
PROJECT: 14-2318 REST, JENSEN - SKOOKUMCHUCK TRIB - R13Sponsor: Wild Fish Conservancy Program: FFFPP Grants Status: Active
Project Start Date: 06/01/2018 Agreement End Date: 01/31/2021

Final Report Status: Accepted 04/06/2021

Description

PROJECT AGREEMENT DESCRIPTION

This partial barrier culvert is on a tributary to the Skookumchuck River near Tenino. Correction of this barrier would improve access to 1.22 miles of stream habitat with large beaver ponds upstream for coho, steelhead and cutthroat trout. There is a partial barrier downstream at the railroad crossing and one culvert upstream which is not really a barrier since the bottom is completely rusted out.

FINAL PROJECT DESCRIPTION

This project addressed a partial barrier culvert on a small unnamed tributary to the Skookumchuck River near Tenino. WFC removed a crushed undersized corrugated culvert and installed a concrete box culvert measuring 15' span x 14' wide (incl. 6" curbs, so 13' driving surface). Correction of this barrier improved access to 1.22 miles of stream habitat with large beaver ponds upstream for coho, steelhead and cutthroat trout.

Narrative

This project went smoothly as planned, despite occurring during a pandemic, with one exception. We ordered the box culvert from Oldcastle, but there were production delays that led to us having to reschedule our contractor (Horsley). When the box was finally delivered, the lifting hardware (clutches) onboard were the wrong size for the pick points installed in the culvert. This set us back several hours, with machines idling. Further, the box culvert abutments - where the bridge lid sits - were not poured level and had to be shimmed. This led to additional change orders with our contractor, most of which we were able to recoup from Oldcastle who, at our request, credited us \$3,128 against the cost of the culvert.

Lesson learned? Check concrete structures carefully, even before they are offloaded. We believe the pick point issue and the poor pour of the box were the result of Oldcastle's schedule causing them to rush the job.

In Oldcastle's defense - 2020 put all of us under unprecedented pressures. And they took responsibility for their mistakes and did not contest our request for credit against the amount owed.

Worksites

Worksite #1: Jensen fish barrier

Worksite Address (Optional)

Street Address Yates Road & 185th

City Tenino

State, Zip WA 98589

Worksite Details

Worksite #1: Jensen fish barrier

Worksite Name Jensen fish barrier

WORKSITE DESCRIPTION

Barrier culvert on private forest road.

Geographic Coordinates

From mapped point: Latitude 46.817482 Longitude -122.867566**For Directions:** Latitude 46.817997 Longitude -122.868176

SITE ACCESS DIRECTIONS

From Tenino go south on SR507, right on 184th, at left turn its Yates road, then at right turn becomes 185th. At this turn is a log across a logging road. Park here and walk south about 100 ft to culvert.

Final Report, Project 14-2318

Properties

| Worksite # | Worksite Name | Property Name | Sponsor Verified | RCO Verified | RCO Verified Map |
|------------|---------------------|----------------|------------------|--------------|------------------|
| 1 | Jensen fish barrier | Darrell Jensen | ✓ | ✓ | N/A |

