

## Kristoferson Creek Fish Passage Improvements

### Project Details

**Project Status:** Active since 03/24/2016  
**Planned Completion:** 09/30/2018  
*This project is in progress. Project scope, activities, and dollars may change.*

**Project Type:** Restoration  
**Project Sponsor:** Snohomish Conservation District  
**Funding Board:** Salmon Recovery Funding Board

#### Funding

Puget Sound Acq. & Restoration:	\$51,621
Salmon State Projects:	\$168,379
<b>Total RCO Grant:</b>	<b>\$220,000 (72%)</b>
Sponsor Match:	\$85,000 (28%)
<b>Total Agreement:</b>	<b>\$305,000 (100%)</b>

#### RCO Grant Status

<b>Total RCO Grant:</b>	\$220,000.00
<b>Paid To Date:</b>	\$0.00 (0%)
<b>Grant Balance:</b>	\$220,000.00 (100%)

#### Links

Original Project Agreement  
Progress Report: 8/8/2016  
Attachments: 25 files

### Project Description

This fish passage restoration project will result in improved fish passage by removing two partial barriers to fish passage along Kristoferson Creek where it crosses Barnum Road and Russell Road. These crossings are located on the first 500 feet of Kristoferson Creek where the creek flows into Triangle Cove. The existing crossing at Barnum Road consists of four undersized round concrete culverts that lay side by side and are installed at uneven elevations. The Russell Road crossing consists of a single four foot round steel pipe. This project will build on a feasibility study conducted in 2008 by Adopt-a-Stream Foundation assessing crossings and fish passage improvement opportunities on Kristoferson Creek. By replacing the barriers, the project will improve fish passage for endangered Chinook salmon and steelhead. The 2013 "Juvenile Chinook Salmon Rearing in Small Non-Natal Streams Draining Into The Whidbey Basin" (Beamer et al) documented lower Kristoferson Creek as providing non-natal rearing habitat for endangered Chinook salmon (fry migrant Chinook); the report also documented other species use for rearing including chum, coho (species of concern), steelhead (threatened), and cutthroat trout. These barriers are the first barriers on Kristoferson Creek and are the highest priority barriers within the sub-basin for providing access for juvenile fry migrant Chinook salmon.

The project is located on Camano Island and is publicly owned. Grant funding is needed to design, permit, and construct the two improved crossings.

### Project Contacts

**Project Sponsor:** Snohomish Conservation District

**Project Contact:** Kristin Marshall  
kristin@snohomishcd.org  
(425) 335-5634 Ext 7017

**Lead Entity:** Island County Lead Entity

**Funding Agency:** Recreation and Conservation Office

**Project Manager:** Marc Duboiski  
marc.duboiski@rco.wa.gov  
(360) 902-3137

### Project Location

**General Area:** Camano Island  
**County:** Island

**Legislative Districts 2012:** 10

**Congressional Districts 2012:** 02

**Salmon Recovery Regions:** Puget Sound

**DNR Watershed Units (WAU):** CAMANO IS

**4th Field Catalog Units (HUC):** KITSAP

**WRIA:** Island

**Sections:** 06

**Township:** T31NR03E

**Coordinates:** 48.20597843  
-122.47616045

# Worksites

Worksite Name	Scope of Work	Proposed Restoration
		Cost
Kristoferson Creek at Barnum Rd (#1)	Architectural & Engineering (A&E), Cultural resources, Culvert installed or improved (C.2.f.1), Obtain permits	\$179,379
Kristoferson Creek at Russell Rd (#2)	Culvert installed or improved (C.2.f.1)	\$125,621
<b>Total</b>		<b>\$305,000</b>

Amounts may not be comparable

# Properties

Worksite Name	Property Name	Landowner Type
Kristoferson Creek at Barnum Rd (#1)	Property 1 - Island Co Public Works - Barnum Rd	Local Government
Kristoferson Creek at Russell Rd (#2)	Property 2 - Island Co Public Works - Russell Rd	Local Government
<b>Total</b>		

