

Project #11-1205, MacKenzie- Dempsey Creek R9

Submitted by Jamie Glasgow on 12/22/2014

Accepted by David Caudill on 12/22/2014

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
Dave.Caudill@rco.wa.gov

DESCRIPTION OF THE COMPLETED PROJECT

Project Start Date: 05/31/2012

FundingEnd Date: 12/15/2014

RCO Closure Date:

The project addressed two fish barriers on Dempsey Creek, a tributary to the Black River in Thurston county. The lower site (A) was 67% passable and a barrier due to a 3.27% slope. The upper site (B) was a total barrier due to a 1 meter outfall drop. The Wild Fish Conservancy sponsored this project and replaced the two barrier crossings with larger fish passable structures. Site A was replaced with a 5.5' high 12' wide 12' long concrete box. Site B was replaced with a 40' long structural steel bridge. Correction of these two barriers improve acces to 0.70 miles of habitat to the barrier dam at the headwater lake. Coho and cutthroat are present to site B and steelhead are present about a mile downstream. The stream is seasonal, likely due to the upstream dam.

SITE LOCATION

General Area of Project: Thurston County

Waterbodies: Dempsey Creek

Cong District 2012: 10
County: Thurston
HUC: Upper Chehalis
Leg District 2012: 35
Salmon Recov Reg 05: Coastal
Section: 22
Township/Range: T17NR03W
WAU: Black River
WRIA: Upper Chehalis



Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

The Site aerial photo shows the location of Mackenzie B. Mackenzie A is located at the next driveway crossing downstream, not shown on the map.

PROJECT NARRATIVE

WFC went through multiple bidding processes before getting reasonable bids from contractors. Horsley was selected to do the work, and as in the past they did a good job with the installs. The biggest challenge (for WFC and Horsley) on this project was coordinating with PSE and then Potelco. There was no big-picture game plan from PSE and Potelco - requirements were generally provided to us throughout the course of the project, sometimes with little or no time to allow us to meet them efficiently. WFC will demand a full schedule game plan from PSE/Potelco at the beginning of the next project so there are no surprises.

The MacKenzie family was great to work with and generally excited about and appreciative of the project and its results.

AMENDMENTS

#	Type	Applied Date	Description
2	Cost Change	11/03/2014	The sponsor for this project is requesting a \$12,000 cost increase to cover costs for unanticipated work that the contractor encountered during the course of the project. Much of this is related to utilities in the road that needed to be moved by PSE.
1	Time Extension	08/23/2013	The project period of 05/31/2012 to 12/16/2013 is extended to allow the contracting party until 12/15/2014 to complete the project.

OVERALL PROJECT COSTS

Funding Formula:	Requested	Original	Final
FFFP Grants:	\$178,620.00 (100%)	\$178,620.00 (100%)	\$190,538.99 (100%)
Total:	\$178,620.00 (100%)	\$178,620.00 (100%)	\$190,538.99 (100%)
Paid To Date:	\$190,538.99		Last Released Billing: 12/23/2014
Remaining RCO Funds:	\$0.00		Pending Billing: No
Advance Balance:	\$0.00	Match Bank: \$0.00	Number of Billings: 15
Admin Limit:	\$0.00	Admin Spent: \$0.00	
A&E Limit:	\$35,202.00 22.66%	A&E Spent: \$26,261.69 13.78%	

Billed Cost Summary:	Original Agreement	Expended	Non-Reimbursable	Total Billed
Restoration				
Construction	\$155,403.00	\$164,277.30		\$164,277.30
AA&E	\$35,217.00	\$26,261.69		\$26,261.69
Restoration Total	\$190,620.00	\$190,538.99		\$190,538.99
Total	\$190,620.00	\$190,538.99		\$190,538.99

Project Cost Metrics:	Original Agreement	Final
PCSRF Federal Funds:		
State Funds:	\$190,538.99	\$190,538.99
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
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:	12/31/2013	12/10/2014
Project Goals		
Goals, purpose, and expected benefits:	The goal of this project is to replace the two impassable crossings on the Mackenzie property with two structures that will allow fish to migrate both upstream and downstream of the new crossings increasing the amount of useable habitat.	The goal of this project is to replace the two impassable crossings on the MacKenzie property with two structures that will allow fish to migrate both upstream and downstream of the new crossings increasing the amount of useable habitat.

WORKSITE #1: MacKenzie fish barriers

Worksite Description: Two barrier culverts on private forest roads.

Driving Directions: From Delphi road go west on 101st , right on Dempsey Ln, at about 0.20 miles go left on long private road going west. At fork go right to site A, straight to site B.

Coordinates for Worksite Directions - Latitude: 46.95 **Longitude:** -123.04

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	\$33,000.00	\$26,261.69		\$26,261.69
Construction	\$145,620.00	\$164,277.30		\$164,277.30
Worksite Total	\$178,620.00	\$190,538.99		\$190,538.99

Worksite Costs by Category:

Original Agreement

Final

Fish Passage Funding:	\$145,620.00	\$164,277.00
Architectural & Engineering Funding:	\$33,000.00	\$26,261.69

WORKSITE #1 METRICS

Original Agreement

Final

Targeted salmonid ESU/DPS:	Coho Salmon-Southwest Washington ESU	Coho Salmon-Southwest Washington ESU
Targeted species (non-ESU species):	Searun Cutthroat	Cutthroat
Miles Of Stream Treated/Protected:	0.02	0.02
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:	2	2
Type Of Barrier:	Culvert	Culvert
Miles Of Stream Made Accessible:	0.70	0.70
Square Miles Of streambed made accessible:	0.1	0.1

Bridge installed or improved

Miles of stream made accessible by bridge installation/repair:	0.70	0.70
Number of bridges:	1	1
Total cost for Bridge installed or improved:	\$84,986.00	

Culvert installed or improved

Total cost for Culvert installed or improved:	\$60,634.00	
Miles of stream made accessible by culvert installation/repair:	0.70	0.70
Number of culverts:	1	1

Architectural & Engineering

Architectural & Engineering (A&E)

Total cost for Architectural & Engineering (A&E):	\$33,000.00	
Did A&E costs exceed billed amount (Yes/No):		No

PROPERTY DESCRIPTION (MacKenzie)

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 12/22/2014