

## Project #15-1074, Cowling Creek Culverts Replacement Feasibility

Current Status: Application Submitted

### Project Details

**Primary Sponsor:** Mid-Puget Sound Fisheries Enhancement Group

**Primary Contact:** Troy Fields  
(206) 529-9467  
troy@midsoundfisheries.org

**Funding Program:** Salmon State Projects

**Lead Entity:** West Sound Watersheds Council Lead Entity

**Project Type:** Planning

### Project Description

Mid Puget Sound Fisheries Enhancement Group seeks funds to conduct a Feasibility Study for replacement of two 36" salmon-blocking culverts located on Cowling Creek where it runs under Miller Bay Road NE about 1.5 miles north of Suquamish, WA. The long term project goals are: to restore naturally spawning fish in Cowling Creek by removing a 100% fish blocking culvert at the mouth of the creek; restore natural estuarine processes such as tidal influence of the stream and LWD passage from upstream to the estuary; and allow other wildlife to safely pass under the road. The project will result in a time, space and location assessment. The priority fish species supported by the project would be chum, coho, steelhead, and cutthroat populations. If restoration proves feasible and is completed in a future phase, the project would provide continuous fish access to 4.44 miles of fish-bearing habitat upstream of the blockage (per Wild Fish Conservancy Stream Typing Study). In addition, this project would enhance an important community connection to salmon. Cowling Creek is one of three advertised publicly-accessible salmon viewing sites in Kitsap County, and many residents of the area came to view the 2,112 adult salmon that returned to spawn in 2014 and Suquamish Elementary students walk from their school to observe naturally spawning adult chum salmon.

### Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer
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#### Completion Date

Projected date of completion	12/31/2016
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#### Sponsor Match: Monetary Funding

Amount of other monetary funding (A.12)	\$12,000.00
Project identifier for the other monetary funding (A.12.b)	n/a
Source of other monetary funding (A.12.a)	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)	\$0.00
Source of Donated Paid Contributions (A.13.b.2)	n/a

#### 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	\$68,000	85.00 %		Appropriation \ Cash	\$12,000
Sponsor Match	\$12,000	15.00 %	15%		
Total Project Funding	\$80,000	100.00 %			

#### Project Cost Summary

##### PLANNING COSTS

	Project %	Admin/A&E %	Maximum for Selected Program
Planning	\$80,000		
A&E	\$0	0.00 %	\$24,000 (30%)
Subtotal	\$80,000	100.00 %	
<b>Total Cost Estimate</b>	<b>\$80,000</b>	<b>100.00 %</b>	

### Worksites and Properties

County: Kitsap

Legislative Districts 2012: 23

**Congressional Districts 2012:** 06  
**Salmon Recovery Regions:** Puget Sound  
**DNR Watershed Units (WAU):** POULSBO  
**4th Field Catalog Units (HUC):** KITSAP  
**WRIA:** Kitsap  
**Sections:** 16  
**Township:** T26NR02E  
**Coordinates:** 47.74714542  
 -122.56078134

## Worksite #1: Cowling Creek Estuary

**Coordinates from Mapped Point:** **Latitude:** 47.74714542 **Longitude:** -122.56078134  
**Coordinates from Worksite:** **Latitude:** 47.746683 **Longitude:** -122.559953  
**Directions:**

**Worksite Description:** The culverts under consideration are under Miller Bay Road. Activities at the site will include geotechnical assessments, cross sections and a stream profile survey in order to assess the feasibility of replacing the culvert.

**Site Access Directions:** Coming from Suquamish, Suquamish Way NE turns slightly left and becomes Augusta Ave NE. Continue onto Miller Bay Rd.

**Worksite Address:**

## Planning Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer	Work Type Costs
Targeted salmonid ESU/DPS (A.23)	Chum Salmon-Puget Sound/Strait of Georgia ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU, Steelhead-Puget Sound DPS	
Targeted species (non-ESU species)	Cutthroat, Searun Cutthroat	
Area Encompassed (acres) (B.0.b.1)	0.0	
Miles of Stream Affected (B.0.b.2)	12.22	

### Restoration Planning And Coordination Project

#### Conducting habitat restoration scoping and feasibility studies (B.1.b.8)

Description of the Plan (B.1.b.8.b)	A time, space & location report for replacement of undersized and fish blocking culverts. The ultimate result of this plan will be conceptual design of the chosen design alternative. The purpose of the plan is to inform the final design during Phase 2 of this project's development.	
Name of the Plan (B.1.b.8.a)	Cowling Creek Estuary Culvert Replacement T, S, & L Report.	
Total cost for Conducting habitat restoration scoping and feasibility studies		\$80,000.00

## Planning Questions

- 1 of 4 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.**

Unknown
- 2 of 4 Will the project include any ground disturbing activities? (Please remember that this includes geotechnical survey sampling and the like.)**