Amounts may not be comparable

# Project Metrics (Outcomes, Benefits)

Category / Work Type / Metric

Proposed

## Restoration Metrics (rolled up from Worksite level)

Permits	
<b>Obtain permits</b>	
Number of permits required for implementation of project	6
<b>Fish Passage Improvement</b>	
<b>Culvert installed or improved (C.2.f.1)</b>	
Miles of stream made accessible by culvert installation/repair (C.2.f.3)	1.30
Number of culverts (C.2.f.2)	1
Number of blockages / impediments / barriers impeding passage (C.2.b.4)	1

# Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Shoreline Permit				
Hydraulics Project Approval [HPA]				
Clear & Grade Permit				
Archeological & Cultural Resources (EO 05-05)				
Dredge/Fill Permit [Section 10/404 or 404]				

# Project Milestones

Milestone Name	Target Date	Description
Project Start	12/09/2015	
Landowner Agreement to RCO	04/15/2016	
Progress Report Submitted	07/15/2016	
Preliminary Design to RCO	07/29/2016	
Applied for Permits	09/01/2016	
Annual Project Billing	11/30/2016	
Progress Report Submitted	01/15/2017	
Final Design to RCO	03/31/2017	
Cultural Resources Complete	04/15/2017	
Permits Complete	04/15/2017	
Bid Awarded/Contractor Hired	05/15/2017	
Restoration Started	07/15/2017	
Progress Report Submitted	07/15/2017	
Annual Project Billing	07/31/2017	
Funding Acknowl Sign Posted	10/15/2017	
Progress Report Submitted	01/15/2018	
Restoration Complete	03/31/2018	
RCO Final Inspection	04/01/2018	
Progress Report Submitted	07/15/2018	
Annual Project Billing	07/31/2018	
Agreement End Date	09/30/2018	
Final Report in PRISM	12/31/2018	
Final Billing to RCO	12/31/2018	

NOTE: This data is subject to change.

## Project Attachments

Attachment Type	Attachment Title	Attach Date
Agreement - State	15-1050 Project Agreement.pdf	03/24/2016
Application Review Report	Application Review Report, 15-1050R(compl 08/26/15 14:04:16).pdf	08/26/2015
Authorizing Resolution/Application Authorization	Kristoferson Application Authorization.pdf	02/10/2016
Cost Estimate	revised cost estimate for worksites 1 and 2 - 15-1050.xls	06/01/2015
Cost Estimate	cost estimate for worksites 1 and 2_preferred alternatives -.xls	03/18/2015
Design document	Preliminary Design Report Kristoferson Creek Fish Passage.pdf	08/04/2016
Design document	Draft preliminary design drawings 06-2016.pdf	08/04/2016
Design document	KristofersonCreek_concept designs worksites 1 and 2.pdf	03/18/2015
Map: Restoration Worksite	KristofersonVicinityMap.pdf	03/10/2014
Photo	Kristoferson Creek at Russell Rd - upstream of crossing.jpg	03/19/2015
Photo	Kristoferson Creek at Russell Rd - culvert inlet.jpg	03/19/2015
Photo	Kristoferson Creek at Russell Rd - culvet inlet.jpg	03/19/2015
Photo	Kristoferson Creek culverts at mouth 3.jpg	03/10/2014
Photo	Kristoferson Creek culverts at mouth 2.jpg	03/10/2014
Photo	Kristoferson Creek culverts at mouth 1.jpg	03/10/2014
Progress report	Progress Report 08/08/2016.pdf	08/08/2016
Project Application Report	Application Report, 15-1050R (submitted 08/14/15 19:37:16).pdf	08/14/2015
Salmon Project Proposal	Appendix_C_RestAcqCombProposal_15-1050 Kristoferson Creek_fi.docx	06/01/2015
Salmon Project Proposal	Appendix_C_RestAcqCombProposal_SCD_14-1074_final.doc	03/18/2015
SRFB Review Panel Comment Form	Final SRFB Review Panel Comment Form.pdf	11/17/2015
Visuals	Outreach mailer to landowners.pdf	06/11/2014
Visuals	Whidbey Basin Small Streams Final.pdf	06/11/2014
Visuals	AASF_CulvertAssessment-KCrk_2007.doc	06/11/2014
WDFW barrier & screening forms	BarrierEvaluation_revisedMay2014.pdf	06/11/2014
WDFW barrier & screening forms	CorrectionAnalysis_revisedMay2014.pdf	06/11/2014

Date of last change: 12/16/2016