Restoration Metrics

| | Current Agreement | Final |
|---|--|--|
| Worksite: Jensen fish barrier (#1) | | |
| Targeted salmonid ESU/DPS (A.23) | <input type="checkbox"/> No Salmon ESU or Steelhead DPS <input type="checkbox"/> Chinook Salmon-Washington Coast ESU <input type="checkbox"/> Chinook Salmon-unidentified ESU <input type="checkbox"/> Chum Salmon-Pacific Coast ESU <input type="checkbox"/> Chum Salmon-unidentified ESU <input type="checkbox"/> Coho Salmon-Southwest Washington ESU <input checked="" type="checkbox"/> Coho Salmon-unidentified ESU <input type="checkbox"/> Steelhead-Washington Coast DPS <input checked="" type="checkbox"/> Steelhead/Trout-unidentified DPS | <input type="checkbox"/> No Salmon ESU or Steelhead DPS <input type="checkbox"/> Chinook Salmon-Washington Coast ESU <input type="checkbox"/> Chinook Salmon-unidentified ESU <input type="checkbox"/> Chum Salmon-Pacific Coast ESU <input type="checkbox"/> Chum Salmon-unidentified ESU <input type="checkbox"/> Coho Salmon-Southwest Washington ESU <input checked="" type="checkbox"/> Coho Salmon-unidentified ESU <input type="checkbox"/> Steelhead-Washington Coast DPS <input checked="" type="checkbox"/> Steelhead/Trout-unidentified DPS |
| Targeted species (non-ESU species) | None Unknown Brook Trout Brown Trout Bull Trout <input checked="" type="checkbox"/> Cutthroat Forage Fish Kokanee Lamprey Rainbow <input checked="" type="checkbox"/> Searun Cutthroat | None Unknown Brook Trout Brown Trout Bull Trout <input checked="" type="checkbox"/> Cutthroat Forage Fish Kokanee Lamprey Rainbow <input checked="" type="checkbox"/> Searun Cutthroat |
| Miles of Stream and/or Shoreline Treated or Protected (C.0.b) | 0.01 | 0.01 |
| Project Identified In a Plan or Watershed Assessment (C.0.c) | none | <i>Not Collected at Closure</i> |
| Type Of Monitoring (C.0.d.1) | <input checked="" type="checkbox"/> Implementation Monitoring <input type="checkbox"/> None | <input checked="" type="checkbox"/> Implementation Monitoring <input type="checkbox"/> None |
| Monitoring Location (C.0.d.2) | No monitoring completed Downstream <input checked="" type="checkbox"/> Onsite Upslope Upstream | No monitoring completed Downstream <input checked="" type="checkbox"/> Onsite Upslope Upstream |
| Fish Passage Improvement | | |
| Miles Of Stream Made Accessible (C.2.b.1) | 1.20 | 1.20 |
| Square Miles Of streambed made accessible (C.2.b.2) | 0.4 | 0.4 |

Final Report, Project 14-2318

| | | |
|---------------------------|--|--|
| Type Of Barrier (C.2.b.3) | <input type="checkbox"/> Boulders or rock barriers <input type="checkbox"/> Bridge <input checked="" type="checkbox"/> Culvert <input type="checkbox"/> Debris <input type="checkbox"/> Diversion Dam <input type="checkbox"/> Ford <input type="checkbox"/> Landslide <input type="checkbox"/> Logs <input type="checkbox"/> Push-Up Dam <input type="checkbox"/> Weir <input type="checkbox"/> Wood Or Concrete Dam <input type="checkbox"/> None | <input type="checkbox"/> Boulders or rock barriers <input type="checkbox"/> Bridge <input checked="" type="checkbox"/> Culvert <input type="checkbox"/> Debris <input type="checkbox"/> Diversion Dam <input type="checkbox"/> Ford <input type="checkbox"/> Landslide <input type="checkbox"/> Logs <input type="checkbox"/> Push-Up Dam <input type="checkbox"/> Weir <input type="checkbox"/> Wood Or Concrete Dam <input type="checkbox"/> None |
|---------------------------|--|--|

Number of blockages / impediments / barriers impeding passage (C.2.b.4) 1 1

Culvert installed or improved (C.2.f.1)

Total cost for Culvert installed or improved \$55,711 Not Collected at Closure

Number of culverts (C.2.f.2) 1 1

Miles of stream made accessible by culvert installation/repair (C.2.f.3) 1.20 1.20

Permits

Obtain permits

Total cost to Obtain permits \$1,000 Not Collected at Closure

Number of permits required for implementation of project 1

Architectural & Engineering

Architectural & Engineering (A&E)

Total cost for Architectural & Engineering (A&E) \$16,500 Not Collected at Closure