Yes, Geotechnical (at least 1 boring) within the Miller Bay Road prism, extending into suspected native soil.
- 3 of 4 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 site is within the Kitsap County Miller Bay Road right-of-way. The property immediately downstream is in private ownership. The property immediately upstream is owned by the Suquamish Tribe. Both the upstream and downstream properties could be used for staging and other construction related activities. Both are supportive of the project.
- 4 of 4 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, Miller Bay Road is a public roadway and is owned by Kitsap County. However, the property immediately upstream of the road, and likely staging/office area includes the Cowling Creek Center, the home of the Suquamish Tribe's salmon recovery research, education & outreach program. The Center is dedicated to combining science & stewardship to conserve and restore Pacific salmon & steelhead populations and their habitats. Moving upstream still, The 42 acre Cowling Creek Forest Preserve includes trails through the mature forest and riparian corridor of Cowling and North Cowling Creeks. The forested property filters and moderates creek flow and provides a corridor for wildlife connecting the forest with the nearshore-marine environment. Up to 30,000 chum salmon return to Cowling Creek each fall to spawn. Bear, eagle, and river otter feed on these salmon and find refuge on the land. The Suquamish Tribe, Great Peninsula Conservancy, and Friends of Miller Bay work together to ensure that all activities within the preserve are consistent with conservation values and the protection of the natural resources. Educational opportunities are provided in partnership with the Suquamish Tribe, local organizations, and educational institutions.

## Property for Cowling Creek Estuary Worksite #1: Kitsap County DPW Right-of-way

**Activity:** Planning

**Landowner**  
Kitsap County Public Works

**Control and Tenure**  
**Instrument Type:** Landowner Agreement

**Landowner Type:** Local Government

## Property for Cowling Creek Estuary Worksite #1: State Owned Aquatic Lands

**Activity:** Planning

**Landowner**  
Department of Natural Resources (DNR)  
PO Box 47041  
Olympia, WA 98504-7041

**Control and Tenure**  
**Instrument Type:** Easement  
**Purchase Type:**  
**Term Length:** Fixed # of years (10 years)  
**Expiration Date:**  
**Note:**

**Landowner Type:** State 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, n/a
- 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.  
Geotechnical (at least 1 boring) within the Miller Bay Road prism, extending \_\_\_\_\_ feet into suspected native soil.
- 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](http://www.dnr.wa.gov/Publications/aqr_land_manager_map.pdf))  
No, n/a
- 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.  
Regional Fisheries Enhancement Group funds, administered through a contract between Mid Sound FEG and WA Dept. of Fish and Wildlife
- 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.  
n/a

## Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Archeological & Cultural Resources (EO 05-05) Other Required Permits		02/01/2016		

## Project Attachments

Required Attachments	5 out of 5 done
Cost Estimate	<input checked="" type="checkbox"/>
Map: Area of Potential Effect (APE)	<input checked="" type="checkbox"/>
Map: Planning Area	<input checked="" type="checkbox"/>
Photo	<input checked="" type="checkbox"/>
Salmon Project Proposal	<input checked="" type="checkbox"/>

### Photos

Attachment Type	Title	Attach Date
Application Document	BEF.pdf	04/16/2015
Baseline Inventory	Cowling Creek 900008 SPI.xls	03/31/2015
Cost Estimate	SRFB_Cost_Estimate DRAFT 4-1-2015.xlsx	04/01/2015
Inspection Report	site visit 4.21.2015.pptx	04/24/2015
Letters of Support	Cowling Creek Support Letter from Kitsap Co 8-12-15.pdf	08/14/2015
Map: Planning Area	Barriers of Cowling Creek.pdf	08/14/2015
Map: Planning Area	Cowling map 2.jpg	03/31/2015
Photo	Upstream 2.jpg	03/31/2015
Photo	Upstream 1.jpg	03/31/2015
Photo	Cowling high tide.jpg	03/31/2015
Photo	Cowling low tide.jpg	03/31/2015
Photo	Historic Miller Bay.jpg	03/30/2015
Salmon Project Proposal	Cowling Creek Feasibility Project Proposal 8-14-15.docx	08/14/2015
Salmon Project Proposal	Cowling Creek Feasibility Project Proposal FINAL.docx	04/01/2015
Visuals	Cowling TAG Presentation FINAL 5-2015.pptx	05/13/2015

# Application Status

Application Due Date: 08/14/2015

Status	Status Date	Name	Notes
Application Submitted	08/17/2015	Elizabeth Butler	Submitting on behalf of sponsor as their system is not allowing the project to be submitted.
Preapplication	02/26/2015		

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. (Elizabeth Butler, 08/17/2015)

Date of last change: 08/17/2015