman, Ron- Salmon Creek R8

Submitted by Jamie Glasgow on 01/14/2015

Accepted by David Caudill on 01/14/2015

CONTACTS

Primary Sponsor: Wild Fish Conservancy

Project Contact: Jamie Glasgow
jamie@wildfishconservancy.org

Lead Entity: Grays Harbor County LE

Managing Agency: Rec. and Conserv. Office

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

DESCRIPTION OF THE COMPLETED PROJECT

Project Start Date: 09/01/2013

FundingEnd Date: 12/31/2014

RCO Closure Date:

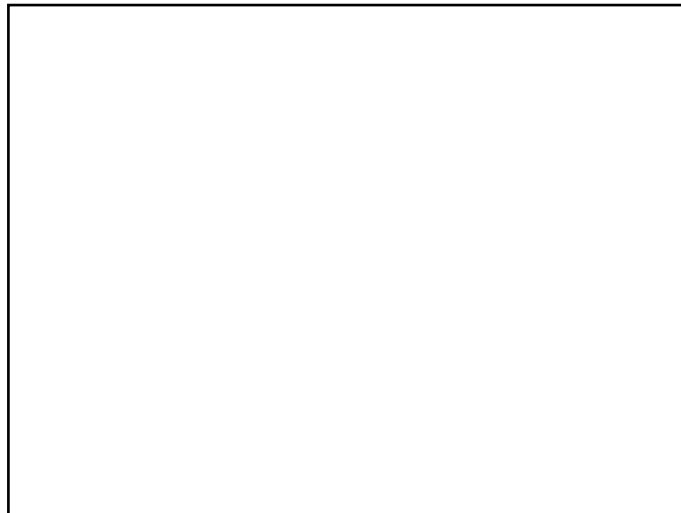
The Hoffman site is on Salmon Creek, a tributary to the Black River in Thurston County. There were four side by side culverts of varying sizes at this site all of them in poor condition. Despite the number of culverts here it is still a barrier to fish passage as the velocities exceed the level for which fish can easily pass. All of the current culverts will be removed and replaced with one larger structure that will provide fish passage at this crossing. Salmon Creek supports coho, steelhead, cutthroat trout and olympic mudminnow. Till and Kuykendall road checked all accessible up and downstream crossings and found there are no other barriers. A level B assessment showed the culverts to be a velocity barrier. There is about 5.14 miles of fish habitat above this culvert. WFC replaced the four side by side culverts with one large (16' span, 8' tall, 20' long) concrete box culvert with wing walls.

SITE LOCATION

General Area of Project: Thurston County

Waterbodies: Salmon Creek

Cong District 2012: 10
County: Thurston
HUC: Upper Chehalis
Leg District 2012: 35
Salmon Recov Reg 05: Coastal
Section: 21
Township/Range: T17NR02W
WAU: Black River
WRIA: Upper Chehalis



Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

Address: 10031 Blomberg St SW, Olympia, WA 98512

PROJECT NARRATIVE

WFC first anticipated a steel bridge at this site, but after performing the hydraulic calculations we landed on a large concrete box culvert due to the frequency the structure is likely to be overtopped. Permitting went smoothly, and Kamin Excavating was selected to construct the project. Construction required excavating into the water table which led to some water management challenges, but nothing too substantial - a series of smaller pumps were used to dry the hole prior to levelling with crushed rock base. The biggest challenge at this site was coordinating with three different utilities companies - PSE/Potelco, Verizon, and Centurytel. In the end it all came together, but not without some frustration (and considerable expense).

AMENDMENTS

#	Type	Applied Date	Description
1	Cost Change	08/20/2014	The project sponsor has requested a cost increase in the amount of \$52,950 to fully fund this project. The engineers estimate was short of the low contractor bid so the project is not funded at the level necessary to complete it. The FFFPP Steering Committee and Fish Team approve of this increase.

