

Project #18-1366, Crescent Harbor Creek Restoration

Current Status: Application Submitted

Project Details

Primary Sponsor: Skagit River System Cooperative
Primary Contact: Steve Hinton
(360) 391-1354
shinton@skagitcoop.org
Funding Program: Salmon State Projects
Project Type: Restoration
Lead Entity: Island County Lead Entity

Project Description

Complete final design and permitting leading to construction for restoration of 1,400 feet of Crescent Harbor Creek between Crescent Harbor Road and the estuary. The restoration will reestablish meanders, pools and other stream complexity that was lost when the stream was ditched and straightened decades ago. The restoration will reconnect the channel downstream of Crescent Harbor Road to the adjacent floodplain, and will add more than 400 feet of length to the current ditched 1,000 foot channel by returning the channel to its historic alignment. A roughened channel approximately 40ft long will be utilized downstream to the culvert under Crescent Harbor Road to prevent scour erosion at high velocities and enable fish passage upstream.

Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer
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Completion Date

Projected date of completion	12/31/2020
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Sponsor Match: Monetary Funding

Amount of other monetary funding (A.12)	\$0.00
Source of other monetary funding (A.12.a)	N/A
Timing of other monetary funding	N/A

Sponsor Match: Donated Un-paid Labor (volunteers)

Value of Donated Unpaid Labor (Volunteers) (A.13.a.2)	\$0.00
Source of Donated Un-paid labor contributions (A.13.a.4)	N/A

Sponsor Match: Donated Paid Labor

Value of Donated Paid Labor (A.13.b.1)	\$67,000.00
Source of Donated Paid Contributions (A.13.b.2)	US Navy

Sponsor Match: Other In-kind Contributions

Value of Other In-Kind Contributions (A.13.c.1)	\$0.00
Source of Other In-Kind Contributions (A.13.c.3)	N/A
Description of other In-Kind contributions (A.13.c.2)	N/A

Project Funding

Funding Request		Funding %	Min Match Required	Sponsor Match Source	
Salmon State Projects (FY2019)	\$378,583	84.96 %		Donated Labor	\$67,000
Sponsor Match	\$67,000	15.04 %	15%		
Total Project Funding	\$445,583	100.00 %			

Project Cost Summary

RESTORATION COSTS

		Project %	Admin/A&E %	Maximum for Selected Program
Restoration	\$384,583			
A&E	\$61,000		20.20 %	\$90,600 (30%)
Subtotal	\$445,583	81.47 %		
Total Cost Estimate	\$445,583	81.47 %		

Worksites and Properties

County: Island

Legislative Districts 2012: 10

Congressional Districts 2012: 02

Salmon Recovery Regions: Puget Sound

DNR Watershed Units (WAU): WHIDBEY IS

4th Field Catalog Units (HUC): KITSAP

WRIA: Island
Sections: 36
Township: T33NR01E
Coordinates: 48.30639741
-122.62005048

Worksite #1: Lower Crescent Harbor Creek

Coordinates from Mapped Point:	Latitude: 48.30639741	Longitude: -122.62005048
Coordinates from Worksite	Latitude: 48.307511	Longitude: -122.619351
Directions:		

Worksite Description: The lower Crescent Harbor Creek worksite is located on Naval Air Station Whidbey Island, and is owned by the United States Navy. The site consists of a diked and straightened stream channel that is bordered by pastureland to the west and riparian scrub-shrub habitat to the east. The stream provides freshwater inputs to the Crescent Harbor Salt Marsh, a 206 acre pocket estuary restoration site. We are proposing to restore the creek to it's historic alignment to improve floodplain connectivity and fish access.

Site Access Directions: From SR20 heading south toward Oak Harbor, take a slight left on NE Regatta Road, and then another slight left onto Torpedo Road after a short distance. At the stop sign, turn left onto W Crescent Harbor Road. After about 0.5 miles, cross Crescent Harbor Creek and turn into the gravel parking lot on the right. Note that Navy permission is required to access this site.

Worksite Address:

