

Project Cultural Resources Screening Report

PROJECT: 21-1427 Restoration, George Davis Creek Fish Passage Construction

Sponsor: Sammamish City of Program: BA Fish Barrier Removal Board

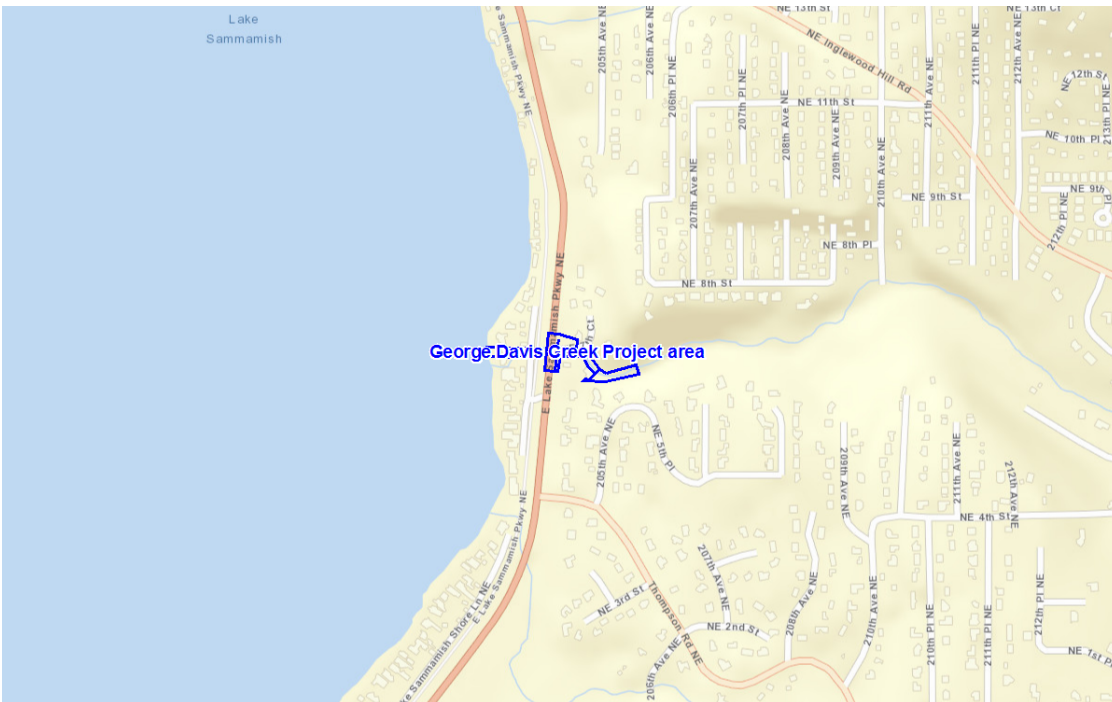
PROJECT DESCRIPTION

The City of Sammamish will use this grant to fund final design and construction to remove three fish passage barriers on the lowest one half-mile of George Davis Creek, east of Lake Sammamish. In partnership with King County, the outcome will eliminate a total of four barriers between Lake Sammamish and the next barrier at NE 6th St (920113). The project is located in King County near East Lake Sammamish Parkway (ELSP) at NE 7th Court. The City will remove three barriers including 920017, 920111, and 920112 (the concrete dam 1,140 feet upstream of Lake Sammamish). The County will remove 920268 with their trail project. Combined, the outcome will restore fish access beyond the dam, to 4,000 lineal feet (.75 mi) of high-quality spawning and rearing ecosystem habitat. The target species supported are the native kokanee salmon, coho, sockeye, steelhead, and cutthroat and rainbow trout which will greatly benefit from the significant increase in habitat gain. During recent years, kokanee have been observed annually along the 100 feet of accessible stream, making this an exciting opportunity to revive the population and runs in this tributary stream to Lake Sammamish. Since 2018, WRIA 8, the Kokanee Work Group, the Snoqualmie Indian Tribe, the City of Sammamish, King County, and several private property owners have identified George Davis Creek as a regionally significant stream for kokanee salmon restoration and a priority for capital investment to improve stormwater conveyance.

