
PROJECT: 16-2758 REST, COLLINS - HARRIS CR - R15
Sponsor: Wild Fish Conservancy Program: FFFPP Grants Status: Active
Project Start Date: 06/06/2017 Agreement End Date: 01/15/2020

Final Report Status: Accepted 01/23/2020

Description

PROJECT AGREEMENT DESCRIPTION

Wild Fish Conservancy will assist the private landowners in replacing a fish-passage barrier on their private forest land road which crosses Harris Cr, a tributary to the Snoqualmie River in King County. The current structure is a 4.0ft. diameter x 20ft. long round corrugated steel culvert which is undersized. Following a level B fish-passage assessment, the culvert was determined to be a partial barrier with 67% passability. The barrier crossing will be removed and replaced with a box culvert which will allow unimpeded fish passage at this crossing. When completed this restoration project will improve salmonid access to 5.43 miles of upstream spawning and rearing habitat for coho, steelhead, and cutthroat trout which are documented in the watershed and potentially improve migration access for bull trout which are presumed to be present.

FINAL PROJECT DESCRIPTION

Wild Fish Conservancy assisted the private landowners in replacing a fish-passage barrier on their private forest land road which crosses Harris Cr, a tributary to the Snoqualmie River in King County. The previous structure was an undersized 4.0ft. diameter x 20ft. long round corrugated steel culvert. Following a level B fish-passage assessment, the culvert was determined to be a partial barrier with 67% passability. The barrier culvert was removed and replaced with a box culvert which allows unimpeded fish passage at this crossing, and addresses flooding impacts to the private driveway. This restoration project improved salmonid access to 5.43 miles of upstream spawning and rearing habitat for coho, steelhead, and cutthroat trout which are documented in the watershed and potentially improved migration access for bull trout which are presumed to be present.

Narrative

Harris Creek is a low gradient tributary to the Snoqualmie River, known for its headwater wetlands, beaver dams, and coho salmon production potential. A private driveway with an undersized culvert on mainstem Harris Creek was impeding fish access to over five miles of spawning and rearing habitat. Additionally, the undersized culvert was overtopped annually during flood flows, temporarily preventing access to a single family residence. The landowner enrolled in FFFPP, and was extremely appreciative of the program and assistance she received. After considering several alternatives, including a concrete slab bridge, WFC replaced the undersized culvert with an 18' x 15' x 7' four-sided concrete box culvert.

We experienced some difficulty in finding contractors interested in bidding on the project. After two bid processes including on site pre bid meetings, we received a bid from Adopt A Stream foundation. The bid was accepted and construction planned for the first half of September. Unseasonably high rainfall amounts caused the contractor to incur unanticipated water management expenses, but the project team persevered. WFC project engineer Army Stonkus signed off on the project late September. During the post project site visit with FFFPP staff, at least three adult coho were observed migrating through the new box culvert.

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Worksites

Worksite #1: Collins Fish Barrier

Worksite Address (Optional)

Street Address 33431 NE Stossel Creek Way

City Duvall

State, Zip WA

Worksite Details

Worksite #1: Collins Fish Barrier

Worksite Name Collins Fish Barrier

WORKSITE DESCRIPTION

Barrier culvert on private forest road.

Geographic Coordinates

From mapped point: Latitude 47.719365 Longitude -121.891519

For Directions: Latitude 47.719420 Longitude -121.891520

SITE ACCESS DIRECTIONS

Kelly Road to Stossel Creek Way, 3rd driveway on the right. Driveway crosses over culvert

Properties

Worksite #	Worksite Name	Property Name	Sponsor Verified	RCO Verified	RCO Verified Map
1	Collins Fish Barrier	Collins	✓	✓	N/A

Restoration Metrics

Current Agreement

Final

Worksite: Collins Fish Barrier (#1)

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Targeted salmonid ESU/DPS (A.23)

The salmon ESU (Evolutionarily Significant Unit) or steelhead DPS (Distinct Population Segment) name that the project is targeting. For species where ESU/DPS name is not known or determined, use the species name with unidentified ESU (e.g., Chinook salmon - unidentified ESU).

