



Washington Department of Fish and Wildlife

Fish Passage & Diversion Screening Inventory Database Report Cover Sheet

The following report is extracted from the Washington Department of Fish and Wildlife's (WDFW) Fish Passage and Diversion Screening Inventory Database (FPDSI). WDFW makes every attempt to keep these reports in sync with FPDSI; however, the dynamic nature of the data and workflows associated with maintaining the database may result in short-term differences.

Users are encouraged to contact WDFW to discuss appropriate use of the data and how we can assist with fish passage barrier removal or inventory. Please visit the Fish Passage web site for contact information at: <https://wdfw.wa.gov/species-habitats/habitat-recovery/fish-passage/about>

Disclaimers:

- Data presented here represent a snapshot observation of conditions in a dynamic environment that is subject to change. Fish passage data are also collected from a variety of agencies and sources. Therefore, WDFW makes no guarantee concerning the data's content, accuracy, completeness, or the results obtained from use of the data. WDFW assumes no liability for the data represented here.
- These data are not an attempt to provide you with an official agency response as to the impacts of your project on fish and wildlife.
- Note that some fish passage features, habitats or species may occur in areas not currently known to the WDFW Fish Passage division, and may not be reflected in this database. A lack of data does not necessarily indicate that a feature, habitat, or species are not present.
- Unauthorized attempts to alter or modify these data are strictly prohibited.
- Bankfull width measurements included in these reports should not be used for fish passage crossing design. They are solely for assessment purposes.
- The barrier status reported in this document is based on the swimming abilities of adult salmonids. Passabilities are a qualitative value, and should not be interpreted as a quantitative calculation. Please see page 1-4 of the Fish Passage Inventory, Assessment and Prioritization Manual for further clarification: <https://wdfw.wa.gov/publications/02061>
- EXIF data presented with Image Reports may be erroneous due to camera battery failures and resetting of camera clock functions.

Abbreviations:

Most abbreviations in this report are defined in the Quick Reference Tables of the Fish Passage Inventory, Assessment, and Prioritization Manual. Additional commonly used abbreviations are defined as follows:

NFB = no potential salmonid use, **BB** = both banks, **LB** = left bank looking downstream, **RB** = right bank looking downstream, **US** or **U/S** = upstream, **DS** or **D/S** = downstream, **WSDrop** = water surface drop, **BFW** = bankfull width, **OHW** = ordinary high water, **SLW** = scour line width, **CMP** = corrugated metal pipe, **Q_{fp}** = fish passage flow, **V&D** = Velocity and Depth, **ROW** = Right of Way

The FPDSI database often uses default values such as '-99.99' or '-999' to represent null values.

WDFW Fish Passage and Diversion Screening Inventory Database

Site Description Report

Site ID

Project

☐ Mitigated

Geographic Coordinates

Latitude (WGS 84):	<input type="text" value="47.615447652"/>
Longitude (WGS 84):	<input type="text" value="-122.067921291"/>
East (NAD 83 HARN):	<input type="text" value="1,253,689.3"/>
North (NAD 83 HARN):	<input type="text" value="836,115.4"/>

Waterbody

Stream:	<input type="text" value="George Davis Cr"/>
Tributary To:	<input type="text" value="Lake Sammamish"/>
WRIA:	<input type="text" value="08.0144"/>
River Mile:	<input type="text" value="-999.99"/>
Fish Use Potential:	<input type="text" value="Yes"/>
FUP Criteria:	<input type="text" value="Mapped"/>

General Location

Road Name:	<input type="text" value="E Lake Sammamish Pkw"/>
Mile Post:	<input type="text" value="-999.99"/>
County:	<input type="text" value="King"/>
WDFW Region:	<input type="text" value="4"/>

Owner

Type:	<input type="text" value="City"/>
Name:	<input type="text" value="City of Sammamish"/>

PI Species

<input checked="" type="checkbox"/> Sockeye	<input type="checkbox"/> Chinook	<input checked="" type="checkbox"/> Sea Run Cutthroat
<input type="checkbox"/> Pink	<input checked="" type="checkbox"/> Coho	<input checked="" type="checkbox"/> Resident Trout
<input type="checkbox"/> Chum	<input checked="" type="checkbox"/> Steelhead	<input type="checkbox"/> Bull Trout

Associated Features

<input checked="" type="checkbox"/> Culvert	<input type="checkbox"/> Dam	<input type="checkbox"/> Natural Barrier	<input type="checkbox"/> Diversion
<input type="checkbox"/> Non-Culvert Xing	<input type="checkbox"/> Other	<input type="checkbox"/> Fishway	