Restoration Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer	Work Type Costs
Targeted salmonid ESU/DPS (A.23)	Chinook Salmon-Puget Sound ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU	
Targeted species (non-ESU species)	Cutthroat	
Miles of Stream and/or Shoreline Treated or Protected (C.0.b)	0.28	
Project Identified In a Plan or Watershed Assessment (C.0.c)	EDAW, PWA, and cbec. 2008. Naval Air Station Whidbey Island P-8A Multi-Mission Aircraft Introduction: Wetland Mitigation Feasibility Report. Sacramento, CA.	
Priority in Recovery Plan	Feasibility study for wetland and stream channel habitat restoration as part of a mitigation feasibility study for a Navy airfield expansion project. The lower Crescent Harbor Creek project is no longer required as a mitigation site. Even so, the Navy remains interested in pursuing restoration at the site, and the mitigation feasibility study represents a solid basis on which to develop a restoration design.	
Type Of Monitoring (C.0.d.1)	Implementation Monitoring	
Monitoring Location (C.0.d.2)	Onsite	
Instream Habitat Project		
Total Miles Of Instream Habitat Treated (C.4.b)	0.30	
Channel reconfiguration and connectivity (C.4.c.1)		
Total cost for Channel reconfiguration and connectivity		\$219,480.00
Type of change to channel configuration and connectivity (C.4.c.2)	Channel Bed Restored, Creation of Instream Pools, Creation/Connection to Off-Channel Habitat, Meanders Added	
Miles of Stream Treated for channel reconfiguration and connectivity (C.4.c.3)	0.30	
Miles of Off-Channel Stream Created or Connected (C.4.c.4)	0.30	
Acres Of Channel/Off-Channel Connected Or Added (C.4.c.5)	1.3	
Instream Pools Created/Added (C.4.c.6)	13	
Channel structure placement (C.4.d.1)		
Total cost for Channel structure placement		\$13,320.00
Material Used For Channel Structure (C.4.d.2)	Individual Logs (Unanchored), Stumps With Roots Attached (Rootwads), Weirs	
Miles of Stream Treated for channel structure placement (C.4.d.3)	0.30	
Pools Created through channel structure placement (C.4.d.5)	13	
Number of structures placed in channel (C.4.d.7)	74	
Spawning gravel placement (C.4.f.1)		
Total cost for Spawning gravel placement		\$31,200.00
Miles of Stream Treated with spawning gravel placement (C.4.f.2)	0.30	
Cubic Yards of spawning gravel placed (C.4.f.3)	578	
Riparian Habitat Project		
Total Riparian Miles Streambank Treated (C.5.b.1)	0.60	
Total Riparian Acres Treated (C.5.b.2)	2.0	
Planting (C.5.c.1)		
Total cost for Planting		\$3,000.00
Species Of Plants planted in riparian (C.5.c.2)	Alnus rubra Salix lucida Cornus sericea Rosa nutkana Salix sitchensis	
Acres Planted in riparian (C.5.c.3)	1.0	
Miles of streambank planted (C.5.c.4)	0.60	

Cultural Resources**Cultural resources**

Total cost for Cultural resources		\$5,000.00
Acres surveyed for cultural resources	2.00	

Permits**Obtain permits**

Total cost to Obtain permits		\$30,000.00
Number of permits required for implementation of project		

Architectural & Engineering**Architectural & Engineering (A&E)**

Total cost for Architectural & Engineering (A&E)		\$61,000.00
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Agency Indirect Costs**Agency Indirect**

Total cost for Agency Indirect		\$82,583.00
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Restoration Questions

- 1 of 6 Cultural Resources: Has the worksite been investigated for historical, archeological, or cultural resources? If yes, when did this occur and what agencies and tribes were consulted? Attach related documents (letters, surveys, agreements, etc.) to your project in PRISM.**
No, It is anticipated that a cultural resources survey will be conducted during the process securing project permits.
- 2 of 6 Cultural Resources: What is the current land use of the site? Has there been ground disturbances historically, if so, what are/were those disturbances? Is there any fill where ground disturbance is proposed? If known, how deep is the fill? The answer to this question will be used in cultural resource consultation so please provide detailed information.**
The site is currently shrub/scrub wetland that is used for waterfowl and bird hunting by Navy personnel. Previously, the site is known to have been disturbed for agricultural purposes (diking, ditching, etc).
- 3 of 6 Is the worksite(s) located within an existing park, wildlife refuge, natural area preserve, or other recreation or habitat site? If yes, name the area and specify if the land is owned by local, state or federal government.**
No, The site is on US Navy property.
- 4 of 6 Cultural Resources: Describe any proposed ground disturbing activities that will take place as part of your project. This includes work conducted by hand or mechanized tools. Provide specific information including length, width, and depth of the ground disturbance. Ground disturbing work includes all restoration activities, geotech, fencing, demolition, etc. Avoid subjective phrases such as "ground disturbing activities will be minor".**
[1] Clearing and grubbing along channel alignment [2] channel excavation (~1400LF to approx 6' BGS [3] log installation (excavate, place log, backfill at up to 76 sites within the excavated channel footprint).
- 5 of 6 Give street address for this worksite if available.**
No address is avail. Lat: 48.307511 Long: -122.619351
- 6 of 6 Cultural Resources: Are there any structures existing on the property (including tidegates, dikes, residential structures, bridges, rail grades, etc.)? If so, please list all existing structures. Indicate if any of these structures will be altered or demolished as a result of the project, and provide the following for each structure that could be altered or demolished: identifying name, year constructed, year(s) remodeled/renovated. Attach at least one photo of each altered structure.**
Yes, There is a E-W oriented dike crossing the historic channel alignment roughly 800' downstream of the Crescent Harbor Road culvert. The proposed channel will be routed to the east of this dike to preserve the wetland habitat that has formed upstream of it.