OVERALL PROJECT COSTS

Funding Formula:	Requested		Original		Final	
FFFP Grants:	\$117,555.00	(100%)	\$117,555.00	(100%)	\$157,189.87	(100%)
Total:	\$117,555.00	(100%)	\$117,555.00	(100%)	\$157,189.87	(100%)
Paid To Date:	\$157,189.87				Last Released Billing: 01/15/2015	
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:	\$22,731.76	16.91%	A&E Spent:	\$11,577.69	7.36%	

Billed Cost Summary:	Original Agreement	Expended	Non-Reimbursable	Total Billed
Restoration				
Construction	\$145,847.73	\$145,612.18		\$145,612.18
AA&E	\$24,657.27	\$11,577.69		\$11,577.69
Restoration Total	\$170,505.00	\$157,189.87		\$157,189.87
Total	\$170,505.00	\$157,189.87		\$157,189.87

Project Cost Metrics:	Original Agreement	Final
PCSRF Federal Funds:		
State Funds:	\$157,189.87	\$157,189.87
Other Federal Funding:		
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	N/A
Value of Other In-Kind Contributions:	\$0.00	\$0.00
Source of Other In-Kind Contributions:	N/A	N/A
Description of other In-Kind contributions:	n/a	N/A

PROJECT METRICS

	Original Agreement	Final
Completion Date		
Projected date of completion:	12/31/2014	12/31/2014
Project Goals		
Goals, purpose, and expected benefits:	The goal of this project is to remove the existing fish passage barrier and replace it with a fish passable structure that will allow unimpeded movement upstream to newly opened spawning and rearing habitat by aquatic species.	The goal of this project is to remove the existing fish passage barrier and replace it with a fish passable structure that will allow unimpeded movement upstream to newly opened spawning and rearing habitat by aquatic species.

WORKSITE #1: Hoffman - Salmon Cr Fish Barrier

Worksite Description: Barrier culvert on private forest road.

Driving Directions: From Olympia go south on I-5, exit 93rd ave. Go west on 93rd. Go left (south) on Blomberg Rd to the end.

Coordinates for Worksite Directions - Latitude: 46.94 **Longitude:** -122.95

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	\$17,000.00	\$11,577.69		\$11,577.69
Construction	\$100,555.00	\$145,612.18		\$145,612.18
Worksite Total	\$117,555.00	\$157,189.87		\$157,189.87

Worksite Costs by Category:

	Original Agreement	Final
Fish Passage Funding:	\$99,555.00	\$145,012.00
Permits Funding:	\$1,000.00	\$600.00
Architectural & Engineering Funding:	\$17,000.00	\$11,577.69

WORKSITE #1 METRICS

	Original Agreement	Final
Targeted salmonid ESU/DPS:	Coho Salmon-unknown ESU, Steelhead/Trout-unknown DPS	Coho Salmon-unknown ESU, Steelhead/Trout-unknown DPS
Targeted species (non-ESU species):	Cutthroat, Searun Cutthroat	Cutthroat
Miles Of Stream Treated/Protected:	0.01	0.01
Project Identified In a Plan or Watershed Assessment:	none	none
Type Of Monitoring:	Implementation Monitoring	Implementation Monitoring
Monitoring Location:	Onsite	Onsite

Fish Passage Improvement

Number of blockages / impediments / barriers impeding passage:	1	1
Type Of Barrier:	Culvert	Culvert
Miles Of Stream Made Accessible:	5.14	5.14
Square Miles Of streambed made accessible:	0.1	0.1

Culvert installed or improved

Total cost for Culvert installed or improved:	\$99,555.00	
Miles of stream made accessible by culvert installation/repair:	5.14	5.14
Number of culverts:	1	1

Permits

Obtain permits

Total cost for Obtain permits:	\$1,000.00	
Number of permits required for implementation of project:	1	1

Architectural & Engineering

Architectural & Engineering (A&E)

Total cost for Architectural & Engineering (A&E):	\$17,000.00	
Did A&E costs exceed billed amount (Yes/No):		No
Percent architectural & engineering:		16.91

PROPERTY DESCRIPTION (Hoffman)

Activity: 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:

Parcel Numbers:

County	Parcel Number	Note
Thurston	12720410000	

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 01/14/2015