No Salmon ESU or Steelhead DPS	No Salmon ESU or Steelhead DPS
Chinook Salmon-Puget Sound ESU	Chinook Salmon-Puget Sound ESU
Chinook Salmon-unidentified ESU	Chinook Salmon-unidentified ESU
Chum Salmon-Puget Sound/Strait of Georgia ESU	Chum Salmon-Puget Sound/Strait of Georgia ESU
Chum Salmon-unidentified ESU	Chum Salmon-unidentified ESU
✓ Coho Salmon-Puget Sound/Strait of Georgia ESU	✓ Coho Salmon-Puget Sound/Strait of Georgia ESU
Coho Salmon-unidentified ESU	Coho Salmon-unidentified ESU
Pink Salmon-Even year ESU	Pink Salmon-Even year ESU
Pink Salmon-Odd year ESU	Pink Salmon-Odd year ESU
Pink Salmon-unidentified ESU	Pink Salmon-unidentified ESU
✓ Steelhead-Puget Sound DPS	✓ Steelhead-Puget Sound DPS
Steelhead/Trout-unidentified DPS	Steelhead/Trout-unidentified DPS

Targeted species (non-ESU species)

Select one or more of the fish species that this project will benefit.

None	None
Unknown	Unknown
Brook Trout	Brook Trout
Brown Trout	Brown Trout
✓ Bull Trout	✓ Bull Trout
Cutthroat	✓ Cutthroat
Forage Fish	Forage Fish
Kokanee	Kokanee
Lamprey	Lamprey
Rainbow	Rainbow
✓ Searun Cutthroat	✓ Searun Cutthroat

Miles of Stream and/or Shoreline Treated or Protected (C.0.b)

The total length of freshwater stream, side channel, and/or marine shoreline treated or protected at the project worksite (to the nearest 0.01 mile). Multiple treatments in the same stretch of stream, side channel, or shoreline should only be "counted" once, so that the total reflects actual stream, side channel, or shoreline length subjected to treatments regardless of how many treatments were applied. This is a meander measurement of the portion of the stream treated by the project area. Include the stream adjacent to riparian project areas. This does not include "miles of stream made accessible," which is an "effect" not a treatment. Use the minimum measurement of 0.01 miles for barrier removal projects involving a single barrier.

0.01

0.01

Project Identified In a Plan or Watershed Assessment (C.0.c)

Name of the Recovery Plan that identifies the need or justification for conducting this project. If not identified in Recovery Plan, name the watershed assessment or other plan which justifies the need for the project. Use endnote citation format (Author, date, title, source, source address). If project was not identified in a plan, enter "none." (500 characters max).

None

Not Collected at Closure

Type Of Monitoring (C.0.d.1)

Type of project monitoring that occurs at the worksite during the project period. If the project has no monitoring, report 'None'.

Implementation Monitoring

Implementation Monitoring

✓ None

✓ None

Monitoring Location (C.0.d.2)

If monitoring is a component of the project worksite, select one or more of the following descriptors on the location of the monitoring: onsite; upstream; downstream; or, upslope.

✓ No monitoring completed

✓ No monitoring completed

Downstream

Downstream

Onsite

Onsite

Upslope

Upslope

Upstream

Upstream

Fish Passage Improvement

Projects that improve or provide anadromous salmonid migration up and down stream including fish passage at road crossings (bridges or culverts), barriers (dams or log jams), fishways (ladders, chutes or pools), and weirs (log or rock).