Property for Lower Crescent Harbor Creek Worksite #1: P43358

Activity: Restoration

Landowner

United States Navy
3730 North Charles Porter Avenue
Oak Harbor, WA 98278-5000

Control and Tenure

Instrument Type: Landowner Agreement
Purchase Type:
Term Length: Perpetuity
Expiration Date:
Note:

Landowner Type: Federal Government

Overall Project Questions

- 1 of 6 Is any part of the scope of work included in this application required as mitigation for another project or action? E.g. FERC relicensing, Habitat Conservation Plan, legal settlement, etc. If yes, explain:**
No, This project was originally part of a US Navy mitigation plan for a proposed airfield expansion, but is no longer required for mitigation purposes.
- 2 of 6 Do you need state SRFB dollars (not Federal) to match the requirements of any other federal funding you will be using to complete this project. If Yes, please state the amount of state dollars needed out of your total request.**
Yes, \$378,619
- 3 of 6 Is the project on State Owned Aquatic Lands? Please contact the Washington State Department of Natural Resources to make a determination. (www.dnr.wa.gov/Publications/aqr_land_manager_map.pdf)**
No

- 4 of 6

Does your project address or accommodate the anticipated effects of climate change? If yes or maybe, please describe how.

Yes, This project, by lengthing the channel and providing pool/riffle habitat with instream structure, is anticipated to provide more opportunities for low-velocity refuges during expected higher peak flow events.
- 5 of 6

Is your project located in the Puget Sound or Hood Canal region? If yes, is your project referenced in the Puget Sound Action Agenda?

Yes, Yes. Project ID 2016-0055
- 6 of 6

Will veterans (including the veterans conservation corps) be involved in the project? If yes, please describe.

No, Specific plans have not been made at this point, but opportunities may exist to involve veteran and other groups for project activities such as planting

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Cultural Assessment [Section 106]				
Hydraulics Project Approval [HPA]				
Nationwide Permit				
NEPA				
Water Quality Certification [Section 401]				

Permit Questions

1 of 2

Will this project require a federal permit? If this project requires a federal permit, will the scope of that permit cover ALL proposed ground disturbing activities included in this project? You may need to request a pre-application meeting with the permitting agency to answer this question.

Yes, Yes, the scope of the permit will cover all proposed ground disturbing activities.

2 of 2

Are you planning on using the federal permit streamlining process (Limit 8, www.rco.wa.gov/documents/fact_sheets/Permit_Streamlining_fact_sheet.pdf)?

Yes, We will use the Limit 8 process for this project

Project Attachments

Attachment Type	Title	Attach Date
Applicant	2018 RCO Submisson Resolution.pdf.pdf	08/09/2018
Resolution/Authorizations		
Cost Estimate	SRFB_Cost_Estimate- Crescent Harbor Creek Restoration 060818.xlsx	06/08/2018
Cost Estimate	Crescent Harbor Creek Permitting and Construction Draft Budg.xlsx	04/09/2018
Design document	Preliminary Design Drawings - 6/23/16.pdf	04/09/2018
Design document	Preliminary Design Report - March 2018.pdf	04/09/2018
Historical - Restoration Documents	Navy Feasibility (Excerpt).pdf	06/07/2018
Letters of Support	NASWI CO Support Letter.PDF.pdf	04/09/2018
Map: Restoration Worksite	Crescent Creek Site Map.pdf	04/09/2018
Map: Restoration Worksite	Crescent Creek Locator Map.PDF.pdf	04/09/2018
Monitoring activity	Crescent Harbor Fish Monitoring 2011-2015.pdf	04/19/2018
Photo	Crescent Harbor Creek Historic Alignment.JPG.jpg	04/09/2018
Photo	Crescent Harbor Creek Culvert.JPG.jpg	04/09/2018
Photo	Crescent Harbor Creek Diked Reach 2.JPG.jpg	04/09/2018
Photo	Crescent Harbor Creek Current Mouth 2.JPG.jpg	04/09/2018
Photo	Crescent Harbor Creek Historic Mouth 1.JPG.jpg	04/09/2018
Photo	Crescent Harbor Creek Diked Reach 1.JPG.jpg	04/09/2018
Salmon Project Proposal	C3-RestAcqComb- Crescent Harbor Creek_with comments 060718.d.docx	06/08/2018
Salmon Project Proposal	C3-RestAcqComb- Crescent Harbor Creek_final.docx.docx	04/09/2018

Application Status

Application Due Date: 08/09/2018

Status	Status Date	Name	Notes
Application Submitted	08/09/2018	Eric Mickelson	
Preapplication	03/05/2018		

I certify that to the best of my knowledge, the information in this application is true and correct. Further, all application requirements due on the application due date have been fully completed to the best of my ability. I understand that if this application is found to be incomplete, it will be rejected by RCO. I understand that I may be required to submit additional documents before evaluation or approval of this project and I agree to provide them. (Eric Mickelson, 08/09/2018)