WASHINGTON STATE Recreation and Conservation Office

Project Application Report

Project #19-1632, George Davis Creek Fish Passage Design (King Co)

Current Status: Application Submitted

Project Details

Primary Sponsor: City of Sammamish

Primary Contact: Danika Globokar
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Funding Program: FBRB Coordinated Pathway

Project Type: Planning

Project Description

The George Davis Creek Fish Passage Project will remove four fish passage barriers between the creek mouth at Lake Sammamish and 400 feet upstream of East Lake Sammamish Parkway (ELSP). The City of Sammamish (City) will remove three of the four barriers. Two of the barriers will be replaced with open-channel stream sections, and the third barrier will be replaced with a fish-passable box culvert. The City will collaborate with King County on their East Lake Sammamish Regional Trail project, which will replace the fourth fish passage barrier under the trail with a fish passable culvert. The combined projects will restore fish access to over 4,000 feet of high quality salmon spawning and rearing habitat. The Project will restore the full complement of streambed processes and floodplain function through the project area. A sediment delta providing habitat for Lake Sammamish Chinook salmon at the mouth of George Davis Creek is an anticipated outcome. The target species for this project is the Lake Sammamish kokanee salmon.Once numbering in the tens of thousands, Lake Sammamish kokanee have had their main spawning areas reduced to three or four primary tributaries. George Davis Creek has the potential to support a kokanee population. The creek, at one time, also served as habitat for coho and sockeye salmon. Cutthroat trout and rainbow trout have also been previously identified in the creek. Grant funding will be used to support the design phase of this project to replace three of the four fish-passage barriers.

Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer
Completion Date	
Projected date of completion	6/30/2021
Sponsor Match: Monetary Funding	
Amount of other monetary funding (A.12)	$127,476.00
Source of other monetary funding (A.12.a)	City of Sammamish - Approved 2019-2020 City Budget
Timing of other monetary funding	Funds are in-hand and will be available until 12/31/2020. The funds can be rolled-over to the following year, and will thus be available until 6/30/2021, the end of the design phase.
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)	M/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	
FBRB Coordinated Pathway (FY2020)	$722,000	84.99 %		Appropriation \ Cash	$127,476
Sponsor Match	$127,476	15.01 %	15%		
Total Project Funding	$849,476	100.00 %			

Project Cost Summary		Project %	Admin/A&E %	Maximum for Selected Program
PLANNING COSTS				
Planning	$849,476			
A&E	$0		0.00 %	$254,843 (30%)
Subtotal	$849,476	100.00 %		
Total Cost Estimate	$849,476	100.00 %		

Worksites and Properties

County: King
Legislative Districts 2012: 45
Congressional Districts 2012: 08
Salmon Recovery Regions: Puget Sound
DNR Watershed Units (WAU): Lake Sammamish
4th Field Catalog Units (HUC): Lake Washington
WRIA: Cedar-Sammamish
Sections: 32
Township: T25NR06E
Coordinates: 47.61550548
-122.06901231

Worksite #1: 635 E Lake Sammamish Shore Lane NE

Coordinates from Mapped Point: **Latitude:** 47.61550548 **Longitude:** -122.06901231
Coordinates from Worksite Directions: **Latitude:** **Longitude:**

Worksite Description: The City is purchasing this privately-owned parcel.Work here will consist of demolition of current site structures, abandonment of the piped creek section, restoration of a stream channel, and planting of riparian vegetation.

Site Access Directions: Traveling on I-90 E, towards Spokane. Use the right 2 lanes to take exit 15 for WA-900 W/17th Ave NW (0.2 mi). Continue straight onto 17th Ave NW (0.2 mi). Continue onto NW Sammamish Rd (0.5 mi). Continue onto SE 56th St (0.2 mi). Use the left 2 lanes to turn left onto E Lake Sammamish Pkwy SE (1.2 mi). At the traffic circle, continue straight to stay on E Lake Sammamish Pkwy SE (4.2 mi). Immediately after passing Louis Thompson Road, turn left down a private driveway to access E Lake Sammamish Shore Ln NE. The property is on this private road.

Worksite Address:
635 East Lake Sammamish Shore Lane
Sammamish, WA 98074

Planning Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer	Work Type Costs
Targeted salmonid ESU/DPS (A.23)	Chinook Salmon-unidentified ESU	
Targeted species (non-ESU species)	Kokanee	
Design for Fish Passage		
Final design and permitting for fish passage		
Total Cost for final design and permitting		$849,475.00
Miles of stream to be made accessible from proposed project	0.91	
Name of Plan	WRIA 8 2018 and 2019 Four-Year Work Plan https://govlink.org/watersheds/8/funding/documents/2019/2019WRIA8FourYrWorkPlan.pdf	
Cultural Resources		
Cultural resources		
Total cost for Cultural resources		$1.00
Acres surveyed for cultural resources	0.35	

Planning Questions

1 of 5 **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

2 of 5 **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 primary work site (635 East Lake Sammamish Shore Lane) is a residential property, occupied by a single family home and additional dwelling unit. The last major ground disturbance was in the 1960's when the house was built on the shoreline of Lake Sammamish. In the 1800's the Shoreline was inhabited by homesteaders. Prior to that time, there is the possibility that the Snoqualmie Tribe lived near the shoreline. Fill amounts are unknown at this time. We have geotechnical investigations and a cultural resources study included as part of our design contract.