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Miles Of Stream Made Accessible (C.2.b.1)	5.43	5.43
<p>Total number of miles of potential anadromous salmonid bearing stream made accessible upstream of the passage impediment. If there is another partial for full barrier upstream, then the length made accessible would be to that next upstream barrier. If there is a barrier downstream, the total length made accessible would be "0." If zero, please explain in your Project Description the number of miles that will be accessible once the downstream barrier is addressed.</p>		
Type Of Barrier (C.2.b.3)		
<p>The type of barrier that was removed or modified to allow or improve salmonid passage.</p>		
	Boulders or rock barriers	Boulders or rock barriers
	Bridge	Bridge
	✓ Culvert	✓ Culvert
	Debris	Debris
	Diversion Dam	Diversion Dam
	Ford	Ford
	Landslide	Landslide
	Logs	Logs
	Push-Up Dam	Push-Up Dam
	Weir	Weir
	Wood Or Concrete Dam	Wood Or Concrete Dam
	None	None
Number of blockages / impediments / barriers impeding passage (C.2.b.4)	1	1
<p>Enter the total number of blockages, impediments, or barriers removed or modified to allow or improve salmonid passage.</p>		
<p>Culvert installed or improved (C.2.f.1)</p>		
<p>Installation or improvement or upgrade (including replacement) of a culvert to a standard that provides juvenile and adult salmonid passage.</p>		
Total cost for Culvert installed or improved	\$131,732	<i>Not Collected at Closure</i>
<p>Enter the cost (to the nearest dollar) of this work type, as close as you can reasonably get it.</p>		
Number of culverts (C.2.f.2)	1	1
<p>Number of culverts installed or improved.</p>		
Miles of stream made accessible by culvert installation/repair (C.2.f.3)	5.43	5.43
<p>Number of miles (to nearest 0.01 mile) of potential anadromous salmonid bearing stream made accessible upstream of the installed or improved culvert.</p>		
<p>Permits</p>		
<p>Project Permitting</p>		
<p>Obtain permits</p>		
Total cost to Obtain permits	\$200	<i>Not Collected at Closure</i>
<p>Enter the cost (to the nearest dollar) of this work type, as close as you can reasonably get it.</p>		
Number of permits required for implementation of project	4	1
<p>Number of Permits required.</p>		
<p>Architectural & Engineering</p>		
<p>Administrative, architectural, and engineering services.</p>		
<p>Architectural & Engineering (A&E)</p>		
<p>Administrative, architectural, and engineering services related to the development/restoration activities.</p>		
Total cost for Architectural & Engineering (A&E)	\$18,400	<i>Not Collected at Closure</i>
<p>Enter the cost (to the nearest dollar) of this work type, as close as you can reasonably get it.</p>		
Did A&E costs exceed billed amount (Yes/No)	<i>Collected at Closure</i>	No
<p>Did you spend more on architectural costs than you billed to RCO.</p>		
Percent architectural & engineering	<i>Collected at Closure</i>	13.95
<p>Of the total development or restoration costs, identify the percentage spent for architectural & engineering - even if not billed to RCO.</p>		

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Overall Metrics

	Current Agreement	Final
Completion Date		
Projected date of completion	10/31/2018	01/15/2021
Estimated date the scope of work will be completed.		

Project Goals

Goals, purpose, and expected benefits (A.17)

Short description of the goals and purpose of the project and how it is expected to benefit salmonids or salmonid habitat.

The goal of this project is to improve access to both upstream and downstream habitat for salmonids in Harris Creek to increase fish populations in this watershed. This will be accomplished by replacing an existing fish passage barrier with a new structure that provides unimpeded passage to both upstream and downstream habitat.

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Restoration Costs

*Final amounts include a pending billing
Date of Last Released Billing 12/26/2019*

	Proposed	Final
Worksite: Collins Fish Barrier (#1)		
SPLIT OUT FINAL TOTAL BELOW	\$150,332.00	\$151,744.00
Fish Passage Costs (C.2.a)	\$131,732	\$135,507
Permits Costs	\$200	\$200
Architectural & Engineering Costs	\$18,400	\$16,037
Difference		\$0

Billed Summary

*Final amounts include a pending billing
Date of Last Released Billing 12/26/2019*