Did A&E costs exceed billed amount (Yes/No) Collected at Closure No

Percent architectural & engineering Collected at Closure 14.00

Overall Metrics

Current Agreement

Final

Completion Date

Projected date of completion 09/30/2021 1/21/2021

Project Goals

| | | |
|--|--|--|
| Goals, purpose, and expected benefits (A.17) | <p>The goal of this project is to improve access to both upstream and downstream habitat for salmonids in this tributary to Skookumchuck 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.</p> | <p>The goal of this project is to improve access to both upstream and downstream habitat for salmonids in this tributary to Skookumchuck 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.</p> |
|--|--|--|

Final Report, Project 14-2318

Restoration Costs

Final amounts include a pending billing
Date of Last Released Billing 03/12/2021

Proposed

Final

Worksite: Jensen fish barrier (#1)

| | | | |
|-----------------------------------|--|-------------|-------------|
| SPLIT OUT FINAL TOTAL BELOW | | \$73,211.00 | \$95,242.36 |
| Fish Passage Costs (C.2.a) | | \$55,711 | \$80,471 |
| Permits Costs | | \$1,000 | \$1,000 |
| Architectural & Engineering Costs | | \$16,500 | \$13,771 |
| Difference | | | \$0 |

Billed Summary

Final amounts include a pending billing
Date of Last Released Billing 03/12/2021

| Category | Project Agreement | | Totals To Date | | |
|--------------------------|-------------------|------------------|------------------|------------------|------------------|
| | RCO | Total | Expended | Non Reimbursable | Total Billed |
| Restoration | | | | | |
| Construction | 73,365.41 | 77,238.54 | 76,471.10 | 5,000.00 | 81,471.10 |
| AA&E | 21,345.59 | 22,472.46 | 13,771.26 | | 13,771.26 |
| Restoration Total | 94,711.00 | 99,711.00 | 90,242.36 | 5,000.00 | 95,242.36 |
| Total | 94,711.00 | 99,711.00 | 90,242.36 | 5,000.00 | 95,242.36 |

Final Report, Project 14-2318

Sponsor Match

| | Proposed | Final |
|--|-----------------------------------|---|
| Project Funding | | |
| PCSRF Federal Funds (A.10) | | |
| State Funds (A.11) | \$94,711.00 | \$89,573.69 |
| Pending Billing - RCO Share Approved | | \$401.76 |
| Retainage - RCO amount retained | | \$266.91 |
| Sponsor Match: Monetary Funding | | |
| Amount of other monetary funding (A.12) | \$0 | \$0 |
| Source of other monetary funding (A.12.a) | N/A | N/A |
| 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) | N/A | N/A |
| Number of hours volunteers contributed to the project (A.13.a.1) | Collected at Closure | 0 |
| Describe how the value of the volunteers was determined (A.13.a.3) | Collected at Closure | N/A |
| 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) | N/A | N/A |
| Sponsor Match: Other In-kind Contributions | | |
| Value of Other In-Kind Contributions (A.13.c.1) | \$5,000 | \$5,000 |
| Source of Other In-Kind Contributions (A.13.c.3) | Kevin Jensen, landowner | Kevin Jensen, landowner |
| Description of other In-Kind contributions (A.13.c.2) | TBD - equipment and/or materials. | \$4200 cash, \$800 donated labor / construction oversight, and port-a-pot rental. |
| Amount Total | \$99,711 | \$95,242 |
| Total Billed | | \$95,242 |
| Difference | | \$0 |

Final Report, Project 14-2318

Attachments

PHOTOS (JPG, GIF)

Photos (JPG, GIF)



