

Project #13-1112, Crescent Harbor Creek Restoration Design & Permit

Current Status: Application Submitted

Project Details

Primary Sponsor: Skagit River System Cooperative

Primary Contact: Steve Hinton
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Funding Program: Puget Sound Acq. & Restoration

Project Type: Planning

Lead Entity: Island County Lead Entity

Project Description

We propose to use SRFB funds to develop a preliminary restoration design and acquire construction permits for lower Crescent Harbor Creek, a tributary to the Crescent Harbor Salt Marsh restoration site on northern Whidbey Island. The project is intended to restore the historic floodplain alignment, reduce stream velocity to increase fish access and improve water quality, and restore native wetland hydrology in lower Crescent Harbor Creek. Goals for the project are to: 1. Sustainably restore natural stream and floodplain processes, conditions, functions, and biological responses. 2. Restore riparian and scrub-shrub wetland habitats. 3. Restore non-natal stream channel rearing capacity and freshwater nearshore inputs for ESA-listed juvenile Chinook salmon during the early phases of their oceanward migration. 4. Restore channel spawning habitat capacity for adult coho salmon. 5. Restore estuarine and wetland habitat conditions for other native fish and wildlife species. 6. Improve water quality conditions within lower Crescent Harbor Creek and the Crescent Harbor Salt Marsh, a 206 acre SRFB- and ESRP-funded estuary restoration site located at the mouth of Crescent Creek. Matching funds, in the form of staff time for design review and for securing the permits necessary for project construction, will be provided by the US Navy.

Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric

Application Answer

Completion Date

Projected date of completion 6/1/2015

Sponsor Match: Monetary Funding

Amount of other monetary funding \$0.00
Project identifier for the other monetary funding N/A
Source of other monetary funding N/A

Sponsor Match: Donated Un-paid Labor (volunteers)

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

Sponsor Match: Donated Paid Labor

Value of Donated Paid Labor \$0.00
Source of Donated Paid Contributions N/A

Sponsor Match: Other In-kind Contributions

Value of Other In-Kind Contributions \$23,500.00
Source of Other In-Kind Contributions United States Navy
Description of other In-Kind contributions Design Review; Permit Preparation

Project Funding

Funding Request		Funding %	Sponsor Match Source	
Puget Sound Acq. & Restoration	\$184,275	88.69 %	Donated Labor	\$23,500
Sponsor Match	\$23,500	11.31 %		
Total Project Funding	\$207,775	100.00 %		
Project Cost Summary		Project %	Admin/A&E %	Maximum for Selected Program
PLANNING COSTS				
Planning	\$207,775			
A&E	\$0		0.00 %	\$62,333 (30%)
Subtotal	\$207,775	100.00 %		
Total Cost Estimate	\$207,775	100.00 %		

Worksites and Properties

County: Island

Legislative Districts 2002: 10

Legislative Districts 2012: 10

Congressional Districts 2002: 02
 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: 48.30638541
 -122.61998748

Worksite #1: Lower Crescent Harbor Creek Property

Coordinates from Mapped Point:	Latitude: 48.30638541	Longitude: -122.61998748
Coordinates from Worksite	Latitude: 48.307685	Longitude: -122.618773
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 wetland and pastureland to the east. The overall restoration project will involve restoring the stream to its historic channel alignment, floodplain regrading, and native vegetation planting. For the design and permitting work proposed as part of this application, work on the site will involve topographic, geotechnical, utility, cultural resource, and vegetation surveys.

Site Access Directions: From I-5 at Burlington, travel east on SR20 towards Anacortes. After 11.8 miles, turn left (south) to stay on SR20 towards Oak Habor. After about 15 miles, just before reaching Oak Harbor, veer slightly onto NE Regatta Way. After 0.3 miles, veer left again onto Torpedo Road. After 0.4 miles, turn left onto W Crescent Harbor Road. Look for a dirt driveway and parking area on the right after about 0.5 miles.

Worksite Address:

Planning Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer	Work Type Costs
Targeted salmonid ESU/DPS	Chinook Salmon-Puget Sound ESU, Chinook Salmon-identified ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU, Coho Salmon-identified ESU	
Targeted species (non-ESU species)	Searun Cutthroat	
Area Encompassed (acres)		30.0
Miles of Stream Affected		0.28

Design for Salmon restoration

Preliminary design		
Total cost for Preliminary design		\$192,775.00
Name of Plan	EDAW, PWA, and cbec. 2008. Naval Air Station Whidbey Island P-8A Multi-Mission Aircraft Introduction: Wetland Mitigation Feasibility Report. Sacramento, CA.	
Description of 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 mtigation feasibility study represents a solid basis on which to develop a preliminary restoration design.	