PROJECT CONTACTS

Name, Organization	Project Role	Work Phone	Work Email
Alice Rubin Rec. and Conserv. Office	Project Manager	(360) 867-8584	alice.rubin@rco.wa.gov

PROJECT MAP



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WORKSITE #1: George Davis Creek

Properties:	10a: Parcel no. 0777100040 (city-owned), 10b: East Lake Sammamish Parkway ROW, 10b: Parcel no. 3225069305 (city-owned), 10c: Parcel no. 8653600290 (city-owned), Parcel no. 3225069284 (Starkey), Parcel no. 3225069296 (Hammer)	Township:	25
Address:	635 East Lake Sammamish Shore Lane NE	Range:	06E
City:	Sammamish	Section:	32
County:	King	Lat/Long:	47.61539745, -122.06785122

Area: George Davis Creek Project area

#1: Provide a description of the project actions at this worksite (acquisition, development and/or restoration activities that will occur as a part of this project)

This project will remove three fish passage barriers and modify a high flow bypass that has diverted surface water from a fish critical stream. This project will support community efforts to improve Kokanee and Chinook salmon populations in Lake Sammamish, spearheaded by the WRIA 8 Salmon Recovery Council and the King County Kokanee Recover Work Group. King County is a critical partner in restoring fish passage along this creek.

The objective for these combined barrier removal and stream restoration projects are to restore fish access to over 4,000 feet (.75mi) of high-quality salmon spawning and rearing habitat. This project is expected to cease current detention of transported sediment and mobile aggregate down George Davis Creek from the contributing basin and return it to close-to-historical riparian channel dynamics, likely resulting in creation of a sediment delta at the mouth of George Davis Creek. While the target species for this project is the Lake Sammamish kokanee salmon, this delta will provide habitat for additional fish species of interest, such as the Lake Sammamish Chinook salmon.

Reviving salmon habitats will be achieved by restoring the full complement of streambed processes and floodplain function through the project area. By realigning the stream, coordinating creek cross-sections, profiles, and salmon refuge elements, and working with private property owners, WDFW, and King County, the City is ensuring full restoration of fish passage.

#2: Describe all ground disturbing activities (length, width and depth of disturbance and equipment utilized) that will take place in the Area of Potential Effect (APE). Include the location of any construction staging or access roads associated with your project that will involve ground disturbance.

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Ground disturbing activities at Worksite 10a are shown on Sheet C301 of Attachment B and include demolition of all existing residential property buildings, hard surfacing, underground utilities, and an existing septic sewer system within a 220-foot-long by 50-foot-wide parcel. An existing wooden dock, approximately 80-feet long by 15-feet-wide, with wooden support piers will also be removed. Depths of demolition for this Worksite will not exceed proposed channel excavation.

Ground disturbing activities at Worksite 10b are shown on Sheets C302 of Attachment B and include excavation of 70-foot-long by 40-foot-wide area of NE 7th Court, 150-foot-long by 45-foot-wide portion of East Lake Sammamish Parkway (ELSP) for the proposed box culvert, soldier piles, headwall, and stream channel within this Worksite.

Ground disturbing activities at Worksite 10c are shown on Sheets C304 of Attachment B and include relocation of a 40-foot-wide by 10-foot-long area of existing impounded sediment behind existing concrete dam. Removal of a 40-foot-wide by 18-foot-long by 6-foot-tall existing concrete dam to up to 2-feet below ground surface. Construction of temporary access paths from ELSP to the dam removal location will also be required.

#3: Describe any planned ground disturbing pre-construction/restoration work. This includes geo-technical investigation, fencing, demolition, decommissioning roads, etc.