461457 # 461458 # 461459 # 461460 # 461461

PROJECT DOCUMENTS AND PHOTOS

Project Documents and Photos

| File Type | Attach Date | Attachment Type | Title | Person | File Name, Number Associations | Shared |
|-----------|-------------|------------------------|--|--------|--|--------|
| | 01/28/2021 | Visuals | Jensen Virtual Site Visit.pdf | JamieG | Jensen Virtual Site Visit.pdf, 461464 Final Report, 04/06/2021, Accepted | ✓ |
| | 01/28/2021 | Project plan document | Jensen Culvert Replacement Joint Letter 200928.pdf | JamieG | Jensen Culvert Replacement Joint Letter 200928.pdf, 461463 Final Report, 04/06/2021, Accepted | ✓ |
| | 01/28/2021 | Engineer cost estimate | Additional expenses_Jensen.pdf | JamieG | Additional expenses_Jensen.pdf, 461462 Final Report, 04/06/2021, Accepted | ✓ |
| | 01/28/2021 | Photo | bridge deck steel shims.JPG | JamieG | bridge deck steel shims.jpg, 461461 Final Report, 04/06/2021, Accepted | ✓ |
| | 01/28/2021 | Photo | IMG_7183.jpg | JamieG | IMG_7183.jpg, 461460 Final Report, 04/06/2021, Accepted | ✓ |
| | 01/28/2021 | Photo | IMG_7177.jpg | JamieG | IMG_7177.jpg, 461459 Final Report, 04/06/2021, Accepted | ✓ |
| | 01/28/2021 | Photo | IMG_7163.jpg | JamieG | IMG_7163.jpg, 461458 Final Report, 04/06/2021, Accepted | ✓ |
| | 01/28/2021 | Photo | IMG_2518 (1).JPG | JamieG | IMG_2518 (1).jpg, 461457 Final Report, 04/06/2021, Accepted | ✓ |
| | 01/28/2021 | Landowner agreement | Landowner Agreement_Jensen.pdf | JamieG | Landowner Agreement_Jensen.pdf, 461456 Final Report, 04/06/2021, Accepted | |
| | 01/28/2021 | Final design | Jensen 08 Revd 05-20-20.pdf | JamieG | Jensen 08 Revd 05-20-20.pdf, 461455 Final Report, 04/06/2021, Accepted | ✓ |
| | 01/28/2021 | Final design | Jensen Culvert Replacement Dwgs Stamped 200701 (2).pdf | JamieG | Jensen Culvert Replacement Dwgs Stamped 200701 (2).pdf, 461454 Final Report, 04/06/2021, Accepted | ✓ |

Certify & Submit

Status History

| Report Status | Date | User | Note |
|---------------|------------|---------------|---|
| Accepted | 04/06/2021 | David Caudill | Thanks for the report Tina and everyone for a nice little project. Dave |
| Submitted | 03/23/2021 | Tina Green | |
| Draft | 01/28/2021 | Jamie Glasgow | |

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Sponsor: [Wild Fish Conservancy](#) Program: FFFPP Grants Status: Active
Project Start Date: 06/01/2018 Agreement End Date: 01/31/2021

Property Basics

Acquisition ☐ Restoration ☒

Property Location

Property Name Darrell Jensen

Property Description Private forestland

Property Address
(optional)

Associated Worksite Jensen fish barrier (#1)

City

State Zip

Landowner

Landowner Name DarrellJensen

Address
(optional) 2840 184 SE

City Tenino

State WA Zip WA

Landowner Type Private

Control and Tenure

Instrument Type Landowner Agreement

Timing Proposed

Term Type Fixed # of years

Yrs 10

Expiration Date 04/06/2031

Note

Parcel Numbers

| County Name | Parcel Number | Mapped | Notes (optional) |
|-------------|---------------|--------|------------------|
| No parcels | | | |

Recording Numbers

| Instrument Type | Recording Number | Notes |
|-----------------|------------------|-------|
| No recordings | | |

Sponsor Clarification

☒ The above information is correct and complete

RCO Notes

☒ Property data verified by RCO Staff

Property Report: Darrell Jensen (Worksite #1: Jensen 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 |
|--------------------------------------|-------------|-----------------|-------|--------|--------------------------------|--------|
| No attachments match filter criteria | | | | | | |