Cultural Resources

Cultural resources		
Total cost for Cultural resources		\$15,000.00
Acres surveyed for cultural resources	30.00	

Planning Questions

- 1 of 3
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. A cultural resource survey is anticipated during the permitting phase of the project.
- 2 of 3
What is the current land use of the site, and its history?
Crescent Harbor Creek is a small stream located on Whidbey Island just north of Crescent Harbor, on Naval Air Station Whidbey Island (NASWI). The stream runs adjacent to former pastureland now owned by the U. S. Navy, and drains into the northwestern edge of the Crescent Harbor Salt Marsh, a 206 acre tidal channel wetland that was the site of a large SRFB- and ESRP-funded restoration project that was completed in 2009. Monitoring of the restoration project has included the lower 1,200 LF of Crescent Harbor Creek, documenting usage of stream channel habitat by juvenile Chinook and coho salmon, as well as by other native fish species. The stream channel in this reach has been diked and diverted from its historic alignment into an incised ditch, reducing channel length and increasing flow velocity. The deeply incised ditched channel is much lower in elevation than the historic channel thalweg, and groundwater monitoring wells on the site have indicated that the diked stream is altering the hydrology of adjacent forested and scrub-shrub wetlands. Additionally, the creek is a 303d listed waterway for fecal coliform and dissolved oxygen.
- 3 of 3
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 not located within an existing habitat site, but is located immediately adjacent to the Crescent Harbor Salt Marsh restoration site.

Property for Lower Crescent Harbor Creek Property Worksite #1: P43358

Activity: Planning

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

Control and Tenure
Instrument Type:
Purchase Type:
Term Length: Fixed # of years
Expiration Date:
Note:

Landowner Type: Federal Government

Overall Project Questions

- 1 of 5

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.

No
- 2 of 5

Describe any ground disturbing work that will be necessary as part of the design process, such as geotech work. Include anticipated number of test sites, depth of disturbance, location, etc.

Geotech and cultural resource surveys are planned, and will both involve ground disturbing activities. The number, location, and depth of disturbance sites will be selected based upon input from qualified getotechnical and archaeological consultants, but will be centered along the existing and current stream channel alignment.
- 3 of 5

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 5

For grants listed in the Sponsor Match Category section on the Funding Request tab, list the grant source(s), when the funds were (or will be) secured, and how long the grant funds will be available to this project.

No grants will be used as match for this project.
- 5 of 5

Describe the type and timing of donated labor (skilled and unskilled), donated equipment, and donated materials that will be used for this project, identified in the Sponsor Match Category section on the Funding Request tab.

Staff from Naval Air Station Whidbey Island will assist with permit preparation and project review, following data collection and development of alternatives.

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
None - No permits Required				

Project Attachments

Required Attachments	5 out of 5 done
Cost Estimate	<input checked="" type="checkbox"/>
Landowner acknowledgement form	<input checked="" type="checkbox"/>
Photo	<input checked="" type="checkbox"/>
Planning Area Map	<input checked="" type="checkbox"/>
Salmon Project Proposal	<input checked="" type="checkbox"/>

Photos

Attachment Type	Title	Attach Date	Worksite/Property
Assessment report	Extract from Navy Mitigation Feasibility Report.pdf	06/05/2013	
Cost Estimate	Revised Cost Estimate.xlsx	06/05/2013	
Cost Estimate	Crescent Harbor Creek Cost Estimate.xlsx	03/26/2013	
Map	Crescent Creek Locator Map.pdf	03/26/2013	
Memos and correspondence	Site Visit,Crescent Harbor Creek Rest. Design &Permit13-1112.pdf	04/01/2013	
Memos and correspondence	NASWI CO Support Letter.pdf	03/26/2013	
Photo	Crescent Harbor Creek Current Mouth 2.jpg	03/26/2013	
Photo	Crescent Harbor Creek Historic Mouth 1.jpg	03/26/2013	
Photo	Crescent Harbor Creek Diked Reach 2.jpg	03/26/2013	
Photo	Crescent Harbor Creek Culvert.jpg	03/26/2013	
Photo	Crescent Harbor Creek Historic Alignment.jpg	03/26/2013	
Photo	Crescent Harbor Creek Diked Reach 1.jpg	03/26/2013	
Planning Area Map	Crescent Creek Site Map.pdf	03/26/2013	
Project Support Documents	Appendix_G1_Response_Early_Review.doc	06/24/2013	
Project Support Documents	Responses to Reviewer Comments-	06/05/2013	

Salmon Project Proposal	Crescent Harbor Creek.docx	06/05/2013
Salmon Project Proposal	Revised Project Proposal.doc	03/26/2013
Salmon Project Proposal	Project Proposal.pdf	

Application Status

Application Due Date: 08/31/2013

Status	Status Date	Name	Notes
Application Submitted	08/16/2013	Mike Ramsey	
Preapplication	03/20/2013		

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. (Mike Ramsey, 08/16/2013)