Additional geotechnical work is planned on the city-owned property parcel no. 0777100025 to investigate the existing septic system and plan for removal during construction. Geotechnical samples and borings will be performed to test soils for possible contaminants on the property and in East Lake Sammamish Parkway. Contamination was found under ELSP in a nearby project which was determined to be oil that was left from the 1940s oiling of the road. Soil borings will be taken on the east side of East Lake Sammamish Parkway and be evaluated for structural wall design to ensure proper road support at East Lake Sammamish Parkway.

#4: Describe the existing project area conditions. The description should include existing conditions, current and historic land uses and previous excavation/fill (if depths and extent is known, please describe).

Beginning at the mouth of George Davis Creek at Lake Sammamish, the proposed stream channel footprint is within King County Parcel No. 077710-0040 (635 East Lake Sammamish Shore Lane). This site is currently a residential property, occupied by a single-family home and an additional dwelling unit, as well as a lakeside dock, all of which will be removed. The last major ground disturbance was in the 1960's when the house was built on the natural shoreline of Lake Sammamish.

For both this property and the proposed work in East Lake Sammamish Parkway (ELSP) and to the east, the Shoreline and adjacent areas were inhabited by homesteaders in the 1800's. 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 ELSP in the late 1800's/early 1900's. There is likely fill in the area, but the amount is unknown.

The final site, the old concrete irrigation dam further upstream is thought to have been constructed sometime after the 1930s, per documentation of the proposed activity. Otherwise, the nearby vicinity of this worksite appears relatively close to unmodified condition.

#5: Will a federal permit be required to complete the scope of work on the project areas located within this worksite?

Yes

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List the agency that will be issuing the permit and the date you anticipate applying for and receiving the permit. Will the federal permit cover ALL proposed ground disturbing activities included in the project?

JARPA - United States Army Corps of Engineers; Application Review Underway; covers all ground disturbance. See Attachment W-1 for anticipated project approval schedule.

#6: Are you utilizing Federal Funding to complete the scope of work? This includes funds that are being shown as match or not.

No

#7: Do you have knowledge of any previous cultural resource review within the project boundaries during the past 10 years?

Yes

Summarize the previous cultural resource review; including lead agency and date of review, reference name and numbers, etc. If RCO, include the prior phase grant number. NOTE: Do not provide any site-specific information considered confidential. Attach previous surveys or other reference documents.

The Cultural Resources Report, included as Attachment V, was performed on behalf of the City of Sammamish and was completed on October 11, 2019.

#8: Is the worksite located within an existing park, wildlife refuge, natural area preserve, or other recreation or habitat site?

No

#9: Are there any structures over 45 years of age within this worksite? This includes structures such as buildings, tidegates, dikes, residential structures, bridges, rail grades, park infrastructure, etc.

Yes

List the structure(s) and the properties that they are located within the project area. Identify which structures will be removed or altered as part of this proposal. Attach at least one photo of each structure. The photo must be labeled so that the structure may be geographically located within your project area.

Upstream Dam: An existing irrigation dam is located approximately 2,000 feet upstream of the creek's mouth at Lake Sammamish. Changes to land use eliminates the need for this structure, and it is identified as a water surface drop fish passage barrier, so will be removed as part of this project. This element is shown in the attached photos. It will be removed.

Original Home: The existing home on parcel number 0777100040 was constructed in 1955 and renovated in 1991, according to the King County Assessor's Office. It will be removed.

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ATTACHMENTS

Date	Attachment Type	Title
01/12/2022	Map: Restoration Worksite	Attach_A1-SiteMap.pdf
01/12/2022	Map: Restoration Worksite	Attach_A2-InglewoodBasin_Map.pdf
01/12/2022	Map: Restoration Worksite	Map - Restoration Sites.pdf
04/26/2023	Map: Area of Potential Effect (APE)	Project APE Report (04/26/23 16:31:01)