Location/Directions

Site Comments

11/21/2021

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WDFW Fish Passage and Diversion Screening Inventory Database

Level A Culvert Assessment Report

Site ID: **920111**
 Latitude: **47.615447652** Stream: **George Davis Cr** WRIA: **08.0144**
 Longitude: **-122.067921291** Tributary To: **Lake Sammamish** Fish Use Potential: **Yes**

Data Source:

Field Crew:

Review Date:

Culvert Details

ID	Shape	Material	Span	Rise	Length	WDIC	Apron	WSDrop	Location	Countersunk	Backwater	Slope (%)	Sediment
1.1	RND	CST	1.52	1.52	22.60	0.14	NO	0.45	Outlet	No	No	8.30	

All dimensions in meters

Channel Description

Toe Width (m):

Average Width (m):

Culvert/Stream Width Ratio:

Plunge Pool

Length (m):

Max Depth (m):

OHW Width (m):

Road

Fill Depth (m):



Assessment Results

Tidal Influence:

Tidegate Present:

Barrier:

Passability (%):

Method:

Reason:

Fishway Present:

Recheck:

Comments

Main culvert is attached to standpipe at US end which has a 0.46m RND CST pipe that outlets into SP w/ divider gate. Divider gate in SP has a WSD of 0.95m that then connects to inlet of measured culvert to outlet w/trashrack.

Potential Habitat Gain

Survey Type:

Spawning (sq m):

Length (m):

Significant Reach:

Rearing (sq m):

PI Total:

11/21/2021

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WDFW Fish Passage and Diversion Screening Inventory Database

Habitat Survey Summary Report

Site ID: **920111**

Latitude: **47.615447652** Longitude: **-122.067921291** WRIA: **08.0144**

Stream: **George Davis Cr** Tributary To: **Lake Sammamish** PI Total: **16.07**

Survey Type

Spreadsheet File(s):

920111.xls, 920017 RHA.xlsx

Downstream Survey

Date: Crew: Length (m):

Downstream Comments:

Downstream flows through an altered channel, reinforced along banks and substrate to reduce erosion. Stream flows through Site 920268 (under E. Lake Sammamish Trail) and Site 920017 (under a home) then empties directly into Lake Sammamish.

Upstream Survey

Date: Crew: Length (m):

Upstream Comments:

Stream flows through forested ravine with multiple seeps and stormwater flow additions. Evidence of several large woody debris restoration projects in stream channel. Available habitat ends downstream of 920113, large spring seep area

Potential Habitat Gain

Lineal (m):

Spawning Area (sq m):

Rearing Area (sq m):

Distribution

- ☒ Anadromous
☐ Resident Only
☐ Unknown

Gain Direction (Resident Only):

Potential Species Benefit

☒ Sockeye / Kokanee

☐ Chinook

☒ Searun Cutthroat

☐ Pink

☒ Coho

☒ Resident Trout

☐ Chum

☒ Steelhead

☐ Bull Trout

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WDFW Fish Passage and Diversion Screening Inventory Database

Barrier Priority Index Report

Site ID: 920111

Stream	George Davis Cr	Trib To	Lake Sammamish	WRIA	08.0144
Habitat (H) Estimation Method			RSFS		

	B	H	M	D	C	Species PI
Kokanee	1	88	1	1	1	4.03
Pink			2		1	0.00
Chum			2		1	0.00
Coho	1	266	2	2	1	2.70
Chinook			2		1	0.00
Steelhead	1	2,608	2	3	1	2.39
Searun Cutthroat	1	2,608	2	1	1	3.73
Resident Trout	1	2,674	1	1	1	3.22
Dolly/Bull Trout					1	0.00
					TOTAL PI	16.07

B = proportion of fish passage improvement (1, 0.67, 0.33).

H = potential habitat gain (square meters), spawning habitat for sockeye, pink and chum, rearing habitat for the rest.

M= mobility modifier (anadromous = 2, resident = 1).

D = stock condition modifier (critical = 3, depressed = 2, not 2 or 3 = 1).

C= repair cost modifier (<\$100K = 3, \$100K - \$500K = 2, >\$500K = 1).

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WDFW Fish Passage and Diversion Screening Inventory Database

Image Report - Active

Site ID: 920111

Latitude: 47.615447652

Longitude: -122.067921291

Stream: George Davis Cr

Tributary To: Lake Sammamish

WRIA: 08.0144

Fish Use Potential: Yes

Associated Features

☒ Culvert

☐ Dam

☐ Natural Barrier

☐ Diversion

☐ Non-Culvert Xing

☐ Other

☐ Fishway



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