

Project #15-1056, Meadowdale Beach Park Barrier Removal

Current Status: Application Submitted

Project Details

Primary Sponsor: Snohomish County Parks Department

Primary Contact: Logan Daniels
(425) 388-6619
logan.daniels@snoco.org

Funding Program: Salmon State Projects

Lead Entity: Lake Washington/Cedar/Sammamish
Watershed (WRIA 8) Lead Entity

Project Type: Planning

Project Description

Snohomish County will use this grant to prepare preliminary design deliverables for habitat improvements at Meadowdale Beach County Park. The Park is located at the northern end of Browns Bay in Puget Sound within a portion of the City of Edmonds and unincorporated Snohomish County, south of Mulkilteo and abuts City of Lynnwood Park preserved property to the east. The project improvements are focused on enhancing rearing habitat for non-natal juvenile Chinook (threatened), coho, and chum salmon; cutthroat trout and other fish species. The design entails removing approximately 130 linear feet of hard armored railroad embankment and the under-sized culvert (6' wide) for Lund's Gulch Creek, installing a four-span bridge, creating up to nearly one acre of tidal marsh pocket estuary, connecting a small freshwater wetland to the creek, restoring approximately one acre of nearshore and stream riparian buffers along 1050' of shoreline, and restoring sediment delivery that will support approximately one acre of delta formation. The bridge opening will dissipate flood waters and will enable a widened creek meander that will be dynamic over time creating essential habitat.

Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer
Completion Date	
Projected date of completion	12/29/2017
Sponsor Match: Monetary Funding	
Amount of other monetary funding (A.12)	\$45,000.00
Project identifier for the other monetary funding (A.12.b)	Meadowdale Beach County Park
Source of other monetary funding (A.12.a)	Snohomish County Parks Capital Improvements
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)	Not Applicable.
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)	Not Applicable
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)	Not Applicable
Description of other In-Kind contributions (A.13.c.2)	Not Applicable

Project Funding

Funding Request	Funding %	Min Match Required	Sponsor Match Source
Salmon State Projects	\$250,000	84.75 %	Appropriation \ Cash
Sponsor Match	\$45,000	15.25 %	
Total Project Funding	\$295,000	100.00 %	\$45,000
Project Cost Summary	Project %	Admin/A&E %	Maximum for Selected Program
PLANNING COSTS			
Planning	\$295,000		
A&E	\$0	0.00 %	\$88,500 (30%)
Subtotal	\$295,000	100.00 %	
Total Cost Estimate	\$295,000	100.00 %	

Worksites and Properties

County: Snohomish

Legislative Districts 2012: 21

Congressional Districts 2012: 02

Salmon Recovery Regions: Puget Sound
DNR Watershed Units (WAU): Puget
4th Field Catalog Units (HUC): KITSAP
WRIA: Cedar-Sammamish
Sections: 05
Township: T27NR04E
Coordinates: 47.85989245
 -122.33476337

Worksite #1: Meadowdale Beach County Park

Coordinates from Mapped Point: **Latitude:** 47.85989245 **Longitude:** -122.33476337
Coordinates from Worksite **Latitude:** **Longitude:**
Directions:

Worksite Description: This preliminary design project will include investigative work including survey, geotechnical borings and test pits, archaeology and cultural resource survey and critical areas delineation. Work will be performed within BNSF right of way as well as on tidelands, shoreline areas and park low-lands all owned by Snohomish County.

Site Access Directions: From Highway 99 in Lynnwood, WA turn west onto 168th Street Southwest, continue for approximately 1.3 miles to 66th Avenue West, turn north (right) and continue approximately .1 mile to North Meadowdale Road, turn west (left) and continue approximately 0.7 miles to 75th Place West, turn north (right), continue 0.5 miles along the ADA access Road to the ADA parking lot. ADA access Code No. is 6600. Notify Logan Daniels, Project Contact at 425-388-6619 in order to make arrangements for parking in ADA lot.

