

## 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  
(425) 295-0516  
dglobokar@sammamish.us

**Funding Program:** FBRB Coordinated Pathway

**Project Type:** Planning

### Project Description

The City of Sammamish will complete final design to correct 3 significant fish-passage barriers along the lowest 425 lineal feet of George Davis Creek from Lake Sammamish shoreline to the area upstream of East Lake Sammamish Pkwy NE (ELSP). Barrier corrections include: 10a) Daylighting the creek to a relocated stream channel north of the current outfall and replacing the culvert under E Lake Sammamish Shore Ln SE with a fish-passable culvert; 10b) Replacing a barrier culvert under ELSP with a fish-passable box culvert; and 10c) Removing or modifying a concrete weir located upstream of ELSP. This project expands upon King County's East Lake Sammamish Trail Improvements scheduled for construction in 2019-20 that will install a fish passable box culvert between 10a and 10b. Once constructed, the combined projects would restore fish access to 0.38 miles of high quality salmon spawning and rearing habitat and restore the full complement of streambed processes and floodplain function through the project area. The City's fish passage project is expected to form a sediment delta at the mouth of George Davis Creek to improve habitat for Lake Sammamish Chinook salmon. Lake Sammamish kokanee salmon is the target species for this fish passage project; once numbering in the tens of thousands, their main spawning areas were reduced to 3 or 4 primary tributaries. George Davis Creek has the potential to support a kokanee population, and at one time, also provided habitat for coho and sockeye salmon, and cutthroat and rainbow trout.

### 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)  
Source of other monetary funding (A.12.a)  
Timing of other monetary funding

\$129,500.00  
City of Sammamish - Approved 2019-2020 City Budget  
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)  
Source of Donated Un-paid labor contributions (A.13.a.4)

\$0.00  
N/a

#### Sponsor Match: Donated Paid Labor

Value of Donated Paid Labor (A.13.b.1)  
Source of Donated Paid Contributions (A.13.b.2)

\$0.00  
M/A

#### Sponsor Match: Other In-kind Contributions

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

\$0.00  
N/A  
N/A

### Project Funding

Funding Request		Funding %	Min Match Required	Sponsor Match Source	
FBRB Coordinated Pathway (FY2020)	\$722,350	84.80 %		Appropriation \ Cash	\$129,500
Sponsor Match	\$129,500	15.20 %	15%		
Total Project Funding	\$851,850	100.00 %			

#### Project Cost Summary

##### PLANNING COSTS

Planning	\$851,850			
A&E	\$0		0.00 %	\$255,555 (30%)
Subtotal	\$851,850	100.00 %		
<b>Total Cost Estimate</b>	<b>\$851,850</b>	<b>100.00 %</b>		

# 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: George Davis Creek

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

**Worksite Description:** This is a suburban residential neighborhood on Lake Sammamish with developed trails and arterial roadways. The city will develop designs for a fish passage project to remove three distinct barriers between the mouth of George Davis Creek at Lake Sammamish to approximately 425 feet upstream. Future restoration will consist of construction of the developed design, include demolition of a residence, establishing a restored stream channel on the property north of its current location, and replacing culverts at a trail crossing and East Lake Sammamish Pkwy.

**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) Targeted species (non-ESU species)	Chinook Salmon-unidentified ESU Kokanee	
<b>Design for Fish Passage</b>		
<b>Final design and permitting for fish passage</b>		
Total Cost for final design and permitting		\$838,350.00
Miles of stream to be made accessible from proposed project	0.38	
Name of Plan	2005 Lake Washington/Cedar/ Sammamish Watershed (WRIA 8) Chinook Salmon Conservation Plan; 2018 WRIA Four-Year Work Plan ( <a href="https://www.govlink.org/watersheds/8/funding/documents/1.approved-2018-wria-8-four-yr-workplan.pdf">https://www.govlink.org/watersheds/8/funding/documents/1.approved-2018-wria-8-four-yr-workplan.pdf</a> )	
<b>Cultural Resources</b>		
<b>Cultural resources</b>		
Total cost for Cultural resources		\$13,500.00
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. Other development in the project area includes younger (1970's) residential construction, as well as construction of the railroad and East Lake Sammamish Parkway in the late 1800's/early 1900's. There is likely fill in the area, but the amount is unknown. 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 scope of this design project includes cultural resources assessment and is expected to 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 635 East Lake Sammamish Shore Lane. Borings 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 this site. The hand-augers explorations will be about 4-inches in diameter, and be advanced 2 to 6 feet in depth. Additional explorations will occur on the shoulders of East Lake Sammamish Parkway to ascertain fill depths and subsurface conditions. Future phases will include 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. Future phase will include Creek channel restoration: George Davis Creek is currently piped through the subject property. Our future construction 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), embedment 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