3 of 5 **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, The worksite has not yet been investigated, but investigation is part of our design contract and will occur during calendar year 2019.

4 of 5 **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".**
Geotechnical Work: There will be two exploration borings advanced on the project site. Boring will be 6 to 8 inches in diameter and about 30 to 40 feet in depth. The geotechnical engineer will also advance some hand-auger explorations on-site. The hand-augers explorations will be about 4-inches in diameter, and be advanced 2 to 6 feet in depth. Demolition: The existing single family home and additional dwelling unit on the site will be demolished, as will attached utilities.

Utilities on site have not yet been located, so depths and widths are not known. Creek channel restoration: George Davis Creek is currently piped through the subject property. Our project will restore the creek to an open-channel configuration in the lower reaches, on the subject property, for a length of about 200 to 250 linear feet. For the creek channel, there will be machine excavation of a channel (approximately 2 to 4 feet deep by 15 feet wide), embeddment of large woody debris in the channel banks, and planting of riparian vegetation.

5 of 5 **Give street address or road name and mile post for this worksite if available.**
635 East Lake Sammamish Shore Lane, Sammamish, WA

Overall Project Questions

1 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

2 of 5 **Does your project address or accommodate the anticipated effects of climate change? If yes or maybe, please describe how.**
Yes, We are using stream-simulation design to design an appropriate width for our culvert, modeling the current 100-year storm. From this calculated width, we will increase the width to give additional creek/channel capacity to account for climate change and altering weather patterns.

3 of 5 **Is any part of the scope of work included in this application required as mitigation for another project or action or court injunction? E.g. FERC relicensing, Habitat Conservation Plan, legal settlement, culvert injunction, etc. If yes, explain:**
No

4 of 5 **Provide the WDFW Site ID for the proposed culvert barrier correction worksite(s) or enter Unknown.**
920017 - East Lake Sammamish Shore Lane 920111 - East Lake Sammamish Parkway 920112 - Concrete Dam/Weir

5 of 5 **When was the last barrier evaluation and downstream check conducted for the proposed barrier correction worksite(s)? Please provide an overview of the barrier evaluation and downstream check results (for example: The existing culvert was evaluated in 2014 and determined to be a 33% passable slope barrier. There are no barriers downstream.)**
April 2018 - All three barriers were inspected at this date and all are complete fish passage barriers, allowing no fish passage upstream.

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Clear & Grade Permit	06/01/2020			
Hydraulics Project Approval [HPA]	06/01/2020			
Nationwide Permit	06/01/2020			
SEPA	06/01/2020			

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, USACE Permit. Yes, the permit will completely cover all of this project's activities.

2 of 2 **Are you planning on using the Fish Habitat Enhancement Project (FHEP) streamlining process (http://apps.oria.wa.gov/permithandbook/permitdetail/112)? If no, please let us know why.**
Yes, I did not know this existed, but if it is a streamlined process for permitting, then I am happy to use it.

Project Attachments

Attachment Type	Title	Attach Date
Applicant Resolution/Authorizations	Applicant-Authorization-Resolution - George Davis.doc.doc	07/10/2019
Barrier evaluation form	GEORGE DAVIS - Barrier Evaluation Form.doc.doc	07/10/2019
Correction Analysis Form	FBRB 10c Correction Analysis Form GD Conc. Weir.doc.doc	07/10/2019
Correction Analysis Form	FBRB 10b Correction Analysis Form GD ELSP.doc.doc	07/10/2019
Correction Analysis Form	FBRB 10a Correction Analysis Form GD Shore Lane.doc.doc	07/10/2019
Cost Estimate	FBRB Cost Estimate Spreadsheet George Davis Creek - TOTAL.xl.xlsx	07/10/2019
Cost Estimate	FBRB 10c Cost Estimate Spreadsheet George Davis Creek.xlsx.xlsx	07/10/2019
Cost Estimate	FBRB 10b Cost Estimate Spreadsheet George Davis Creek.xlsx.xlsx	07/10/2019
Cost Estimate	FBRB 10a Cost Estimate Spreadsheet George Davis Creek.xlsx.xlsx	07/10/2019
FBRB Final Application Questions	FBRB 10b Final Application George Davis Creek.docx.docx	07/10/2019
FBRB Final Application Questions	FBRB 10a Final Application George Davis Creek.docx.docx	07/10/2019
FBRB Final Application Questions	FBRB 10c Final Application George Davis Creek.docx.docx	07/10/2019
Map: Planning Area	George Davis Grant Map.pdf.pdf	07/10/2019
Photo	20190227_102332.jpg.jpg	07/10/2019
Visuals	George Davis Creek - Fish Barrier Photos.pdf.pdf	07/10/2019

Application Status

Application Due Date: 07/10/2019

Status	Status Date	Name	Notes
Application Submitted	07/10/2019	Danika Globokar	I need to still upload the SIGNED copy of the grant agreement, which is scheduled for signing on July 16th.
Preapplication	06/11/2019		

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. (Danika Globokar, 07/10/2019)

Date of last change: 07/10/2019