Worksite Address:
 15433 75th Place West
 Edmonds, WA 98026

Planning Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer	Work Type Costs
Targeted salmonid ESU/DPS (A.23)	Chinook Salmon-Puget Sound ESU, Chum Salmon-Puget Sound/Strait of Georgia ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU	
Targeted species (non-ESU species)	Searun Cutthroat	
Area Encompassed (acres) (B.0.b.1)	6.4	
Miles of Stream Affected (B.0.b.2)	0.15	

Design for Salmon restoration Preliminary design

Total cost for Preliminary design		\$277,000.00
Name of the Plan	Author TBD(2017)." Meadowdale Beach Park Barrier Removal Preliminary Design Report" prepared for Snohomish County Parks	
Description of the Plan	<p>The plan will describe the purpose of the project and identify targeted species and the specific habitat restoration goals and objectives. Background information regarding the existing problems affecting targeted species and existing conditions of the delta and pocket estuary, other shoreline conditions, Lund's Gulch Creek and buffer, adjacent freshwater wetland and other significant habitat related elements such as sediment delivery will be provided.</p> <p>General site conditions regarding topography, vegetation, soils, and hydrology will be discussed. The design process will be detailed describing the steps preceding delivery of the preliminary design submittal including design alternatives and stakeholder and permitting agency input as applicable. Results of investigative studies including geotechnical, critical area and archaeological/cultural resources will be presented along with conclusions of any data analysis. Specific design criteria that support the goals and objectives of restoration will be provided.</p> <p>Design of temporary construction measures necessary for installation of the bridge which ultimately provides the opportunity for the multiple benefits to the targeted species will be included to the level commensurate with the level provided for permanent elements. The level of detail of the Plan will be sufficient to support project permitting.</p>	

Cultural Resources Cultural resources

Total cost for Cultural resources		\$18,000.00
Acres surveyed for cultural resources	6.40	

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.**

Yes, An Archaeological Screening Findings was prepared September 10, 2013 for the maintenance project for Lund's Gulch Creek culvert. This was very site specific to the actual maintenance action. The memo indicates there are no recorded sites relative to the location where maintenance will occur. This

determination was made based on contact with the Department of Archaeology and Historic Preservation (DAHP). In addition, a literature review to assess the potential for cultural resources (archaeological, historical and tribal sites) was included in the scope of work for the Feasibility Study that has not been finalized at the time of this application, but the literature review concluded that there are no recorded archaeological sites in the park, no cultural resource surveys have been performed and historic structures or tribal traditional cultural properties recorded at the Park, but noted that the tunnel may be older than 50 years requiring further evaluation. The findings also noted the site has been extensively disturbed but is still partly intact.

- 2 of 4 Will the project include any ground disturbing activities? (Please remember that this includes geotechnical survey sampling and the like.)**
Yes, This project will include approximately ten (10) borings and possibly four (4) test pits for design purposes. In addition, an archaeological/cultural resources survey will be performed in accordance with Section 106 of the National Historic Preservation Act. Future construction (not requested as part of this grant) will include pile driving for railroad foundations and grading activity, fill and excavation, for temporary mobilization and construction of the railroad bridge and for creation of estuary, respectively.
- 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 current use of the site includes passive and active open space for park and recreation purposes and a portion of the site includes Burlington Northern Santa Fe Railroad with an active two-rail railroad for transporting goods. Past ground disturbance includes construction of a clubhouse and an underground swimming pool (depth unknown) in the mid to lower lawn area constructed in early 1960's. The badly vandalized clubhouse was destroyed by fire in 1970 and the swimming pool was filled in when Snohomish County acquired the property in 1971. It is unknown what kind of substructure or if there is substructure within the 11-foot rock railroad embankment. This project will be disturbing the area where the clubhouse and swimming pool were located along with removing 130 linear feet of rock embankment and concrete culvert. Excavated materials from the proposed estuary creation will be placed upland on lawn areas adjacent to the estuary. Temporary fill up to 4.5 feet may be required for mobilization and construction of the railroad bridge.
- 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.**
Yes, The worksite is located in Meadowdale Beach County Park. There are two landowners, Snohomish County and Burlington Northern Santa Fe railroad

