



Fish Passage and Diversion Screening Inventory Database Report Cover Sheet

The Washington Department of Fish and Wildlife (WDFW) makes every attempt to keep these reports in sync with the fish passage data presented on the web map; however, the dynamic nature of the data and workflows associated with maintaining the Fish Passage 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: http://dfw.wa.gov/conservation/habitat/fish_passage/.

Disclaimer:

- WDFW makes no guarantee concerning the data's content, accuracy, completeness, or the results obtained from use of the data.
- 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.
- WDFW makes no warranty of fitness for a particular purpose, no representation as to the quality of any data, and assumes no liability for the data represented here.
- The fish and wildlife data may not represent exhaustive inventories, but are compilations of observations from field biologists that are updated periodically as knowledge improves.
- It is important to note that fish passage features, habitats, or species may occur on the ground in areas not currently known to WDFW biologists, or in areas for which comprehensive surveys have not been conducted.
- All data presented here represent a snapshot observation of conditions in a dynamic environment that are subject to change.
- Unauthorized attempts to alter or modify the contents of these reports are strictly prohibited.

Other Notes Regarding Fish Passage Data:

- The Fish Passage and Diversion Screening Inventory (FPDSI) database often uses default values such as '-99.99' or -999 to represent null values.
- EXIF data presented with Image Reports may be erroneous due to camera battery failures and resetting of camera clock functions.
- When conducting projects or planning for fish and wildlife, please consider using additional information gathered from field investigations and consultations with WDFW or other professional biologists.
- Erroneous data may be reported directly to Fish Passage staff through the use of the Washington State Fish Passage web application at: <http://apps.wdfw.wa.gov/fishpassage/>.

Exhibit 3B
WDFW Fish Passage
Inventory - Kitsap Way
Culvert

WDFW Fish Passage and Diversion Screening Inventory Database

Site Description Report

Site ID

Project

Geographic Coordinates

Latitude (WGS 84):	<input type="text" value="47.5698144"/>
Longitude (WGS 84):	<input type="text" value="-122.6858716"/>
East (HARN 83):	<input type="text" value="1,100,841.7"/>
North (HARN 83)	<input type="text" value="823,112.9"/>

Waterbody

Stream:	<input type="text" value="Ostrich Cr"/>
Tributary To:	<input type="text" value="Ostrich Bay"/>
WRIA:	<input type="text" value="15.0226"/>
River Mile:	<input type="text" value="0.46"/>
Fish Use Potential:	<input type="text" value="Yes"/>
FUP Criteria:	<input type="text" value="Physical"/>

General Location

Road Name:	<input type="text" value="Kitsap Way"/>
Mile Post:	<input type="text" value="-999.99"/>
County:	<input type="text" value="Kitsap"/>
WDFW Region:	<input type="text" value="6"/>

Owner

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

PI Species

<input 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 checked="" 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

NB SR 3 take Kitsap Lake exit, MP 38. At terminus of off-ramp to left onto Kitsap Way and go about 0.12 mile to the crossing.

Site Comments

Stream crossing is just NW of junction with Auto Center Way. There is only 1.7 meters between 986508 and this pipe.

Print Date: 2/1/2016

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WDFW Fish Passage and Diversion Screening Inventory Database

Level A Culvert Assessment Report

Site ID: 996509	Stream: Ostrich Cr	WRIA: 15.0226
Latitude: 47.5698144	Tributary To: Ostrich Bay	Fish Use Potential: Yes
Longitude: -122.6858716		

Data Source	WDFW	
Field Crew:	Kunz;Thompson	Review Date: 12/21/2004

Culvert Details						Level A Parameters						
ID	Shape	Material	Span	Rise	Length	WDIC	Apron	WSDrop	Location	Countersunk	Backwater	Slope (%)
1.1	BOX	PCC	1.00	0.95	55.00	0.05	US	0.00		No		2.80

All dimensions in meters

Channel Description	
Toe Width (m):	0.9
Average Width (m):	3.40
Culvert/Stream Width Ratio:	0.29
Plunge Pool	
Length (m):	-999.99
Max Depth (m):	-99.99
OHW Width (m):	-999.99
Road	
Fill Depth (m):	2.00



Assessment Results			
Barrier:	Yes	Passability (%):	0
Reason:	Slope	Fishway Present:	No
		Method:	Level A
		Recheck:	

Comments
DS inside of pipe is over 1/2 full of bedload and appears to get plugged. Unable to see through pipe.

Potential Habitat Gain			
Survey Type:	RSFS	Spawning (sq m):	1,795
Significant Reach:	Yes	Rearing (sq m):	3,348
		Length (m):	2,688
		PI Total	20.00

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WDFW Fish Passage and Diversion Screening Inventory Database

Habitat Survey Summary Report

Site ID: 996509				
Latitude: 47.5698144	Longitude: -122.6858716	WRIA: 15.0226		
Stream: Ostrich Cr	Tributary To: Ostrich Bay	PI Total: 20.00		

Survey Type

Spreadsheet File(s):

Downstream Survey

Date: Crew: Length (m):

Downstream Comments:

WSDOT barrier site 996508 directly downstream. Two other culverts located downstream before confluence with Puget Sound. Good canopy cover. Steep banks with houses on top of left and right banks. Gradient 3%.

Upstream Survey

Date: Crew: Length (m):

Upstream Comments:

Cemetery directly upstream with little canopy and instream cover. Culvert barrier before entering forest cover. Good instream cover, areas of clay substrate. Gradient 2-7% Several barriers on mainstem and tribs. Areas with steep banks.

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

- | | | |
|--|---|--|
| <input type="checkbox"/> Sockeye / Kokanee | <input type="checkbox"/> Chinook | <input checked="" type="checkbox"/> Searun Cutthroat |
| <input type="checkbox"/> Pink | <input checked="" type="checkbox"/> Coho | <input checked="" type="checkbox"/> Resident Trout |
| <input checked="" type="checkbox"/> Chum | <input checked="" type="checkbox"/> Steelhead | <input type="checkbox"/> Bull Trout |

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Barrier Priority Index Report

Site ID: 996509

Stream	<input type="text" value="Ostrich Cr"/>	Trib To	<input type="text" value="Ostrich Bay"/>	WRIA	<input type="text" value="15.0226"/>
Habitat (H) Estimation Method				<input type="text" value="RSFS"/>	

	B	H	M	D	C	Species PI
Sockeye	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="0.00"/>
Pink	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="0.00"/>
Chum	<input type="text" value="1"/>	<input type="text" value="809"/>	<input type="text" value="2"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="6.71"/>
Coho	<input type="text" value="1"/>	<input type="text" value="2,961"/>	<input type="text" value="2"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="4.15"/>
Chinook	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="0.00"/>
Steelhead	<input type="text" value="1"/>	<input type="text" value="2,961"/>	<input type="text" value="2"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="1.88"/>
Searun Cutthroat	<input type="text" value="1"/>	<input type="text" value="2,961"/>	<input type="text" value="2"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="3.85"/>
Resident Trout	<input type="text" value="1"/>	<input type="text" value="3,348"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="3.41"/>
Dolly/Bull Trout	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="0.00"/>
					TOTAL PI	20.00

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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