## Property for George Davis Creek Worksite #1: 10a: 635 East Lake Sammamish Shore Lane

**Activity:** Planning

**Landowner**

Bill and Sue Sigmar  
635 East Lake Sammamish Shore Lane NE  
Sammamish, WA 98074

**Control and Tenure**

**Instrument Type:** Sponsor owned property (deed)

**Purchase Type:**

**Term Length:** Perpetuity

**Expiration Date:**

**Note:** The city is negotiating to acquire this property and will be requesting a waiver of retroactivity to preserve eligibility for future grant funding or match.

**Landowner Type:** Private

## Property for George Davis Creek Worksite #1: 10b: East Lake Sammamish Trail

**Activity:** Planning

**Landowner**

King County Road Service Division  
201 S Jackson KSC-TR-0231  
Seattle, WA 98104

**Control and Tenure**

**Instrument Type:** Interagency Agreement

**Purchase Type:**

**Term Length:** Fixed # of years (10 years)

**Expiration Date:**

**Note:** The City will be negotiating an Inter Agency Agreement with King County.

**Landowner Type:** Local Government

## Property for George Davis Creek Worksite #1: 10c: East Lake Sammamish Parkway ROW

**Activity:** Planning

**Landowner**

City of Sammamish  
801 228th Ave SE  
Sammamish, WA 98075

**Control and Tenure**

**Instrument Type:** Sponsor owned property (deed)

**Purchase Type:**

**Term Length:** Perpetuity

**Expiration Date:**

**Note:** This "property" includes the small in-line sedimentation pond on the the east side of the Parkway, which is also City-owned.

**Landowner Type:** Local Government

## Property for George Davis Creek Worksite #1: 10d: 20413 NE 7th Court

**Activity:** Planning

**Landowner**

Brett Starkey  
20413 NE 7th Court  
Sammamish, WA 98074

**Control and Tenure**

**Instrument Type:** Easement - Temporary

**Purchase Type:**

**Term Length:** Fixed # of years (5 years)

**Expiration Date:**

**Note:** Not sure this property will be included in the project. City has an access easement in place to allow for planning.

**Landowner Type:** Private

## Property for George Davis Creek Worksite #1: 10e: Private property upstream of ELSP

**Activity:** Planning

**Landowner**

City of Sammamish  
801 228th Ave SE  
Sammamish, WA 98075

**Control and Tenure**

**Instrument Type:** Sponsor owned property (deed)

**Purchase Type:**

**Term Length:** Perpetuity

**Expiration Date:**

**Note:**

**Landowner Type:** Local Government

## 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](http://www.dnr.wa.gov/Publications/aqr_land_manager_map.pdf))**

No, Grant manager questions: Is the mouth of the Creek on DNR lands, as a navigable water of the state, or do the residences include a portion of the lake bed? I tried calling Trina Sunderland (206-949-1720) from DNR, but her mailbox is full. Per aerial imagery, it appears as though the creek mouth is entirely on private property. I will continue to try calling DNR to make a more certain determination of ownership.

- 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 to design an appropriate width for our culverts, 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
Archeological & Cultural Resoures (EO 05-05)	10/01/2019			
Clear & Grade Permit	06/01/2020			
Cultural Assessment [Section 106]	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	R2019-842 - GD Creek Grant Acceptance.doc.pdf.pdf	08/05/2019
Resolution/Authorizations		
Application Review Report	Application Review Report, 19-1632P(rtnd 07/24/19 12:18:50).pdf	07/24/2019
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
Milestones	Design milestone worksheet.doc	07/24/2019
Photo	20190227_102332.jpg.jpg	07/10/2019
Project Application Report	Application Report, 19-1632P (submitted 07/10/19 16:14:59).pdf	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	08/05/2019	Danika Globokar	Need to find a milestones worksheet to include, per grant manager comments. Still obtaining signatures of landowner acknowledgement forms.
Application Returned	07/24/2019	Elizabeth Butler	Thank you! I noted a few edits made, a few remaining questions, and additional informational

Application Submitted                      07/10/2019    Danika Globokar

Preapplication                                06/11/2019

needs on the application review pdf. Please let me know if you have any questions. Once you resubmit, I will be able to move to the next step of getting this project under agreement-- with gratitude, Elizabeth

I need to still upload the SIGNED copy of the grant agreement, which is scheduled for signing on July 16th.

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, 08/05/2019)