Property for Meadowdale Beach County Park Worksite #1: BNSF Railroad Right of Way

Activity: Planning

Landowner

Burlington Northern Santa Fe Railroad
PO Box 961056
Fort Worth, TX 76161-0056

Control and Tenure

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

Landowner Type: Private

Note: Parks has an existing agreement for shared use of the culvert under the embankment. The RR R/W is approximately 100' and bisects park parcel 27040500200100. This project will require a new Agreement to be executed btw BNSF and Snohomish County that will i

Property for Meadowdale Beach County Park Worksite #1: Snohomish County Park

Activity: Planning

Landowner

Snohomish County
3000 Rockefeller Avenue
Everett, WA 98201

Control and Tenure

Instrument Type: Sponsor owned property
Purchase Type:
Term Length: Fixed # of years
Expiration Date:

Landowner Type: Local Government

Note: Incl 3 TPN's and County Road R/W; Tidelands is 27040500200200; Shoreline area, meadow, and creek are on 27040500200100; portion of meadow located on 00500900000500; and marsh is located partially on road r/w.

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.**
Approximately ten (10) borings approximately 100-150 feet deep will be required along with four test pits approximately four to five feet deep for design purposes. The archaeological/cultural resources survey will be conducted concurrently with the geotechnical investigation.
- 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, Please see the attached Title Insurance and Legal Descriptions in which the tidelands were conveyed by the State of Washington to a private land owner and later conveyed to Snohomish County. An email was sent to DNR on 8/10/15 requesting concurrence by DNR that tidelands are owned by Snohomish County. No response has been received at the time of grant submittal.
- 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.**
Not Applicable
- 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.**
Not Applicable

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Building Permit				
Clear & Grade Permit				
Cultural Assessment [Section 106]				
Dredge/Fill Permit [Section 10/404 or 404]				
Endangered Species Act Compliance [ESA]				
Hydraulics Project Approval [HPA]				
Nationwide Permit				
SEPA				
Shoreline Permit				
Water Quality Certification [Section 401]				
Other Required Permits				
Other Required Permits				
Other Required Permits				

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
Correspondence	Marine Resources Committee.pdf	03/31/2015
Cost Estimate	Cost Estimate Updated.xlsx	08/12/2015
Legal description	Deeds.pdf	08/07/2015
Letters of Support	Friends of Meadowdale.pdf	08/10/2015
Letters of Support	Edmonds Community College.pdf	08/07/2015
Letters of Support	Tulalip Tribes.pdf	03/31/2015
Map: Planning Area	Planning Area Map.pdf	08/12/2015
Map: Planning Area	Figure 1. Vicinity Map.pdf	03/31/2015
Photo	Lund's Gulch Creek Upstream of Culvert 3-15-15.jpg	03/31/2015
Photo	Gravel Deposition Upstream of Culvert.jpg	03/31/2015
Photo	Creek exiting culvert 3-15-15.jpg	03/31/2015
Photo	Culvert with Pedestrians.jpg	03/31/2015
Photo	North Beach Delta Habitat 12-2-14.jpg	03/31/2015
Photo	Aerial View 12-2-14.jpg	03/31/2015
Project plan document	Conceptual Plans.pdf	08/10/2015
Salmon Project Proposal	Project Proposal 15-1056 track changes.docx	08/13/2015
Visuals	15-1056 Site Visit April 2015.pptx	05/08/2015
Visuals	Site Photographs from Habitat Study.docx	03/31/2015

Application Status

Application Due Date: 08/14/2015

Status	Status Date	Name	Notes
Application Submitted	08/13/2015	Logan Daniels	
Preapplication	02/24/2015		

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. (Logan Daniels, 08/13/2015)