

# Final Report

## Project #13-1437, Tobiason - Trib to Skookumchuck R11

Submitted by Jamie Glasgow on 01/23/2015

Accepted by David Caudill on 01/26/2015

### 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 Tobiason project is located on an unnamed tributary to the Skookumchuck River northeast of Centralia, WA. Three undersized culverts in an access road through a wetland/stream complex act as hydraulic controls for the upstream wetland area. The gravel access road bisects the wetland and retains water through impoundment by beaver dams or debris blockage at the metal-caged culvert inlets. The undefined upstream channel has gradients that are nearly zero and according to the downstream property owner during the winter months water is surcharged all the way from the Skookumchuck River. Beaver activity will likely continue after the project but dams would likely impede fish passage less frequently. The complex wetland, characterized by heavy scrub-shrub vegetation, is laterally expansive spanning hundreds of feet and provides excellent rearing habitat for salmon and trout. WFC removed the main (middle) culvert and replaced it with a 12 foot span by 12 foot long by 4foot high box culvert. Correction of this fish barrier improves access to 4.28 miles of habitat for coho, steelhead and searun cutthroat.

### SITE LOCATION

**General Area of Project:** Thurston County

**Waterbodies:** Un-named

**Cong District 2012:** 03  
**County:** Thurston  
**HUC:** Upper Chehalis  
**Leg District 2012:** 20  
**Salmon Recov Reg 05:** Coastal  
**Section:** 15  
**Township/Range:** T15NR02W  
**WAU:** SKOOKUMCHUCK, LOWER  
**WRIA:** Upper Chehalis



#### Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

If using GPS, just north of 20625 O'Conner Rd SE, Centralia, WA 98531.

Project Location: Parcel No. 12515210000 & 12515120101

LAT: 46.78979 LONG: -122.91873

T 1S R 2W S 15 1

4 SECTION NE/NW

### PROJECT NARRATIVE

Design and permitting went as planned. WFC contracted Kamin Excavating to construct this project, and we were satisfied with the results. A relatively straightforward project, with no utilities or property constraints other than a very tight worksite. Nice to be able to do the project when the surrounding wetland was dry.

## AMENDMENTS

#	Type	Applied Date	Description
1	Cost Change	08/20/2014	The project sponsor requested a cost increase of \$15,120 to cover the cost of the project. The engineers estimate was short of the actual low bid so the sponsor is asking for this difference to fully fund this high priority fish passage project. The Fish Team approves of this increase.

## OVERALL PROJECT COSTS

Funding Formula:	Requested		Original		Final	
FFFP Grants:	\$55,000.00	(92%)	\$55,000.00	(92%)	\$68,361.52	(93%)
Sponsor Match:	\$5,000.00	(8%)	\$5,000.00	(8%)	\$4,874.60	(7%)
<b>Total:</b>	<b>\$60,000.00</b>	<b>(100%)</b>	<b>\$60,000.00</b>	<b>(100%)</b>	<b>\$73,236.12</b>	<b>(100%)</b>
<b>Paid To Date:</b>	\$68,361.52				<b>Last Released Billing:</b>	01/26/2015
<b>Remaining RCO Funds:</b>	\$0.00				<b>Pending Billing:</b>	No
<b>Advance Balance:</b>	\$0.00		<b>Match Bank:</b>	\$125.39	<b>Number of Billings:</b>	9
<b>Admin Limit:</b>	\$0.00		<b>Admin Spent:</b>	\$0.00		
<b>A&amp;E Limit:</b>	\$16,844.29	29.87%	<b>A&amp;E Spent:</b>	\$11,106.74	15.16%	

Billed Cost Summary:	Original Agreement	Expended	Non-Reimbursable	Total Billed
Restoration				
Construction	\$57,842.40	\$60,185.77	\$2,069.01	\$62,254.78
AA&E	\$17,277.60	\$8,175.75	\$2,930.99	\$11,106.74
Restoration Total	\$75,120.00	\$68,361.52	\$5,000.00	\$73,361.52
Total	\$75,120.00	\$68,361.52	\$5,000.00	\$73,361.52

Project Cost Metrics:	Original Agreement	Final
PCSRF Federal Funds:		
State Funds:	\$68,361.52	\$68,361.52
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	Landowner Fred Tobiason
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:	\$5,000.00	\$5,000.00
Source of Other In-Kind Contributions:	Landowner will provide	Landowner Fred Tobiason
Description of other In-Kind contributions:	Logs for channel roughness and area to dispose of debris	Spoils wasting site

## PROJECT METRICS

	Original Agreement	Final
<b>Completion Date</b>		
Projected date of completion:	12/31/2014	12/31/2014
<b>Project Goals</b>		
Goals, purpose, and expected benefits:	This project supports salmon restoration by removing a fish passage barrier on this tributary to the Skookumcheck River that will allow salmonids to migrate up and downstream to spawn and rear on habitat that is opened as a result of the removal of this barrier and replacement with a fish passable structure	This project supports salmon restoration by removing a fish passage barrier on this tributary to the Skookumcheck River that will allow salmonids to migrate up and downstream to spawn and rear on habitat that is opened as a result of the removal of this barrier and replacement with a fish passable structure

## WORKSITE #1: Tobiason fish barrier

**Worksite Description:** Barrier culverts on a private forest road.

**Driving Directions:** From Olympia go south on I-5, take exit 82, go right on Harrison then right on Johnson road, right on W Reynolds Ave, left on N Pearl st. Go about 4 miles, bearing right on SR 507, then go left at fire station on O'Conner Rd. Go about 0.80 miles to private road on left. Gated, need landowner to access. If using GPS, just north of 20625 O'Conner Rd SE.

**Coordinates for Worksite Directions - Latitude:** 46.79      **Longitude:** -122.92

### 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	\$13,800.00	\$8,175.75	\$2,930.99	\$11,106.74
Construction	\$46,200.00	\$60,185.77	\$2,069.01	\$62,254.78
Worksite Total	\$60,000.00	\$68,361.52	\$5,000.00	\$73,361.52

Worksite Costs by Category:	Original Agreement	Final
Fish Passage Funding:	\$46,200.00	\$62,255.00
Architectural & Engineering Funding:	\$13,800.00	\$11,106.74

## WORKSITE #1 METRICS

	Original Agreement	Final
Targeted salmonid ESU/DPS:	Coho Salmon-unidentified ESU, Steelhead/Trout-unidentified DPS	Coho Salmon-unidentified ESU, Steelhead/Trout-unidentified DPS
Targeted species (non-ESU species):	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:	4.28	4.28
Square Miles Of streambed made accessible:	0.1	0.1

### Culvert installed or improved

Total cost for Culvert installed or improved:	\$46,200.00	
Miles of stream made accessible by culvert installation/repair:	4.28	4.28
Number of culverts:	1	1

### Architectural & Engineering

#### Architectural & Engineering (A&E)

Total cost for Architectural & Engineering (A&E):	\$13,800.00	
Did A&E costs exceed billed amount (Yes/No):		No
Percent architectural & engineering:		14.00

## PROPERTY DESCRIPTION (Tobiason)

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:

### 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 01/23/2015