Category	Project Agreement		Totals To Date		
	RCO	Total	Expended	Non Reimbursable	Total Billed
Restoration					
Construction	133,171.15	133,171.18	135,706.66		135,706.66
AA&E	18,572.85	18,572.82	16,037.34		16,037.34
Restoration Total	151,744.00	151,744.00	151,744.00		151,744.00
Total	151,744.00	151,744.00	151,744.00		151,744.00

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Sponsor Match

	Proposed	Final
Project Funding		
PCSRF Federal Funds (A.10)		
State Funds (A.11)	\$151,744.00	\$144,156.80
Pending Billing - RCO Share Approved		\$0.00
Retainage - RCO amount retained		\$7,587.20
Sponsor Match: Monetary Funding		
Amount of other monetary funding (A.12)	\$0	\$0
Source of other monetary funding (A.12.a)	na	na
Sponsor Match: Donated Un-paid Labor (volunteers)		
Value of Donated Unpaid Labor (Volunteers) (A.13.a.2)	\$0	\$0
Source of Donated Un-paid labor contributions (A.13.a.4)	na	na
Number of hours volunteers contributed to the project (A.13.a.1)	<i>Collected at Closure</i>	0
Describe how the value of the volunteers was determined (A.13.a.3)	<i>Collected at Closure</i>	na
Sponsor Match: Donated Paid Labor		
Value of Donated Paid Labor (A.13.b.1)	\$0	\$0
Source of Donated Paid Contributions (A.13.b.2)	na	na
Sponsor Match: Other In-kind Contributions		
Value of Other In-Kind Contributions (A.13.c.1)	\$0	\$0
Source of Other In-Kind Contributions (A.13.c.3)	na	na
Description of other In-Kind contributions (A.13.c.2)	na	na
Amount Total	\$151,744	\$151,744
Total Billed		\$151,744
Difference		\$0

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Attachments

PHOTOS (JPG, GIF)

Photos (JPG, GIF)



413275



413276

PROJECT DOCUMENTS AND PHOTOS

Project Documents and Photos

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Shared
	01/23/2020	Photo	DJI_0662.JPG	JamieG	DJI_0662.jpg, 413276 Final Report, 01/23/2020, Accepted	✓
	01/23/2020	Photo	IMG_5862.jpg	JamieG	IMG_5862.jpg, 413275 Final Report, 01/23/2020, Accepted	✓

Certify & Submit

Status History

Report Status	Date	User	Note
Accepted	01/23/2020	David Caudill	Jamie thanks for the report. I enjoyed seeing this project. We don't get up in that area very often so it is good for me to get out there and see some of the local stream and watersheds. Good project and I'm glad the landowner was happy with it. Dave
Submitted	01/23/2020	Jamie Glasgow	Thanks, Dave. Jamie
Draft	12/02/2019	Jamie Glasgow	

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Property Basics

Acquisition Restoration

Property Location

Property Name	Collins	Property Description	Forestland
Property Address (optional)		Associated Worksite	Collins Fish Barrier (#1)
City	Duvall		
State	WA Zip 98672		

Landowner

Landowner Name Collins, Cathy
Address (optional) 33431 NE Stossel Creek Way
City Duvall
State WA **Zip** 98019
Landowner Type Private

Control and Tenure

Instrument Type Landowner Agreement
Timing Proposed
Term Type Fixed # of years
Yrs 10
Expiration Date 01/22/2031
Note

Parcel Numbers

County Name	Parcel Number	Mapped	Notes (optional)
No parcels			

Recording Numbers

Instrument Type	Recording Number	Notes
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Sponsor Clarification

The above information is correct and complete

RCO Notes

Property data verified by RCO Staff

Property Report: Collins (Worksite #1: Collins Fish Barrier)

Attachments

PHOTOS (JPG, GIF)
Photos (JPG, GIF)

PROJECT DOCUMENTS AND PHOTOS
Project Documents and Photos

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Shared
	01/12/2019	Applicant Resolution/Authorizations	Authorization Resolution COLLINS	DavidC	2019 RCO Authorization Resolution COLLINS.doc, 376043 Property: Collins	✓